# WEB APPENDIX

## 9 Additional Details on the Timing of the Earnings Observations and Degree Completion

This section provides additional details on the timing of earnings observations and degree completions in the data. Column 1 of Table A6 panel B reports the unweighted mean and the 10th, 25th, 50th, 75th, and 90th quantiles of the number of years from BA completion for earnings observations that precede graduate school enrollment for men. The 10th, 50th, and 90th quantiles are 1 (the minimum), 5, and 12. More than 90% of pre-graduate school earnings observations occur between 1 and 5 years before completion of the advanced degree (column 2). Column 3 reports that the 10th, 50th, and 90th quantiles of time from advanced degree completion to post advanced degree earnings observations, which are 2, 11, and 26.[42] Thus, we have good coverage of the post graduate degree period. Finally, column 4 presents time from BA to advanced degree completion for those who obtained a graduate degree. This column does not condition on the availability of a pre-graduate degree earnings observation. The 10th, median and 90th quantiles are 2, 5, and 12. The values for women in panel C are very similar, except that the distribution of time since advanced degree is higher for men by 2.4 years on average (column 3).

Appendix Table A7 panels B and C present the unweighted age distribution of the earnings observations for men and for women. The first column refers to the full sample. For men, the 10th, 50th and 90th quantiles are 27, 39, and 54 (panel B). The 10th, median and 90th quantiles of the age distribution of the 5,450 pre-graduate degree observations of men with a graduate degree by the last interview are 24, 28, and 37 (column 3). The mean is 29.4. These individuals are younger and have a more condensed distribution than those who only have a BA when last observed (column 2). The fourth column reports the age distribution of the post advanced degree earnings observations. The 10th, 50th, and 90th percentiles are 28, 40, and 54. The values for women are similar, although they are about two years younger.

## 10 Additional Results by Graduate Degree

#### MA in Health Services Administration, and Public Administration

We next consider two other management and administration related degrees. In the case of health services administration, the FEcg and OLS estimates of $\gamma_g$ for a master's in health administration are similar and large: 0.283 (0.088) and 0.304 (0.027). For men, the FEcg estimate is 0.232 (0.112) while the OLS value is 0.283 (0.042), which is close to the value for women. When we allow the returns to vary with experience, the returns grow over the first 15 years before leveling out (see Figure A2 (g)-(j)).

For women, the FEcg estimates of the wage and hours effects indicate that wages account for almost the entire increase in earnings. The OLS estimates suggest that the wage effect is about 5.5 times as large as the hours effect. Overall, the evidence suggests hours plays only a modest role in the earnings effect. Occupational changes play a larger role, with the occupational premium accounting for around 25 percent of the log earnings gain for women and 40% for men in the FEcg specification, with slightly higher estimates for OLS.

[42] Column 5 shows that the number of post-advanced degree earnings observations for individuals with both pre and post advanced degree observations is only 5,310 for men and 4,040 for women. This is a key reason why we do not present FE estimates.

Next, we consider public administration. For women, the FEcg and OLS estimates of $\gamma_g$ for public administration are 0.176 (0.060) and 0.242 (0.031). For men, the corresponding estimates are 0.218 (0.069) and 0.137 (0.027). Given sampling error, we view the results for public administration and health services administration to be broadly similar, though the point estimates for health services administration are somewhat larger. The occupation returns are also similar, with the exception that the FEcg occupational premium for women is -0.001 (0.055). Both the FEcg and OLS estimates of the effects of public administration on the wage rate are close to the estimates of the effect on earnings, with little of the effect coming from changes in hours.[43]

**Biology/Agriculture/Environmental Sciences and Physical Sciences**

For women, the FEcg and OLS estimates of $\gamma_g$ for master's degrees in biology, agricultural, environmental and life sciences are 0.198 (.068) and 0.074 (0.014). The gap between the FEcg and OLS estimates is even larger for $\gamma_{x1-28}$: 0.276 (0.068) versus 0.121 (0.016). These differences are even larger for men, where the FEcg and OLS estimates of $\gamma_g$ are 0.274 (0.064) and -0.049 (0.017), and the estimates of $\gamma_{x1-28}$ are 0.348 (0.065) and -0.021 (0.018). Almost all of the return is coming from increased wage rates, with small and largely statistically insignificant estimates on log hour and log occupational premium for both women and men.

The physical sciences also have a large gap between the FEcg and OLS estimates, especially for men. The FEcg and OLS estimates are 0.156 (0.071) and 0.118 (0.025) for women, and 0.268 (0.062) and 0.049 (0.017) for men. The $\gamma_{g1-28}$ estimates are 0.03 to 0.09 larger and, as shown in Figure A2 (e) and (f), the returns are initially small, but grow rapidly with the first 14 years of experience, and then level off. For both the biology, agricultural, and environmental life sciences degree and the physical sciences degree, there are only small and largely statistically insignificant effects on both log hours and on occupational premiums.

**Other Business Related Fields**

The business-related master's degree category consists of financial management (54.1%), business marketing and business management (19.0%) and accounting (18.5%), with smaller shares for agricultural economics, marketing research, other agricultural business and production, and actuarial science (not reported).[44] Similar to the results for MBAs, we find that OLS estimates are systematically higher than the FEcg estimates. We also find that the estimates for other business related fields are somewhat larger than those for MBAs.

The return to a business-related master's degree are reported in Row 3 of Table 2. For women, the FEcg and OLS estimates are 0.273 (0.066) and 0.371 (0.022), and for men they are 0.210 (0.051) and 0.335 (0.013), which are 0.06 to 0.10 larger than the values for an MBA. For both women and men, the FEcg estimates of $\gamma_{gx}$ rise steadily over the first 20 years after graduate school and then level off. The OLS estimates follow the same pattern (Figures A2 (k) and A2 (l)). The FEcg estimates of $\gamma_g^{occ}$ suggest that only a small part of the return operates through the occupational premium. As is the case with an MBA, the OLS estimates of $\gamma_g^{occ}$ are much higher, especially for women (0.138 (0.008)). For women, the FEcg estimates of the occupational premium rise from 0.005 (0.025) to 0.073 (0.050) after 28 years of post graduate school experience. The OLS

[43] For men the OLS estimate of the wage effect is 0.146 (0.023), slightly above the earnings effect estimate. The FEcg estimate of the wage effect is 0.313 (0.083), which is well above the earnings effect (0.218). Given that the hours effect estimates are near 0, we attribute the difference to sampling error, and again point out that the earnings estimates make use of data on both current earnings and annual earnings for the prior year, while observations for the prior year are not available for the other outcomes.

[44] See Online Appendix Tables A1 and A3 for the breakdown by gender.

estimates follow the same pattern, but the base is elevated by about 0.12. The profiles of $\gamma_{gx}^{occ}$ for men are similar.

### Other Science/Engineering Related Fields

We also present estimates for the "Other Science/Engineering Related Fields" category. It is dominated by architecture and environmental design (70.5%), though it also contains electrical and electronic technologies, engineering technologies, and industrial production technologies. For women, the FEcg estimate of$\gamma_g$ is only 0.051 (0.092) but is very noisy. The estimate of $\gamma_{g1-28}$ is 0.131 (0.094). The corresponding FEcg estimates for men are near zero, with the standard error of about 0.049. The OLS estimate of $\gamma_g$ is 0.137 (0.038) for women and 0.077 (0.021) for men. When we allow returns to vary with experience, we find relatively steep slopes for both men and women, with initial returns near zero for women and negative for men. Overall, the estimated return to other science and engineering related fields is modest. It ranks below high earnings degrees, such as law, business, or medicine, as well as degrees in the middle of the earnings distribution, such as public administration, social science, or education.

### Not Science or Engineering Related

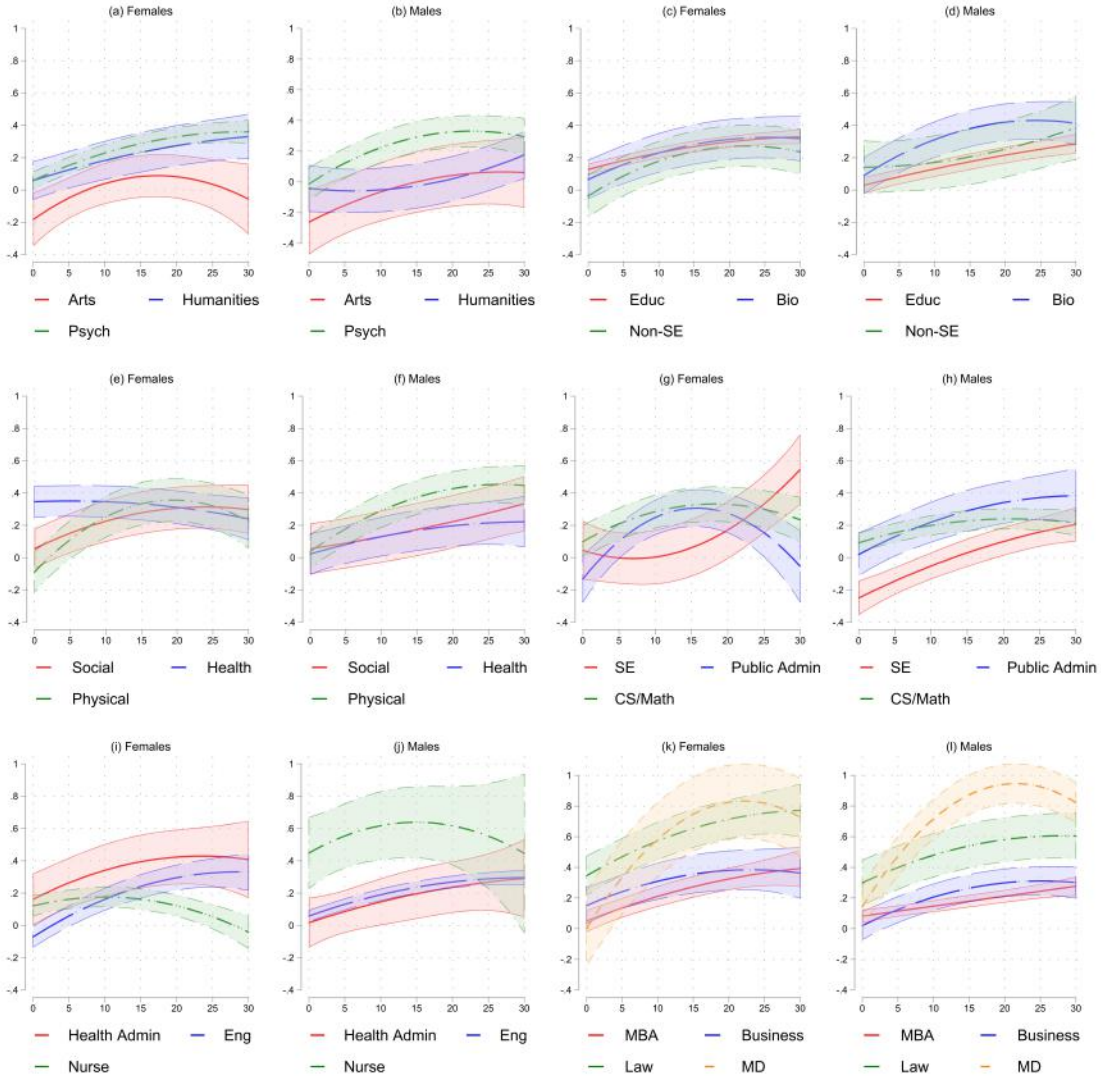
The "Not science or engineering related" group consists of communications (12.0%), library science (36.5%), criminal justice/protective services (16.5%), and journalism (9.4%). The results are qualitatively similar to the results for psychology and social work. The FEcg estimate is well above the OLS estimate, especially for men, though the standard errors on the FEcg estimate are large for this degree, especially for men.

### Social Sciences

The FEcg estimate for a social science master's (excluding psychology) is 0.168 (0.071) for women and 0.135 (0.091) for men. The corresponding OLS estimates are 0.161 (0.015) and 0.084 (0.019) respectively. The $\gamma_{g1-28}$ estimates are similar though somewhat larger for both men and women. The estimates of $\gamma_{gx}$ increase with years since graduate school from a low base, with the convex shape for men and a concave shape for women. The FEcg estimates suggest that occupation contributes about 0.05 to the earnings effect, although the estimates are noisy.

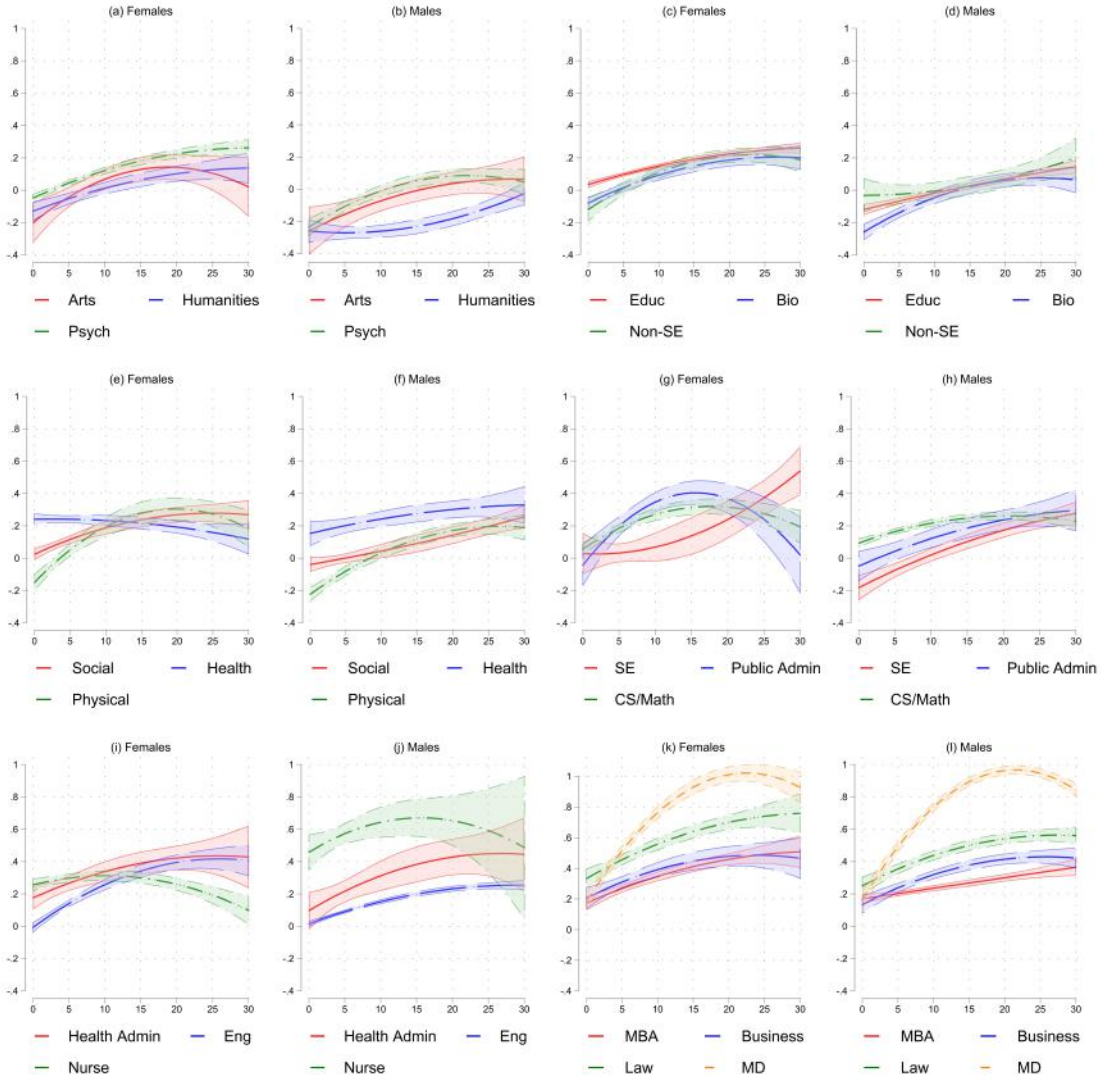
# 11 Additional Figures

Figure A1: FEcg Estimates of experience-specific returns to log earnings for graduates degrees.



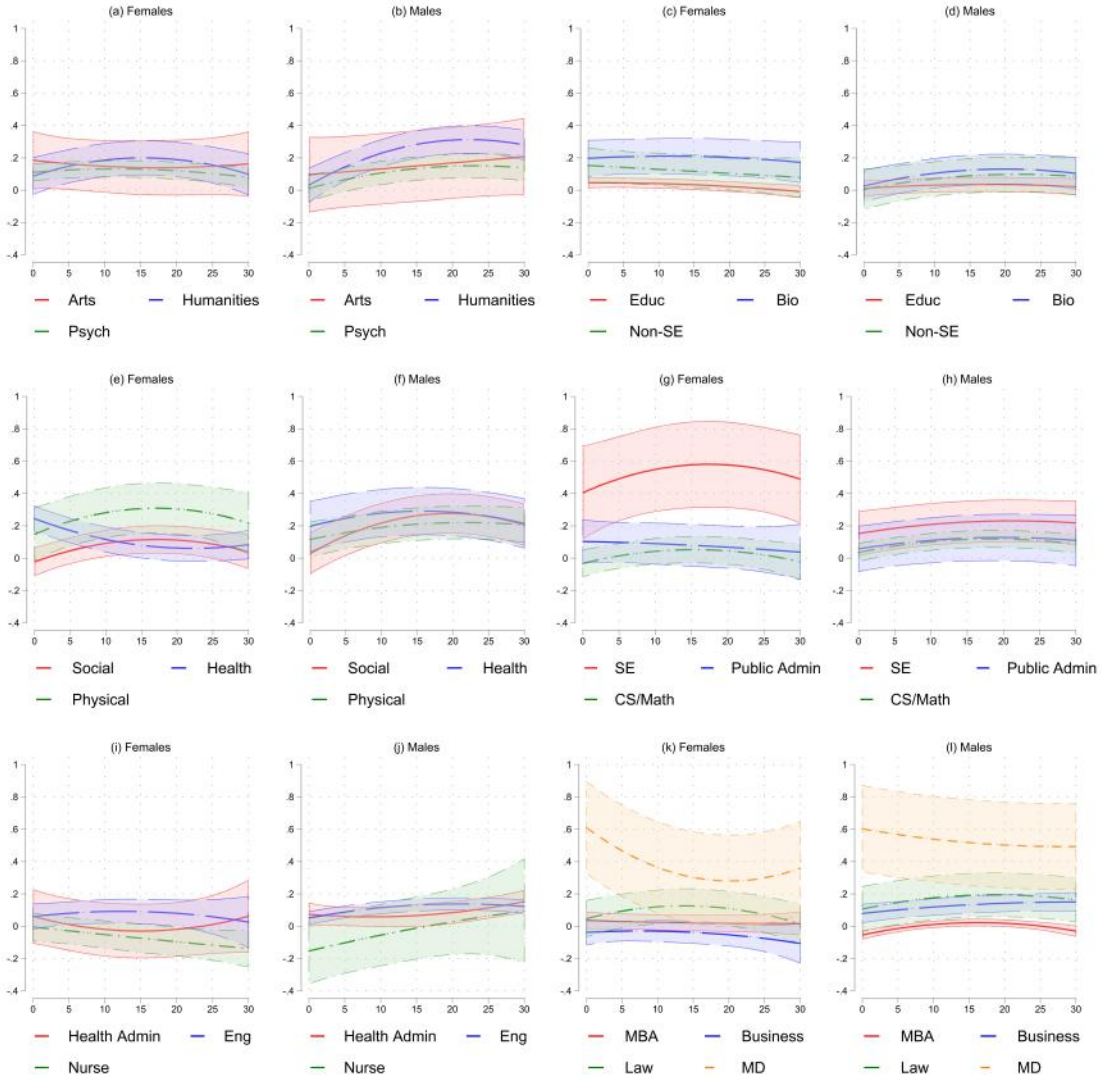

Notes: The figure reports the experience-specific FEcg returns to log earnings for each graduate degree for males and females. Sample weights are used. Standard errors are clustered by person. The regressions include dummies for each BA field (OLS only) and each advanced degree, as well as race/Hispanic, parental education, the year, a cubic in age, and interactions between a cubic in age and BA field. Estimates are based on equation (4). Each sub-panel shows estimates for three to four graduate degrees for either men or women. The confidence bands show 90 percent confidence intervals.

Figure A2: OLS Estimates of experience-specific returns to log earnings for graduates degrees.



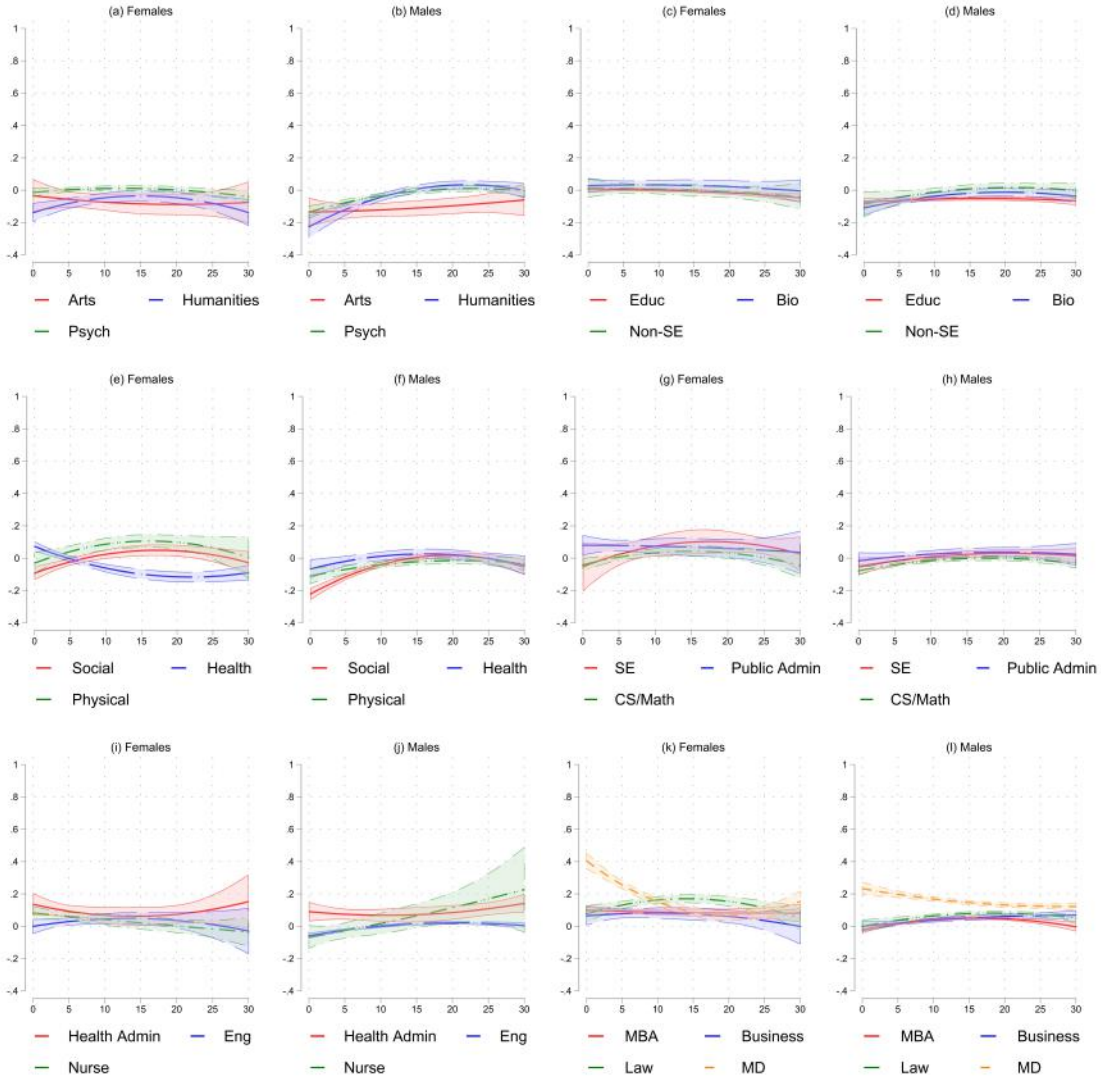

Notes: The figure reports the experience-specific OLS returns to log earnings for each graduate degree for males and females. Sample weights are used. Standard errors are clustered by person. The regressions include dummies for each BA field (OLS only) and each advanced degree, as well as race/Hispanic, parental education, the year, a cubic in age, and interactions between a cubic in age and BA field. . Estimates are based on equation (4) with degree combination fixed effects excluded. Each sub-panel shows estimates for three to four graduate degrees for either men or women. The confidence bands show 90 percent confidence intervals.

Figure A3: FEcg Estimates of experience-specific returns to log hours for graduates degrees.



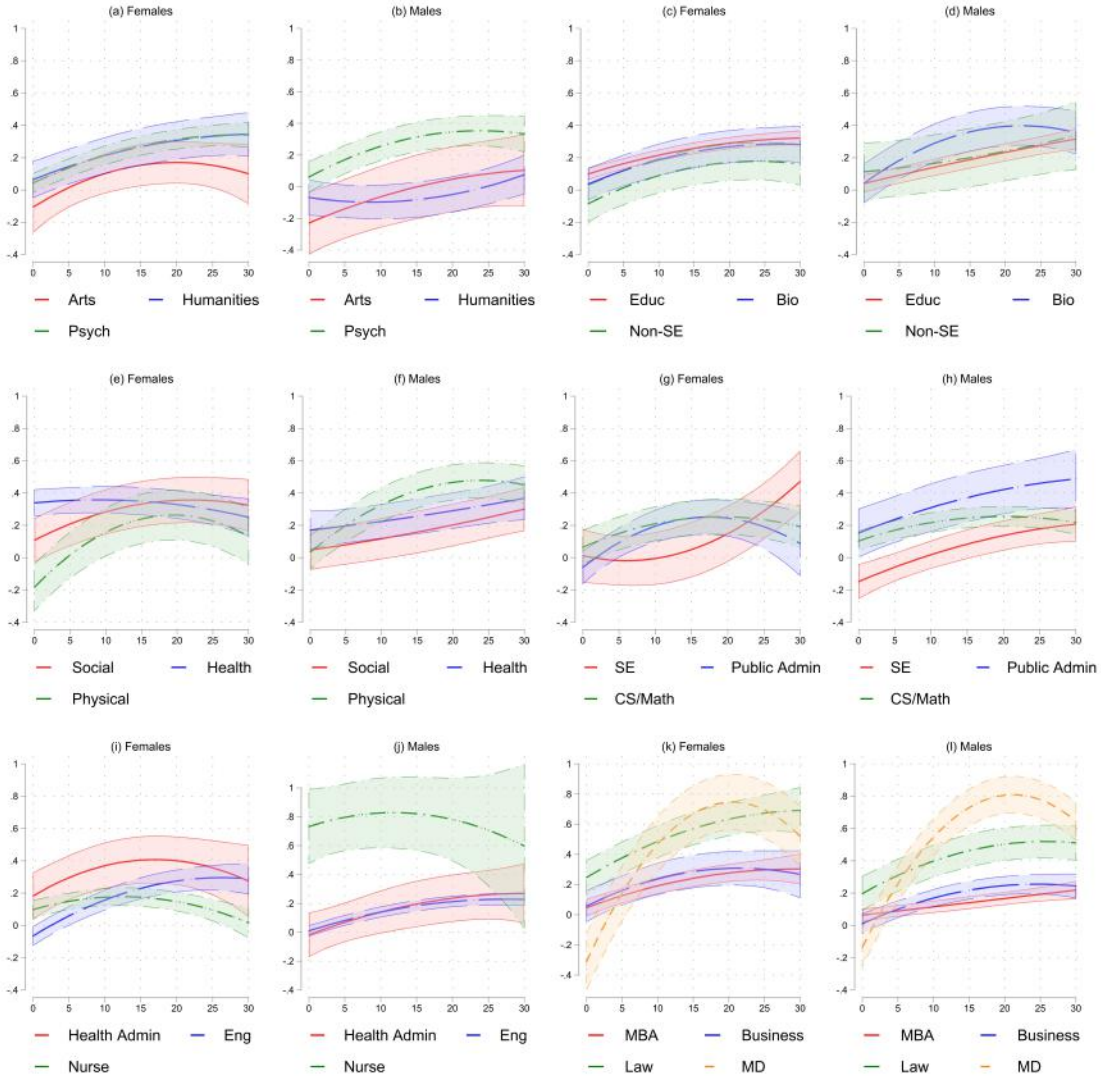

Notes: The figure reports the experience-specific FEcg returns to log hour for each graduate degree for males and females. Sample weights are used. Standard errors are clustered by person. The regressions include dummies for each BA field (OLS only) and each advanced degree, as well as race/Hispanic, parental education, the year, a cubic in age, and interactions between a cubic in age and BA field. Estimates are based on equation (4) with degree combination fixed effects excluded. Each sub-panel shows estimates for three to four graduate degrees for either men or women. The confidence bands show 90 percent confidence intervals.

Figure A4: OLS Estimates of experience-specific returns to log hours for graduates degrees.



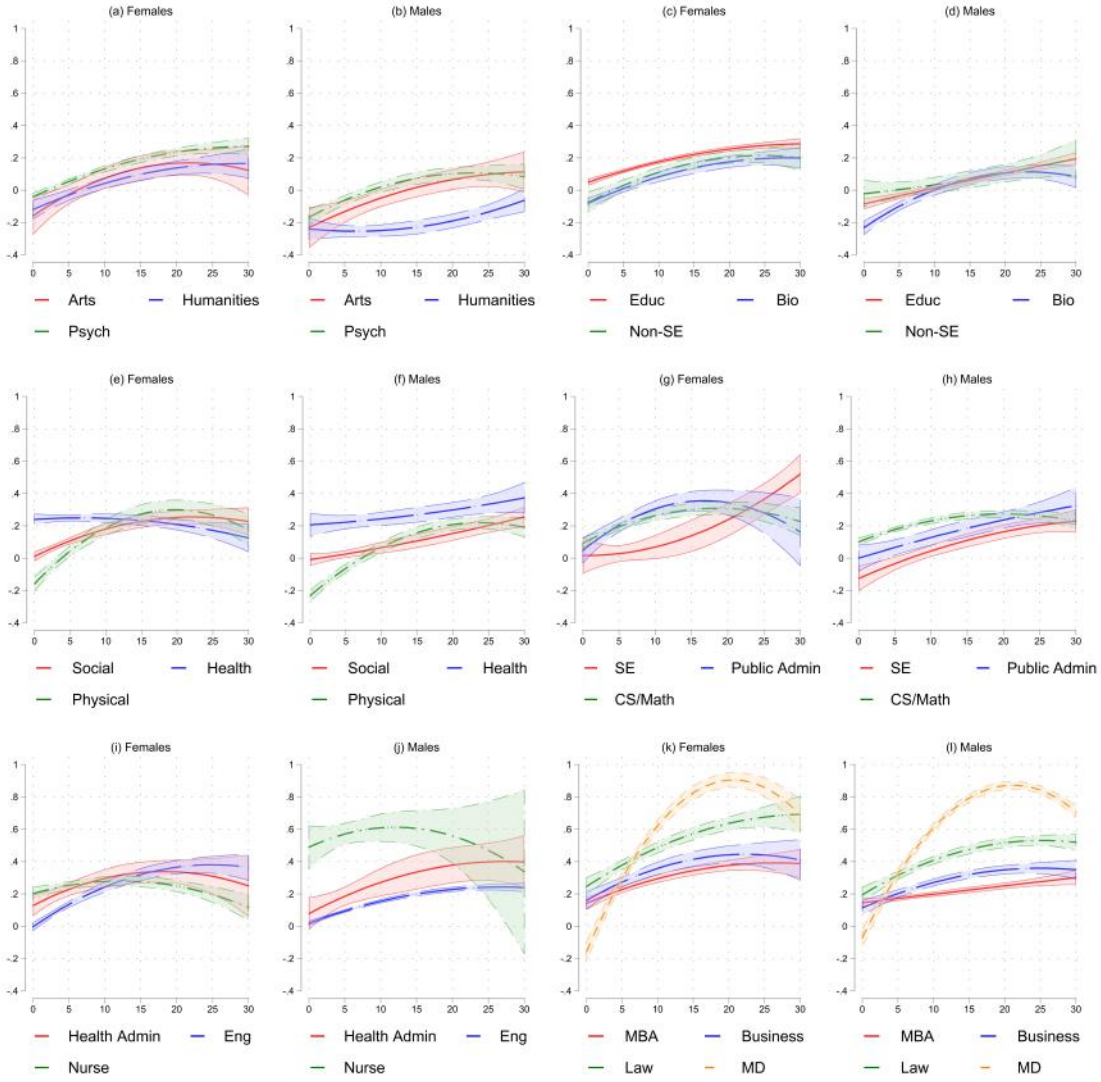

Notes: The figure reports the experience-specific OLS returns to log hour for each graduate degree for males and females. Sample weights are used. Standard errors are clustered by person. The regressions include dummies for each BA field (OLS only) and each advanced degree, as well as race/Hispanic, parental education, the year, a cubic in age, and interactions between a cubic in age and BA field. Estimates are based on equation (4) with degree combination fixed effects excluded. Each sub-panel shows estimates for three to four graduate degrees for either men or women. The confidence bands show 90 percent confidence intervals.

Figure A5: FEcg Estimates of experience-specific returns to hourly wage for graduates degrees.



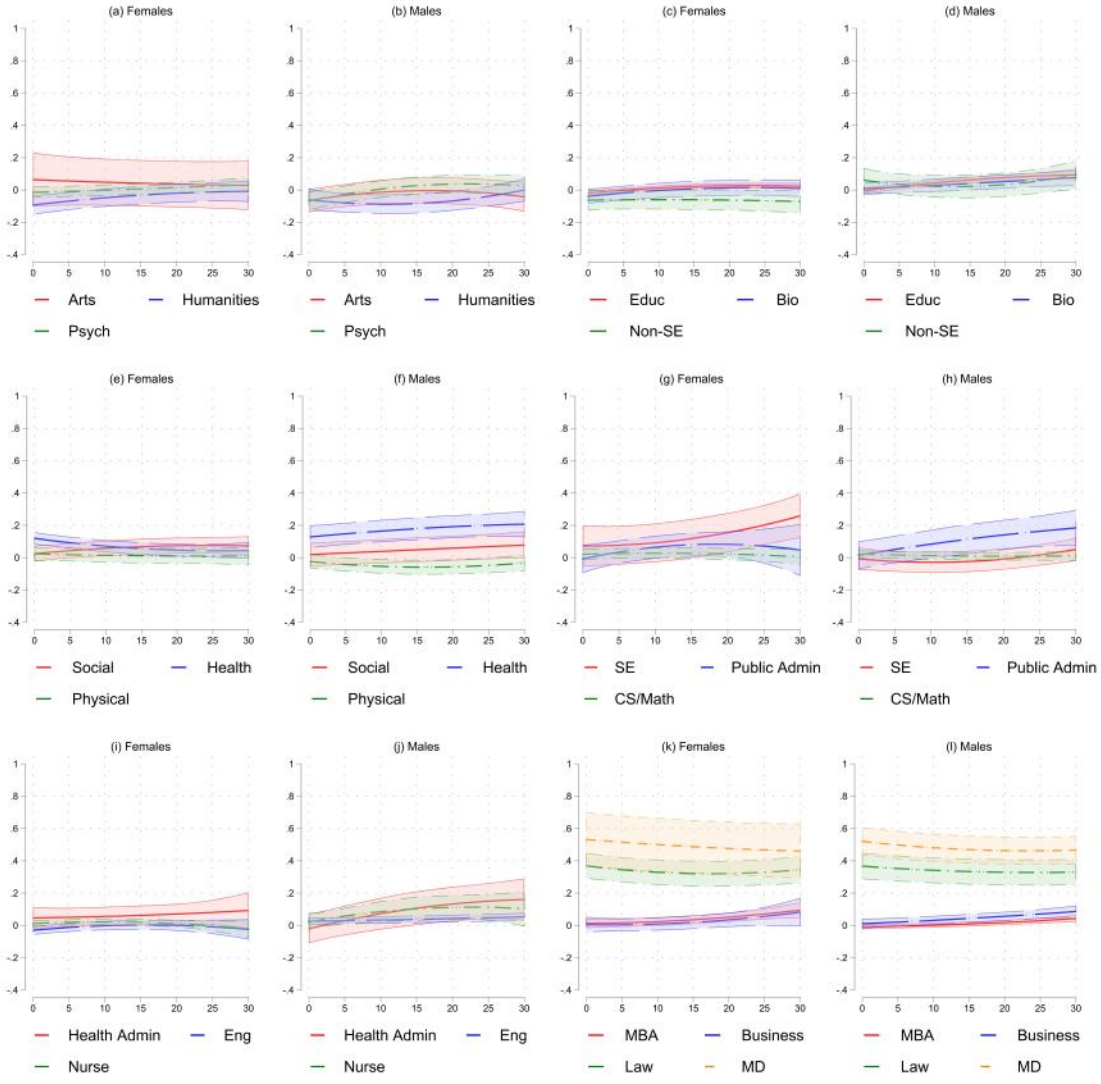

Notes: The figure reports the experience-specific FEcg returns to log hourly wage for each graduate degree for males and females. Sample weights are used. Standard errors are clustered by person. The regressions include dummies for each BA field (OLS only) and each advanced degree, as well as race/Hispanic, parental education, the year, a cubic in age, and interactions between a cubic in age and BA field. Estimates are based on equation (4). Each sub-panel shows estimates for three to four graduate degrees for either men or women. The confidence bands show 90 percent confidence intervals.

Figure A6: OLS Estimates of experience-specific returns to log hourly wage for graduates degrees.



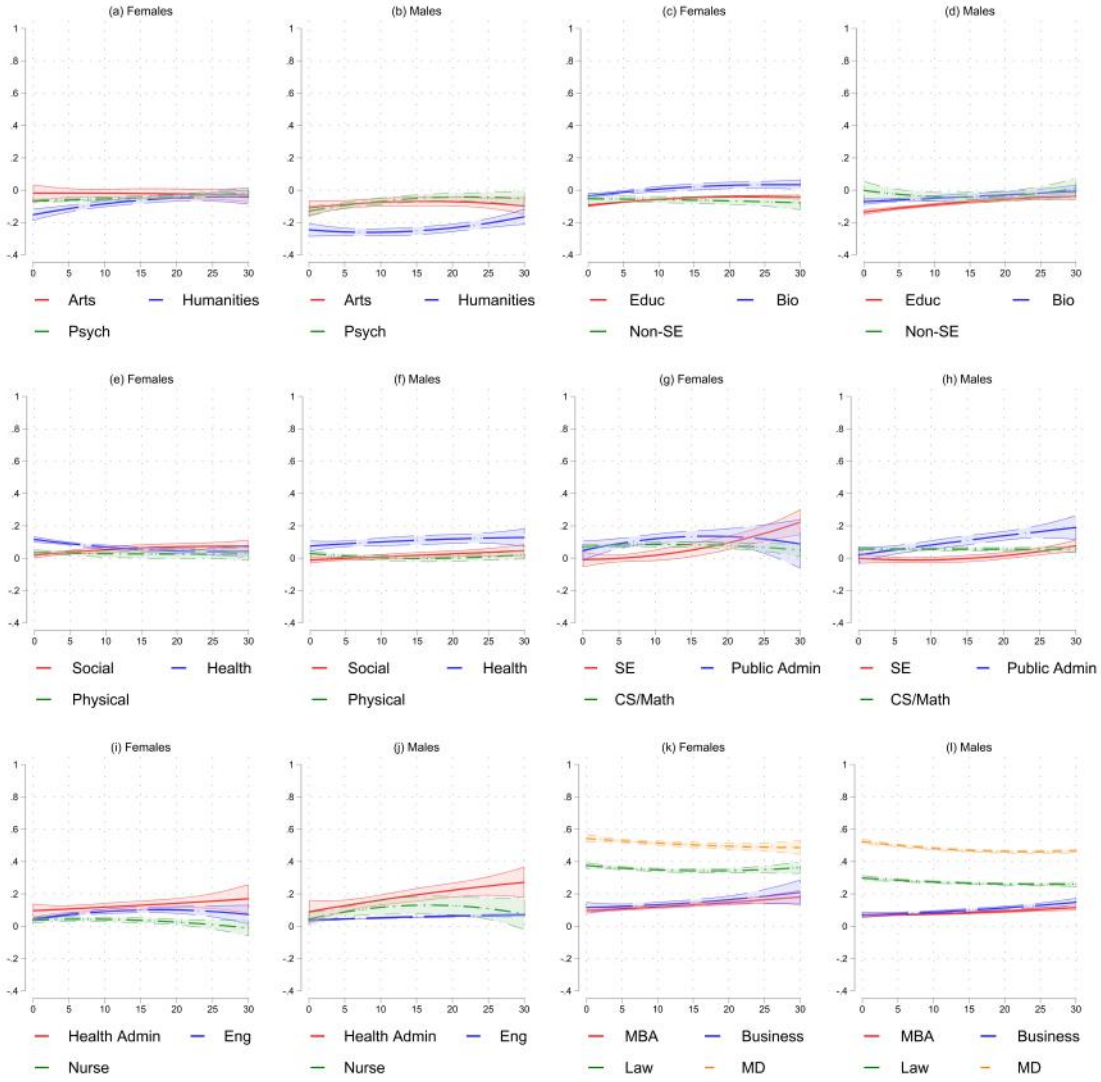

Notes: The figure reports the experience-specific OLS returns to log hourly wage for each graduate degree for males and females. Sample weights are used. Standard errors are clustered by person. The regressions include dummies for each BA field (OLS only) and each advanced degree, as well as race/Hispanic, parental education, the year, a cubic in age, and interactions between a cubic in age and BA field. Estimates are based on equation (4) with degree combination fixed effects excluded. Each sub-panel shows estimates for three to four graduate degrees for either men or women. The confidence bands show 90 percent confidence intervals.

Figure A7: FEcg Estimates of experience-specific returns to occupation premium for graduates degrees.



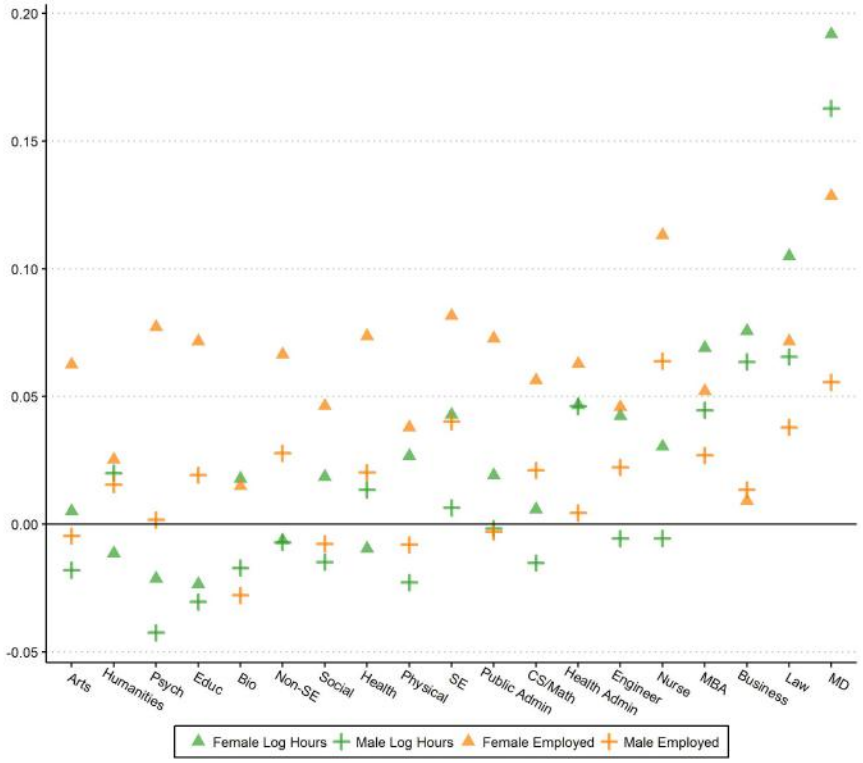

Notes: The figure reports the experience-specific FEcg returns to occupation premium for each graduate degree for males and females. Sample weights are used. Standard errors are clustered by person. The regressions include dummies for each BA field (OLS only) and each advanced degree, as well as race/Hispanic, parental education, the year, a cubic in age, and interactions between a cubic in age and BA field. Estimates are based on equation (4). Each sub-panel shows estimates for three to four graduate degrees for either men or women. The confidence bands show 90 percent confidence intervals.

Figure A8: OLS Estimates of experience-specific returns to occupation premium for graduates degrees.




The figure reports the experience-specific OLS returns to occupation premium for each graduate degree for males and females. Sample weights are used. Standard errors are clustered by person. The regressions include dummies for each BA field (OLS only) and each advanced degree, as well as race/Hispanic, parental education, the year, a cubic in age, and interactions between a cubic in age and BA field. Estimates are based on equation (4) with degree combination fixed effects excluded. Each sub-panel shows estimates for three to four graduate degrees for either men or women. The confidence bands show 90 percent confidence intervals.

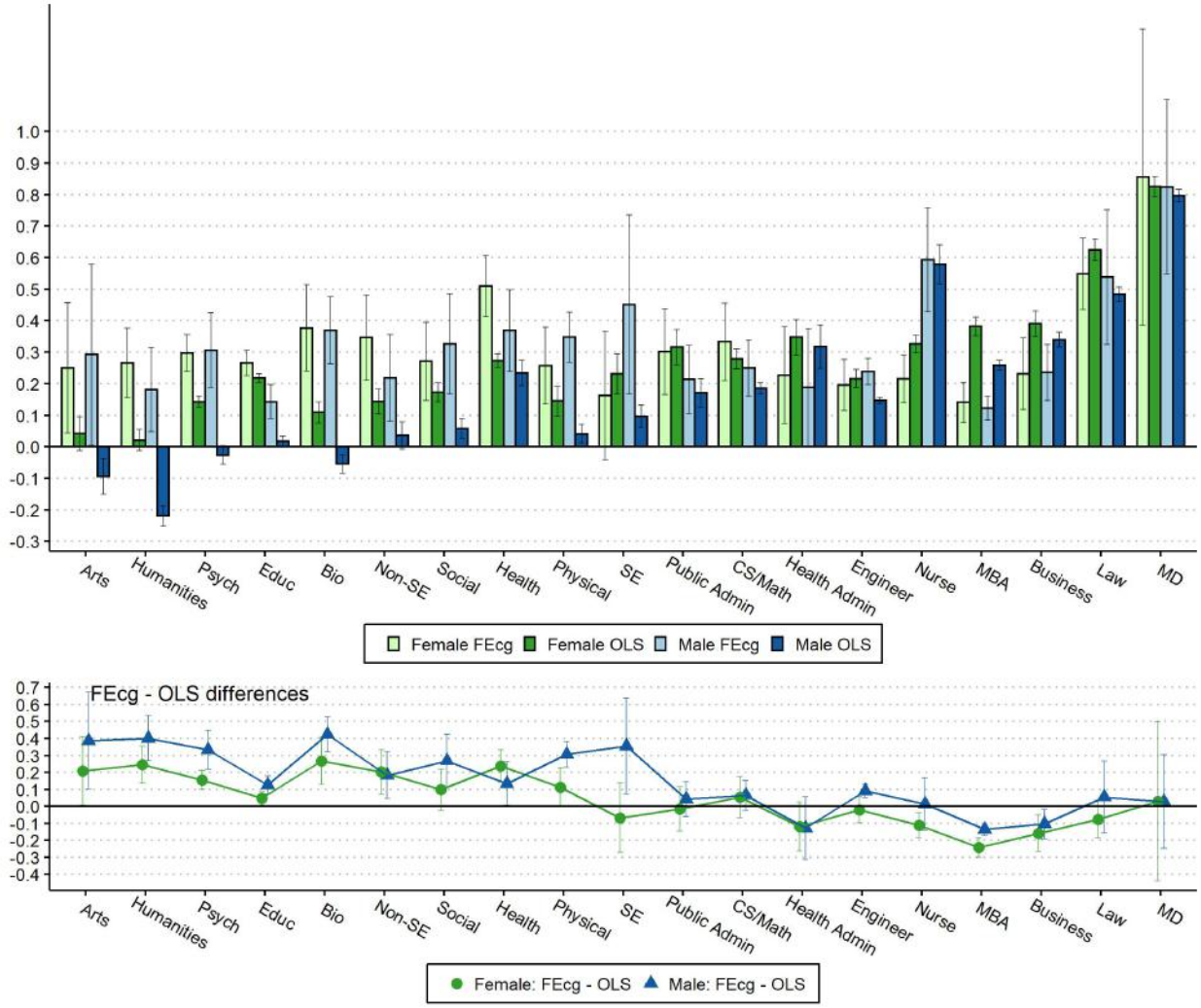
Figure A9: Average log hours and employment probabilities by graduate field




Notes: The figure shows the average difference in various outcomes between graduate degree holders and college graduates for 19 different graduate degrees. The orange triangles and crosses show the average difference in employment for females and males. The green triangles and crosses show the average difference in log hours worked for full-time females and males.

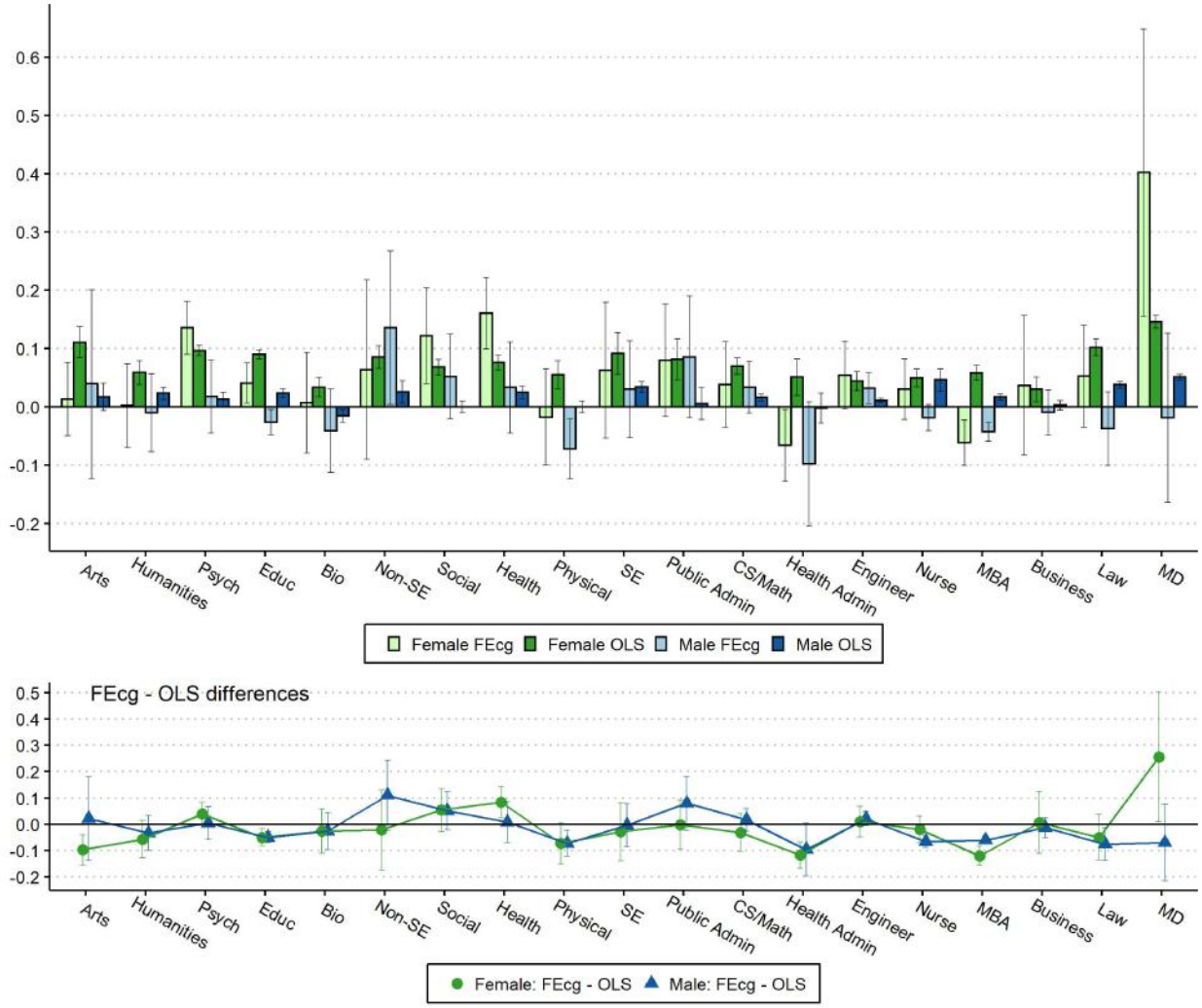
A10

Figure A10: The effects of graduate degrees on log earnings, all workers



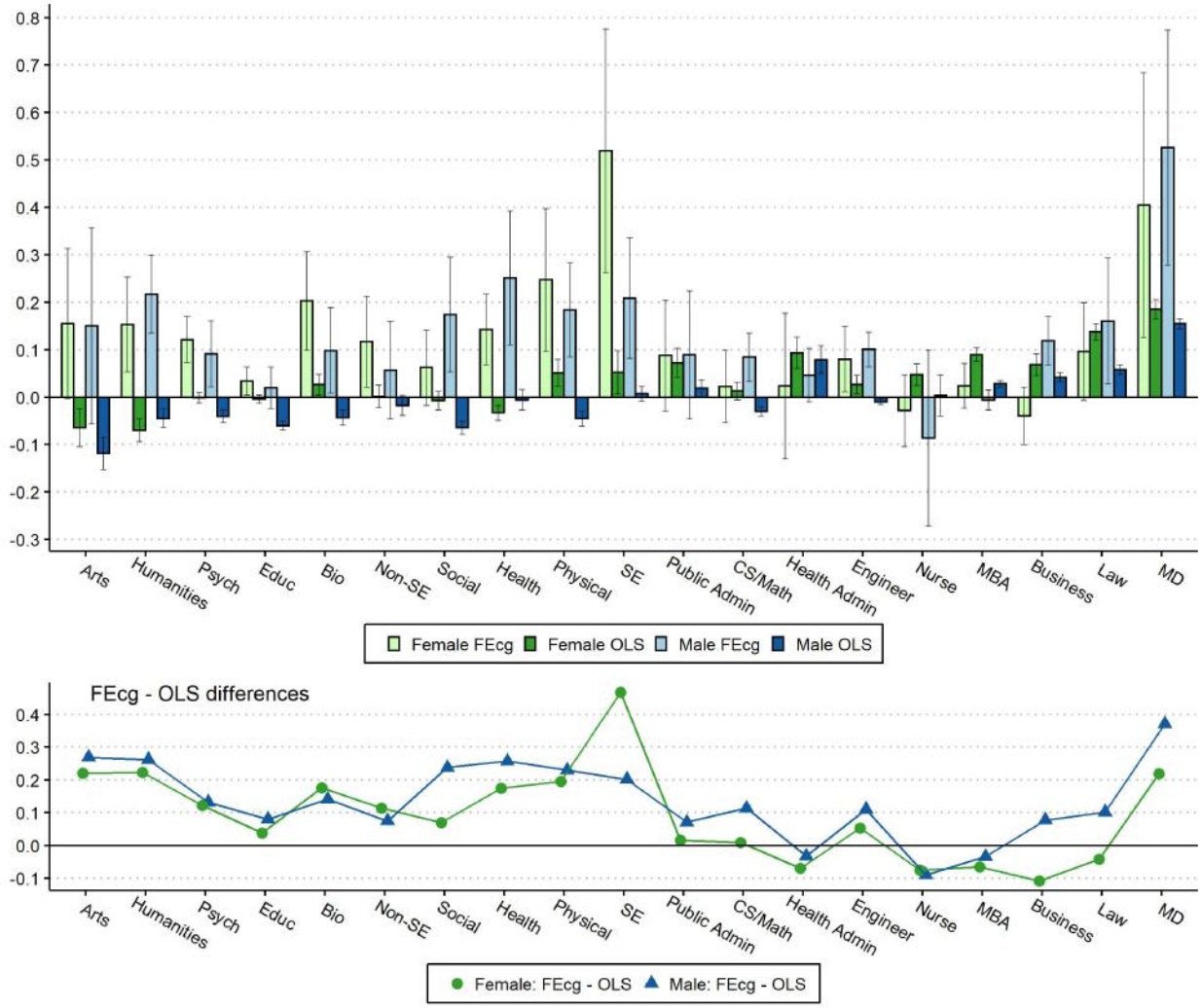

Notes: The figure shows OLS and FEcg estimates of the effects of 19 graduate degrees on log earnings, not restricted to full-time workers. The top panel shows the point estimates with light green showing FEcg estimates for females, green showing OLS estimates for females, light blue showing FEcg estimates for males, and blue showing OLS estimates for males. The bottom panel shows the difference between the FEcg and OLS estimates for females (green) and males (blue). Error bars show 90 percent confidence intervals. The regressions include dummies for BA field and each advanced degree, race, Hispanic origin, parental education, calendar year, a cubic in age, and an interaction between a cubic in age and BA field.

Figure A11: Effects of graduate degrees on Employment



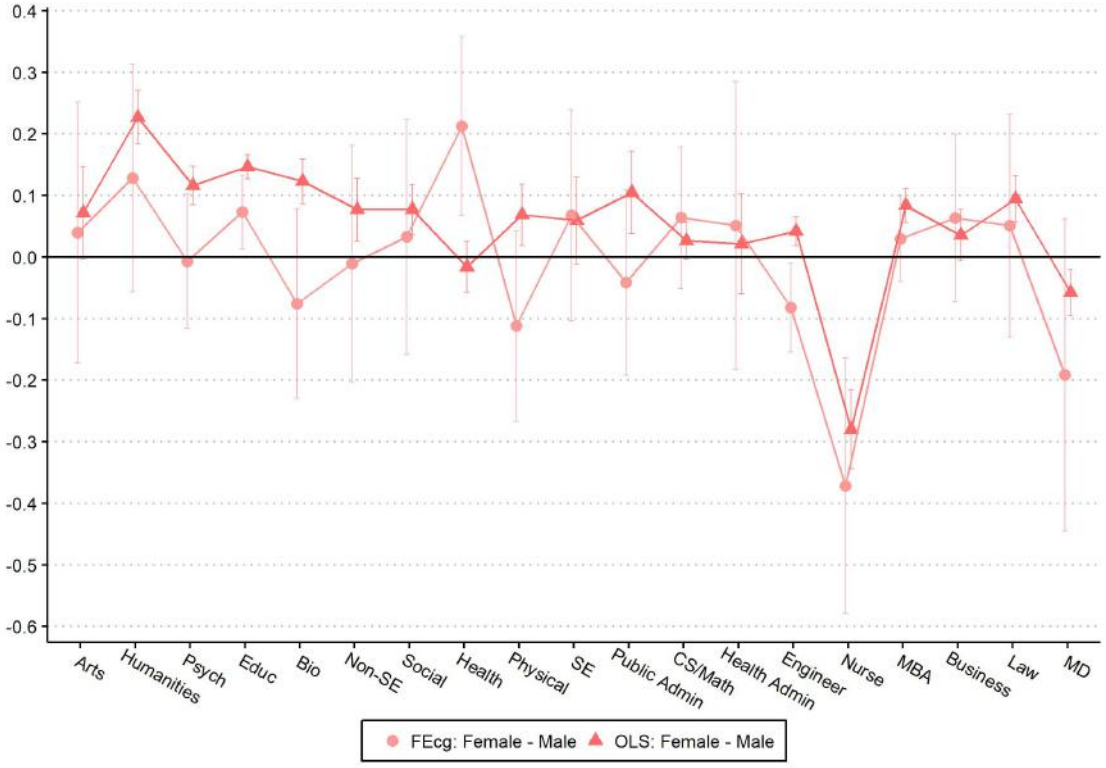

Notes: The figure shows OLS and FEcg estimates of the effects of 19 graduate degrees on employment. The top panel shows the point estimates with light green showing FEcg estimates for females, green showing OLS estimates for females, light blue showing FEcg estimates for males, and blue showing OLS estimates for males. The bottom panel shows the difference between the FEcg and OLS estimates for females (green) and males (blue). Sample weights are used. Error bars show 90 percent confidence intervals. The regressions include dummies for BA field and each advanced degree, race, Hispanic origin, parental education, calendar year, a cubic in age, and an interaction between a cubic in age and BA field.

Figure A12: Returns to graduate degrees on Log Hours, all workers



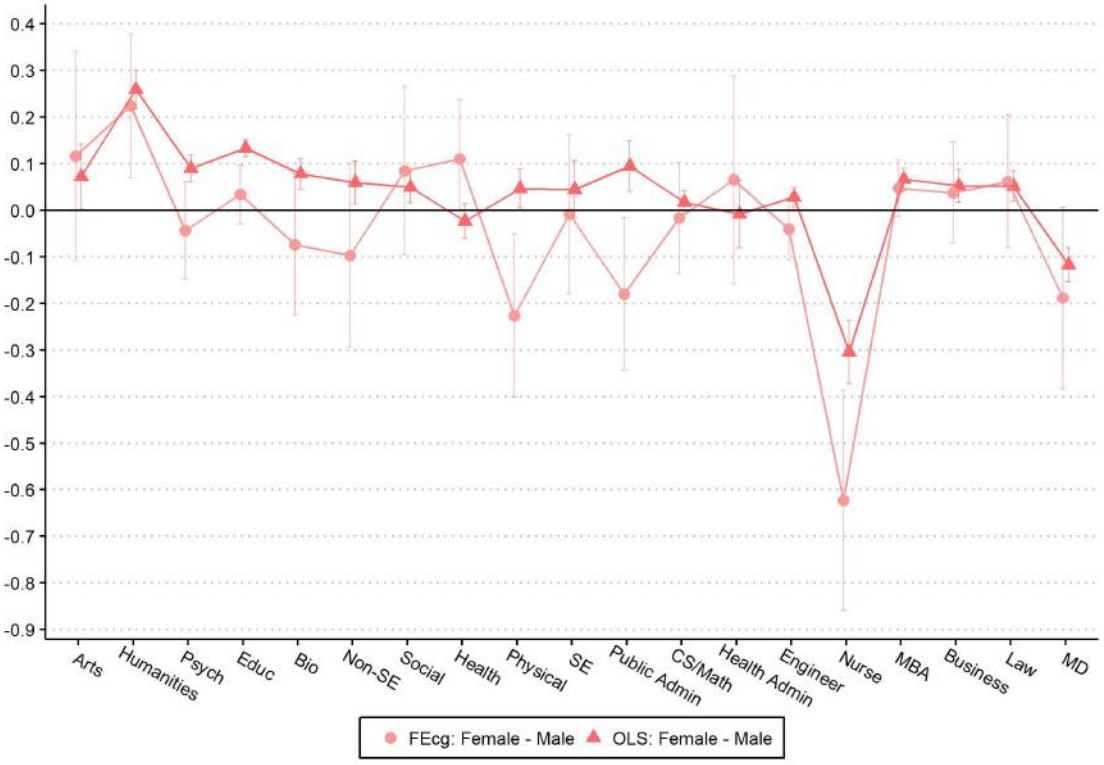

Notes: The figure shows OLS and FEcg estimates of the 19 graduate degrees for log hours worked, not restricted to full-time workers. The top panel shows the point estimates with light green showing FEcg estimates for females, green showing OLS estimates for females, light blue showing FEcg estimates for males, and blue showing OLS estimates for males. The bottom panel shows the difference between the FEcg and OLS estimates for females (green) and males (blue). Error bars show 90 percent confidence intervals. Sample weights are used. The regressions include dummies for BA field and each advanced degree, race, Hispanic origin, parental education, calendar year, a cubic in age, and an interaction between a cubic in age and BA field.

Figure A13: Female-male difference in returns to graduate degrees on Log Earnings (full-time)



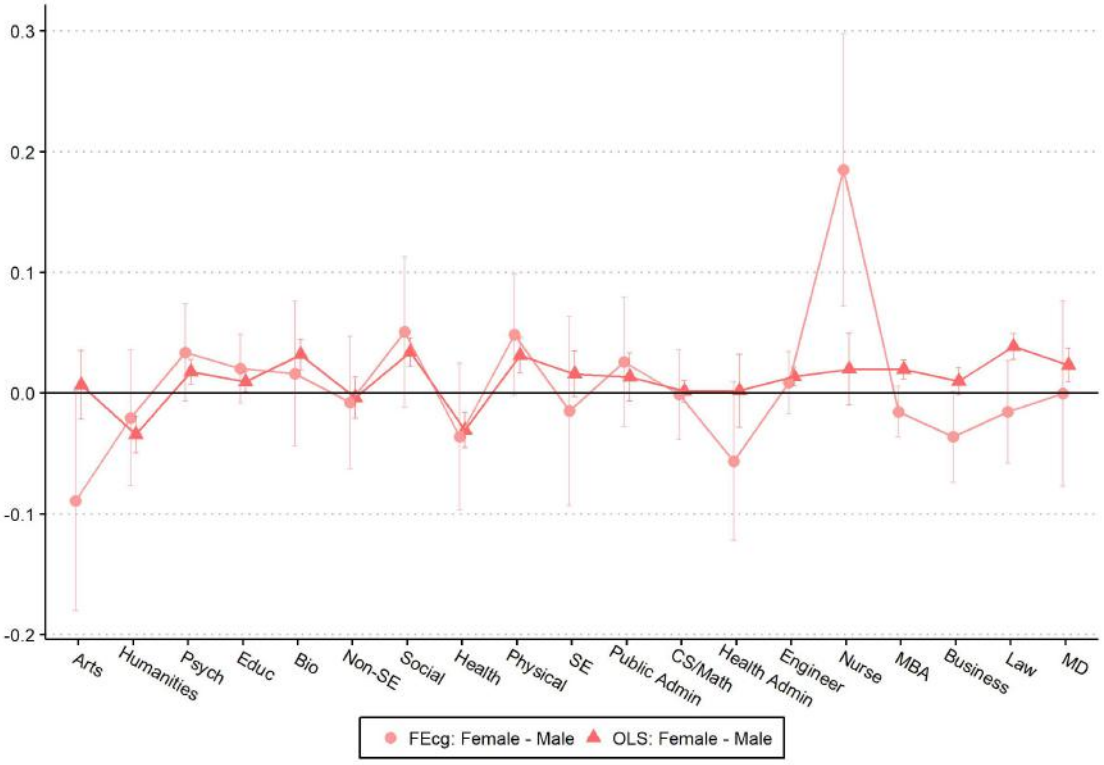

Notes: The figure shows the female-male difference in OLS and FEcg estimates of the 19 graduate degrees for log earnings of full-time workers. The light red lines with circles show the difference in the FEcg estimates and the red lines with triangles show the difference in the OLS estimates. Error bars show 90 percent confidence intervals. Sample weights are used. The regressions include dummies for BA field and each advanced degree, race, Hispanic origin, parental education, calendar year, a cubic in age, and an interaction between a cubic in age and BA field.

Figure A14: Female-male difference in returns to graduate degrees on Log Hourly Wage (full-time)



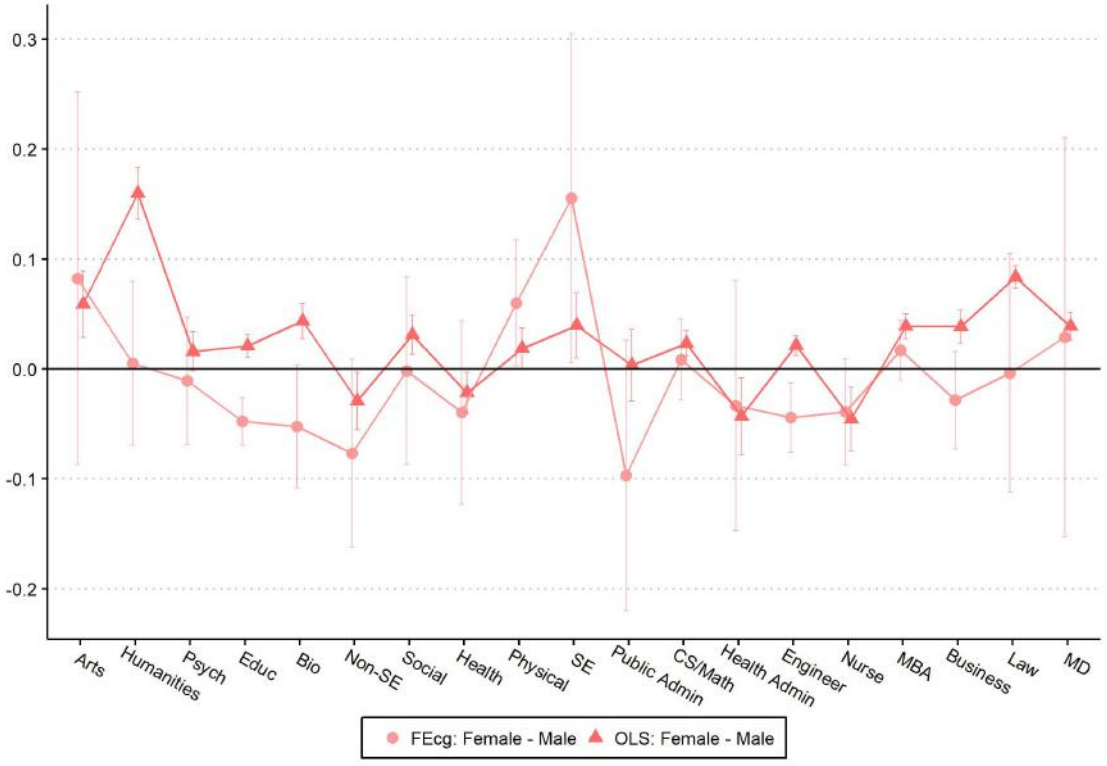

Notes: The figure shows the female-male difference in OLS and FEcg estimates of the 19 graduate degrees for log hourly wage. The light red lines with circles show the difference in the FEcg estimates and the red lines with triangles show the difference in the OLS estimates. Error bars show 90 percent confidence intervals. Sample weights are used. The regressions include dummies for BA field and each advanced degree, race, Hispanic origin, parental education, calendar year, a cubic in age, and an interaction between a cubic in age and BA field.

Figure A15: Female-male difference in returns to graduate degrees on Log Hours (full-time)



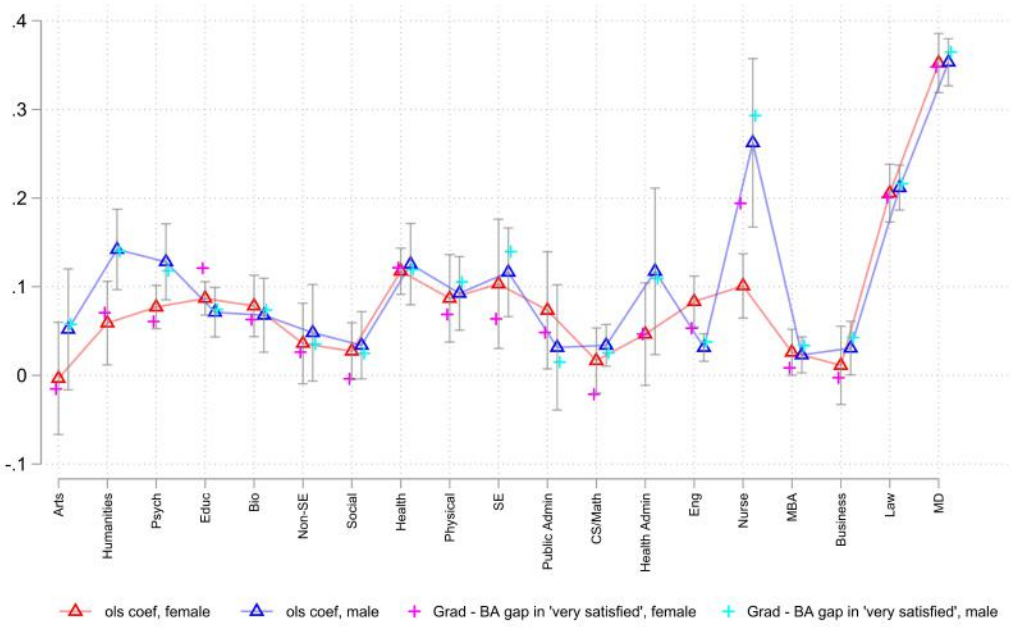

Notes: The figure shows the female-male difference in OLS and FEcg estimates of the 19 graduate degrees for log hours of full-time workers. The light red lines with circles show the difference in the FEcg estimates and the red lines with triangles show the difference in the OLS estimates. Error bars show 90 percent confidence intervals. Sample weights are used. The regressions include dummies for BA field and each advanced degree, race, Hispanic origin, parental education, calendar year, a cubic in age, and an interaction between a cubic in age and BA field.

Figure A16: Female-male difference in returns to graduate degrees on Log Occupation Premium

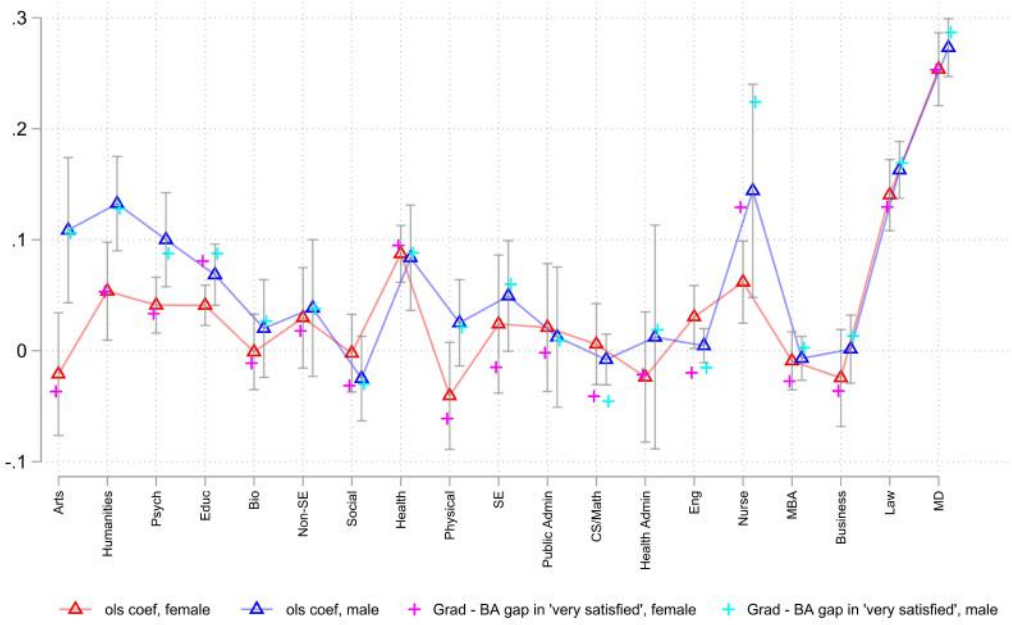



Notes: The figure shows the female-male difference in OLS and FEcg estimates of the 19 graduate degrees for log occupational premium. The light red lines with circles show the difference in the FEcg estimates and the red lines with triangles show the difference in the OLS estimates. Error bars show 90 percent confidence intervals. Sample weights are used. The regressions include dummies for BA field and each advanced degree, race, Hispanic origin, parental education, calendar year, a cubic in age, and an interaction between a cubic in age and BA field.

Figure A17: OLS estimates of effects of graduate degrees on job satisfaction.
(A) Dep. variable: "very satisfied" with intellectual challenge.

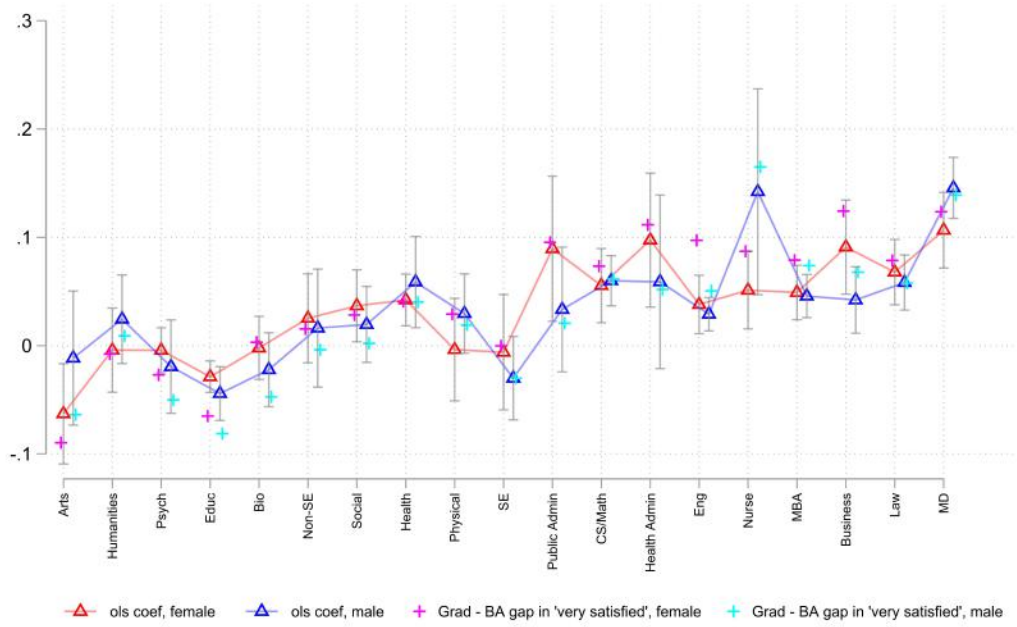



(B) Dep variable: "very satisfied" with responsibility.



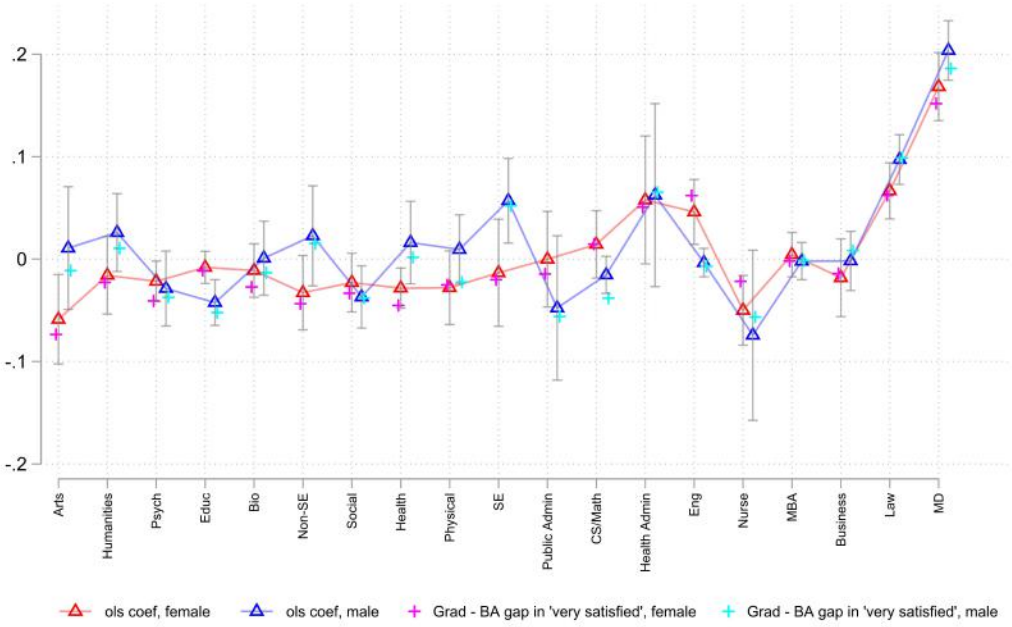

Notes: The figure reports estimates of the effect of completing advanced degrees on job satisfaction in terms of intellectual challenge (panel A) and responsibility (panel B) by graduate degree field. The dependent variable is an indicator for if the individual responded that they were "very satisfied". Sample weights are used. Standard errors are clustered by person. The red line and triangles report the OLS estimates for women and blue line with triangles report the OLS estimates for men. The pink crosses report the raw differences between the mean response of women with the particular graduate degree and women with only a BA. The light-blue crosses report the corresponding differences for men.

Figure A18: OLS estimates of effects of graduate degrees on job satisfaction. Dep variable: "very satisfied" with salary.

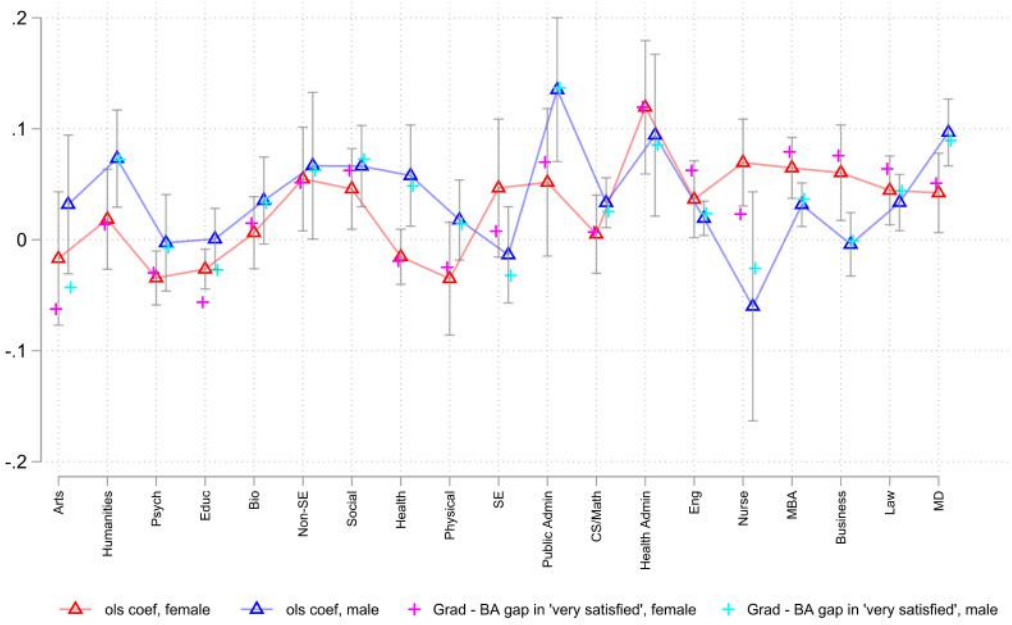



Notes: The figure reports estimates of the effect of completing advanced degrees on job satisfaction in terms of salary by graduate degree field. The dependent variable is an indicator for whether the individual responded that they were "very satisfied". Sample weights are used. Standard errors are clustered by person. The red line and triangles report the OLS estimates for women and blue line with triangles report the OLS estimates for men. The pink crosses report the raw differences between the mean response of women with the particular graduate degree and women with only a BA. The light-blue crosses report the corresponding differences for men.

Figure A19: OLS estimates of effects of graduate degrees on job satisfaction.
(A) Dep variable: "very satisfied" with career advancement.

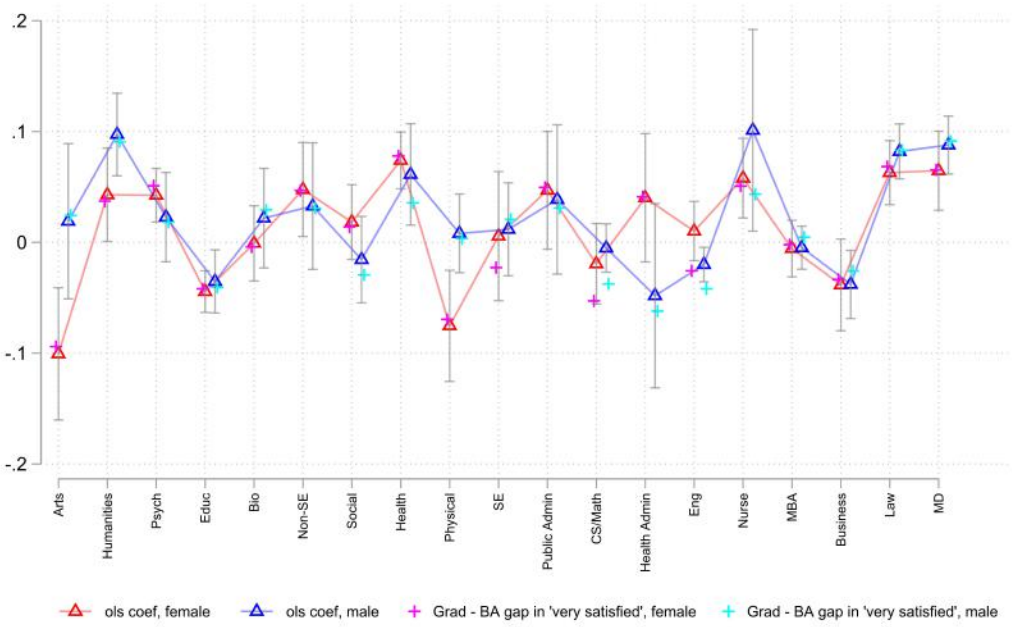



(B) Dep variable: "very satisfied" with benefits.

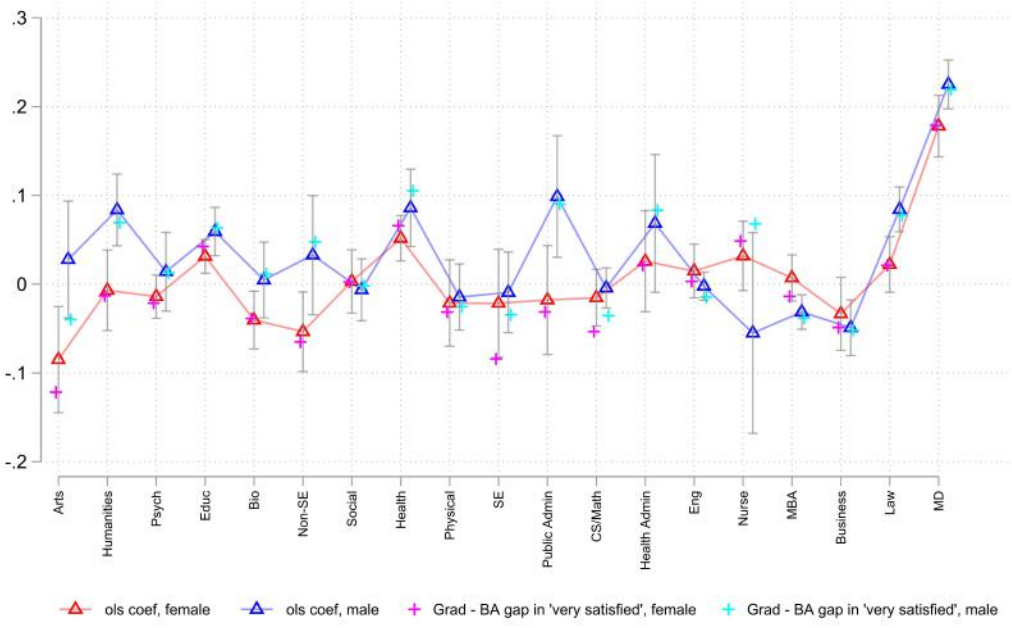



Notes: The figure reports estimates of the effect of completing advanced degrees on job satisfaction (panel A) and benefits (panel (B) in terms of career advancement by graduate degree field. The dependent variable is an indicator for if the individual responded that they were "very satisfied". Sample weights are used. Standard errors are clustered by person. The red line and triangles report the OLS estimates for women and blue line with triangles report the OLS estimates for men. The pink crosses report the raw differences between the mean response of women with the particular graduate degree and women with only a BA. The light-blue crosses report the corresponding differences for men.

Figure A20: OLS estimates of effects of graduate degrees on job satisfaction.
(A) Dep variable: "very satisfied" with independence.

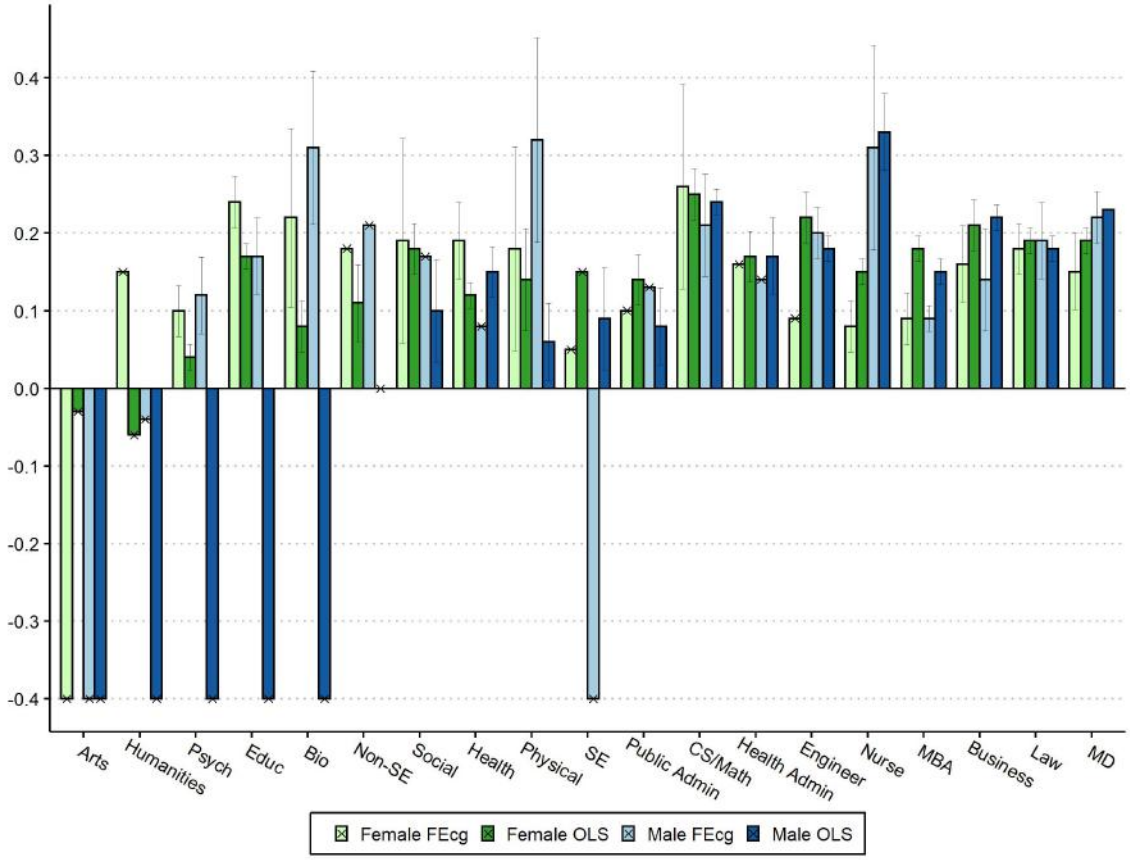



(B) Dep variable: "very satisfied" with job security.




Notes: The figure reports estimates of the effect of completing advanced degrees on job satisfaction in terms of independence (panel A) and job security (panel B), by graduate degree field. The dependent variable is an indicator for whether the individual responded that they were "very satisfied". Sample weights are used. Standard errors are clustered by person. The red line and triangles report the OLS estimates for women and blue line with triangles report the OLS estimates for men. The pink crosses report the raw differences between the mean response of women with the particular graduate degree and women with only a BA. The light-blue crosses report the corresponding differences for men.

Figure A21: FEcg and OLS estimates of the internal rate of return.




Notes: The figure reports the FEcg and OLS estimates of the internal rate of return for men and women by graduate degree. The estimates assume full-time enrollment with no wage income while enrolled. See Table 7 for details on the IRR estimates. Standard errors show 90% confidence intervals calculated via bootstrap. Cases where one or more of the bootstrap estimates did not converge or found corner solutions do not report confidence intervals are marked with an x. Light green bars show FEcg estimates for females, green bars show OLS estimates for females, light blue bars show FEcg estimates for males, and blue bars show OLS estimates for females.

# 12 Additional Tables

Table A1: Aggregation of advanced fields and degree type: Women

| Aggregated advanced degrees | Disaggregated advanced degree field | Adv.deg. type | Earnings | | Occ prem. | | OLS Earnings prem. | | Perc. in sample | Cell count |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Mean | SD | Mean | SD | Coef | SE | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) |
| Law | Law/prelaw/legal studies | Master | 75,193 | 41,079 | -0.65 | 0.28 | 0.29 | 0.08 | 0.11 | 160 |
| | | Prof | 119,463 | 97,165 | -0.33 | 0.16 | 0.57 | 0.02 | 7.67 | 7,520 |
| MBA | Business, general | Master | 106,570 | 70,193 | -0.51 | 0.24 | 0.42 | 0.04 | 1.71 | 2,350 |
| | Business administration and management | Master | 93,496 | 61,921 | -0.51 | 0.23 | 0.31 | 0.02 | 6.14 | 8,050 |
| | | Prof | | | | | | | | |
| | Business and managerial economics | Master | 102,683 | 60,463 | -0.51 | 0.25 | 0.41 | 0.09 | 0.13 | 180 |
| | Other business management/administrative services | Master | 93,995 | 100,726 | -0.53 | 0.23 | 0.32 | 0.04 | 1.67 | 2,170 |
| | | Prof | | | | | | | | |
| Medicine | Medicine (e.g., dentistry, optometry, osteopathic, podiatry, veterinary) | Master | 90,020 | 41,443 | -0.52 | 0.19 | 0.37 | 0.07 | 0.28 | 560 |
| | | Prof | 146,584 | 108,744 | -0.13 | 0.19 | 0.74 | 0.02 | 4.94 | 6,470 |
| Master's in arts | Dramatic arts | Master | 74,534 | 139,897 | -0.68 | 0.24 | 0.09 | 0.08 | 0.26 | 190 |
| | Fine arts, all fields | Master | 52,237 | 26,255 | -0.78 | 0.20 | -0.07 | 0.05 | 0.51 | 420 |
| | Music, all fields | Master | 56,611 | 28,504 | -0.78 | 0.21 | 0.13 | 0.04 | 0.45 | 330 |
| | | Prof | | | | | | | | |
| | Other visual and performing arts | Master | 67,372 | 43,769 | -0.74 | 0.21 | 0.08 | 0.08 | 0.40 | 370 |
| | | Prof | | | | | | | | |
| Master's in biological/ agricultural/ environmental/ life sciences | Animal sciences | Master | 62,387 | 77,769 | -0.69 | 0.23 | 0.21 | 0.05 | 0.07 | 260 |
| | Biochemistry and biophysics | Master | 65,072 | 60,648 | -0.70 | 0.21 | 0.02 | 0.06 | 0.15 | 600 |
| | Biology, general | Master | 60,250 | 29,993 | -0.73 | 0.18 | 0.06 | 0.03 | 0.47 | 1,700 |
| | Botany | Master | 46,013 | 19,922 | -0.81 | 0.14 | -0.17 | 0.07 | 0.05 | 220 |
| | Cell and molecular biology | Master | 66,875 | 57,225 | -0.74 | 0.13 | 0.06 | 0.05 | 0.12 | 500 |
| | Ecology | Master | 56,363 | 22,126 | -0.72 | 0.16 | 0.01 | 0.07 | 0.14 | 500 |
| | Environmental science or studies | Master | 67,611 | 31,280 | -0.66 | 0.21 | 0.17 | 0.04 | 0.29 | 1,060 |
| | Food sciences and technology | Master | 69,962 | 32,151 | -0.66 | 0.17 | 0.15 | 0.06 | 0.12 | 500 |
| | Forestry sciences | Master | 63,709 | 24,286 | -0.65 | 0.25 | 0.12 | 0.10 | 0.03 | 140 |
| | Genetics, animal and plant | Master | 61,954 | 24,088 | -0.74 | 0.22 | 0.09 | 0.06 | 0.07 | 240 |
| | Microbiological sciences and immunology | Master | 64,093 | 33,803 | -0.68 | 0.18 | 0.03 | 0.05 | 0.15 | 720 |
| | Nutritional sciences | Master | 66,640 | 24,248 | -0.55 | 0.16 | 0.18 | 0.04 | 0.27 | 760 |
| | Other agricultural sciences | Master | 55,027 | 16,746 | -0.63 | 0.31 | 0.10 | 0.07 | 0.07 | 250 |
| | Other biological sciences | Master | 63,292 | 34,669 | -0.72 | 0.19 | 0.07 | 0.04 | 0.25 | 960 |
| | Other conservation and natural resources | Master | 68,834 | 88,269 | -0.62 | 0.22 | 0.09 | 0.07 | 0.08 | 300 |
| | Pharmacology, human and animal | Master | 89,164 | 46,346 | -0.67 | 0.18 | 0.22 | 0.13 | 0.05 | 160 |
| | | Prof | | | | | | | | |
| | Physiology and pathology, human and animal | Master | 62,318 | 29,313 | -0.65 | 0.19 | 0.07 | 0.05 | 0.09 | 340 |
| | Plant sciences | Master | 52,137 | 29,834 | -0.75 | 0.22 | -0.02 | 0.07 | 0.08 | 350 |
| | Zoology, general | Master | 51,202 | 26,803 | -0.73 | 0.17 | -0.13 | 0.07 | 0.07 | 280 |

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| Aggregated advanced degrees | Disaggregated advanced degree field | Adv.deg. type | Earnings | | Occ prem. | | OLS Earnings prem. | | Perc. in sample | Cell count |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Mean | SD | Mean | SD | Coef | SE | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) |
| Master's in business-related fields | Accounting | Master Prof | 84,272 | 66,570 | -0.51 | 0.17 | 0.21 | 0.04 | 0.99 | 890 |
| | Actuarial science | Master | 108,311 | 50,612 | -0.09 | 0.18 | 0.34 | 0.17 | 0.02 | 40 |
| | Agricultural economics | Master | 73,473 | 39,836 | -0.62 | 0.21 | 0.18 | 0.20 | 0.08 | 210 |
| | Business marketing/marketing management | Master | 96,503 | 62,469 | -0.50 | 0.22 | 0.32 | 0.05 | 0.94 | 1,170 |
| | Financial management | Master Prof | 113,162 | 77,999 | -0.47 | 0.21 | 0.48 | 0.03 | 1.80 | 1,970 |
| | Marketing research | Master | 80,785 | 44,253 | -0.51 | 0.14 | 0.20 | 0.07 | 0.18 | 200 |
| | Other agricultural business and production | Master | 46,502 | 13,291 | -0.70 | 0.26 | -0.18 | 0.12 | 0.03 | 40 |
| Master's in computer and mathematical sciences | Applied mathematics | Master | 83,008 | 56,862 | -0.54 | 0.25 | 0.22 | 0.05 | 0.10 | 420 |
| | Computer and information sciences, general | Master | 81,504 | 34,400 | -0.50 | 0.17 | 0.21 | 0.03 | 0.36 | 1,060 |
| | Computer programming | Master | 75,626 | 28,464 | -0.50 | 0.16 | 0.13 | 0.12 | 0.06 | 130 |
| | Computer science | Master | 93,684 | 47,668 | -0.45 | 0.14 | 0.27 | 0.02 | 1.20 | 3,410 |
| | Computer systems analysis | Master | 102,097 | 45,049 | -0.44 | 0.13 | 0.49 | 0.10 | 0.07 | 140 |
| | Data processing | Master | 74,343 | 30,213 | -0.42 | 0.11 | 0.20 | 0.08 | 0.01 | 40 |
| | Information services and systems | Master | 85,765 | 41,124 | -0.56 | 0.21 | 0.26 | 0.04 | 0.45 | 1,250 |
| | Mathematics, general | Master | 65,581 | 34,348 | -0.70 | 0.23 | 0.04 | 0.03 | 0.60 | 1,750 |
| | Other computer and information sciences | Master | 90,280 | 38,543 | -0.51 | 0.19 | 0.28 | 0.07 | 0.16 | 460 |
| | Other mathematics | Master | 71,811 | 36,537 | -0.67 | 0.23 | 0.09 | 0.12 | 0.04 | 120 |
| | Operations research | Master | 105,618 | 66,181 | -0.48 | 0.19 | 0.39 | 0.11 | 0.11 | 360 |
| | Statistics | Master | 88,139 | 48,482 | -0.53 | 0.19 | 0.26 | 0.05 | 0.28 | 1,090 |
| Master's in education fields | Computer teacher education | Master | 63,961 | 19,942 | -0.81 | 0.15 | 0.13 | 0.05 | 0.29 | 280 |
| | Counselor education and guidance | Master | 59,727 | 35,814 | -0.86 | 0.18 | 0.10 | 0.02 | 2.64 | 2,690 |
| | Education administration | Master Prof | 69,713 | 48,288 | -0.74 | 0.23 | 0.25 | 0.02 | 3.17 | 2,620 |
| | Educational psychology | Master | 65,372 | 30,930 | -0.78 | 0.21 | 0.19 | 0.02 | 1.71 | 1,990 |
| | Elementary teacher education | Master Prof | 61,966 | 37,649 | -0.87 | 0.13 | 0.17 | 0.01 | 5.94 | 3,540 |
| | Mathematics teacher education | Master Prof | 64,595 | 25,072 | -0.80 | 0.18 | 0.11 | 0.04 | 0.76 | 1,110 |
| | Other education | Master Prof | 60,255 | 22,499 | -0.81 | 0.19 | 0.14 | 0.01 | 5.80 | 4,760 |
| | Physical education and coaching | Master | 57,672 | 19,310 | -0.79 | 0.17 | 0.09 | 0.04 | 0.46 | 320 |
| | Pre-school/kindergarten/early childhood teacher education | Master Prof | 56,445 | 21,956 | -0.93 | 0.23 | 0.14 | 0.03 | 0.58 | 450 |
| | Science teacher education | Master Prof | 62,319 | 27,225 | -0.82 | 0.13 | 0.13 | 0.04 | 0.62 | 1,000 |
| | Secondary teacher education | Master Prof | 61,369 | 26,907 | -0.82 | 0.15 | 0.11 | 0.02 | 2.37 | 2,330 |
| | Social science teacher education | Master | 59,516 | 16,613 | -0.83 | 0.14 | 0.17 | 0.03 | 0.22 | 250 |
| | Special education | Master Prof | 60,947 | 21,745 | -0.83 | 0.16 | 0.17 | 0.02 | 3.97 | 2,840 |

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| Aggregated advanced degrees | Disaggregated advanced degree field | Adv.deg. type | Earnings | | Occ prem. | | OLS Earnings prem. | | Perc. in sample | Cell count |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Mean | SD | Mean | SD | Coef | SE | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) |
| Master's in engineering | Aerospace, aeronautical, astronautical/space engineering | Master | 90,436 | 37,059 | -0.41 | 0.14 | 0.19 | 0.05 | 0.07 | 920 |
| | Agricultural engineering | Master | 54,908 | 24,645 | -0.59 | 0.21 | 0.01 | 0.14 | 0.01 | 60 |
| | Architectural engineering | Master | 72,240 | 23,050 | -0.53 | 0.13 | 0.13 | 0.07 | 0.03 | 170 |
| | Bioengineering and biomedical engineering | Master | 68,886 | 33,545 | -0.64 | 0.19 | -0.03 | 0.06 | 0.07 | 610 |
| | Chemical engineering | Master | 82,020 | 39,213 | -0.42 | 0.23 | 0.02 | 0.04 | 0.12 | 1,330 |
| | Civil engineering | Master | 79,270 | 56,188 | -0.45 | 0.17 | 0.12 | 0.03 | 0.31 | 2,550 |
| | Computer and systems engineering | Master | 108,930 | 81,512 | -0.43 | 0.13 | 0.34 | 0.03 | 0.32 | 1,550 |
| | Electrical, electronics and communications engineering | Master | 97,631 | 61,670 | -0.40 | 0.12 | 0.24 | 0.03 | 0.40 | 2,410 |
| | Engineering, general | Master | 109,144 | 55,475 | -0.45 | 0.18 | 0.34 | 0.16 | 0.05 | 260 |
| | Engineering sciences, mechanics and physics | Master | 86,587 | 55,842 | -0.44 | 0.15 | 0.17 | 0.09 | 0.03 | 140 |
| | Environmental engineering | Master | 76,814 | 29,228 | -0.46 | 0.18 | 0.12 | 0.03 | 0.14 | 1,000 |
| | Geophysical and geological engineering | Master | 87,795 | 23,648 | -0.42 | 0.11 | 0.27 | 0.08 | 0.01 | 70 |
| | Industrial and manufacturing engineering | Master | 91,901 | 49,971 | -0.48 | 0.17 | 0.27 | 0.03 | 0.19 | 1,760 |
| | Materials engineering, including ceramic and textile sciences | Master | 78,596 | 33,549 | -0.48 | 0.16 | 0.11 | 0.06 | 0.06 | 460 |
| | Mechanical engineering | Master | 85,288 | 34,176 | -0.45 | 0.12 | 0.16 | 0.03 | 0.21 | 2,030 |
| | Metallurgical engineering | Master | 115,385 | 32,265 | -0.44 | 0.07 | 0.52 | 0.07 | 0.02 | 80 |
| | Mining and minerals engineering | Master | | | | | | | | |
| | Naval architecture and marine engineering | Master | 71,934 | 15,246 | -0.47 | 0.12 | 0.18 | 0.09 | 0.00 | 20 |
| | Nuclear engineering | Master | 92,550 | 28,710 | -0.44 | 0.14 | 0.18 | 0.07 | 0.02 | 100 |
| | Other engineering | Master | 86,118 | 33,972 | -0.45 | 0.16 | 0.21 | 0.03 | 0.14 | 970 |
| | Petroleum engineering | Master | 93,130 | 41,437 | -0.11 | 0.26 | 0.29 | 0.14 | 0.01 | 70 |
| Master's in health services admin | Health services administration | Master | 87,414 | 62,144 | -0.54 | 0.23 | 0.30 | 0.03 | 1.32 | 1,780 |
| | | Prof | | | | | | | | |
| Master's in health-related fields | Audiology and speech pathology | Master | 64,552 | 33,827 | -0.60 | 0.19 | 0.26 | 0.03 | 1.69 | 2,400 |
| | | Prof | 64,408 | 8,598 | -0.08 | 0.00 | 0.44 | 0.07 | 0.01 | 10 |
| | Health/medical assistants | Master | 89,394 | 28,088 | -0.52 | 0.18 | 0.57 | 0.09 | 0.27 | 460 |
| | | Prof | | | | | | | | |
| | Health/medical technologies | Master | 79,494 | 30,061 | -0.65 | 0.19 | 0.22 | 0.07 | 0.08 | 180 |
| | | Prof | 81,843 | 56,743 | -0.51 | 0.33 | 0.31 | 0.19 | 0.02 | 30 |
| | Medical preparatory programs (e.g., pre-dentistry, pre-medical, pre-veterinary) | Master | 64,370 | 24,652 | -0.60 | 0.20 | 0.10 | 0.09 | 0.01 | 40 |
| | | Prof | 90,413 | 55,391 | -0.06 | 0.03 | 0.55 | 0.18 | 0.01 | 10 |
| | Other health/medical sciences | Master | 71,275 | 47,358 | -0.66 | 0.24 | 0.19 | 0.03 | 1.31 | 2,090 |
| | | Prof | 96,978 | 61,895 | -0.33 | 0.24 | 0.44 | 0.12 | 0.01 | 20 |
| | Pharmacy | Master | 88,863 | 62,385 | -0.64 | 0.18 | 0.12 | 0.06 | 0.07 | 180 |
| | | Prof | 112,840 | 30,954 | -0.52 | 0.11 | 0.58 | 0.04 | 0.42 | 630 |
| | Physical therapy and other rehabilitation/therapeutic services | Master | 66,248 | 32,683 | -0.60 | 0.20 | 0.23 | 0.02 | 1.83 | 2,600 |
| | | Prof | 71,457 | 19,376 | -0.49 | 0.14 | 0.38 | 0.05 | 0.11 | 110 |
| | Public health (including environmental health and epidemiology) | Master | 68,107 | 36,373 | -0.64 | 0.21 | 0.19 | 0.03 | 1.11 | 2,590 |
| | | Prof | | | | | | | | |

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| Aggregated advanced degrees | Disaggregated advanced degree field | Adv.deg. type | Earnings | | Occ prem. | | OLS Earnings prem. | | Perc. in sample | Cell count |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Mean | SD | Mean | SD | Coef | SE | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) |
| Master's in humanity fields | English Language, literature and letters | Master | 59,523 | 31,031 | -0.79 | 0.18 | 0.05 | 0.03 | 1.16 | 1,060 |
| | | Prof | | | | | | | | |
| | History, other | Master | 60,689 | 81,251 | -0.75 | 0.23 | -0.03 | 0.05 | 0.61 | 530 |
| | | Prof | | | | | | | | |
| | Liberal arts/general studies | Master | 69,097 | 34,427 | -0.76 | 0.24 | 0.16 | 0.06 | 0.34 | 340 |
| | | Prof | 89,695 | 30,500 | -0.49 | 0.04 | 0.37 | 0.10 | 0.01 | 10 |
| | Linguistics | Master | 58,729 | 25,288 | -0.78 | 0.18 | 0.04 | 0.06 | 0.23 | 290 |
| | Other foreign languages and literature | Master | 60,026 | 34,212 | -0.77 | 0.21 | 0.00 | 0.04 | 0.56 | 640 |
| | | Prof | | | | | | | | |
| | Other philosophy, religion, theology | Master | 52,961 | 28,700 | -0.94 | 0.28 | -0.09 | 0.04 | 0.67 | 570 |
| | | Prof | 57,325 | 50,802 | -1.03 | 0.24 | -0.08 | 0.17 | 0.03 | 20 |
| Master's in other non-science and engineering fields | Communications, general | Master | 65,915 | 35,063 | -0.67 | 0.24 | 0.10 | 0.06 | 0.42 | 430 |
| | Criminal justice/protective services | Master | 61,524 | 28,275 | -0.74 | 0.32 | 0.14 | 0.06 | 0.37 | 620 |
| | | Prof | 252,435 | 284,889 | -0.28 | 0.00 | 1.09 | 0.41 | 0.03 | 30 |
| | Journalism | Master | 68,481 | 37,187 | -0.69 | 0.16 | 0.13 | 0.06 | 0.31 | 290 |
| | Library science | Master | 60,743 | 22,696 | -0.86 | 0.19 | 0.10 | 0.02 | 1.67 | 1,180 |
| | | Prof | | | | | | | | |
| | Non-Science & Engineering (suppressed) | Master | | | | | | | | |
| | Other communication | Master | 73,003 | 60,189 | -0.66 | 0.21 | 0.18 | 0.05 | 0.42 | 350 |
| | Parks, recreation, leisure, and fitness studies | Master | 53,853 | 21,660 | -0.77 | 0.26 | 0.01 | 0.04 | 0.27 | 340 |
| Master's in nursing | Nursing (4 years or longer program) | Master | 92,658 | 43,776 | -0.51 | 0.17 | 0.27 | 0.01 | 3.27 | 4,890 |
| | | Prof | 84,626 | 52,373 | -0.45 | 0.14 | 0.35 | 0.15 | 0.02 | 20 |
| Master's in physical and related sciences | Astronomy and astrophysics | Master | 53,056 | 30,958 | -0.56 | 0.22 | -0.14 | 0.11 | 0.01 | 120 |
| | Atmospheric sciences and meteorology | Master | 66,209 | 27,793 | -0.47 | 0.14 | 0.12 | 0.09 | 0.02 | 180 |
| | Chemistry, except biochemistry | Master | 73,286 | 48,140 | -0.65 | 0.19 | 0.13 | 0.04 | 0.43 | 2,590 |
| | Earth sciences | Master | 70,176 | 41,834 | -0.67 | 0.19 | 0.19 | 0.07 | 0.03 | 190 |
| | Geological sciences, other | Master | 74,177 | 51,095 | -0.60 | 0.17 | 0.15 | 0.11 | 0.07 | 430 |
| | Geology | Master | 75,510 | 37,756 | -0.58 | 0.15 | 0.22 | 0.05 | 0.14 | 850 |
| | Other physical sciences | Master | 68,250 | 35,055 | -0.74 | 0.17 | 0.15 | 0.08 | 0.06 | 220 |
| | Oceanography | Master | 59,669 | 27,622 | -0.62 | 0.17 | -0.01 | 0.10 | 0.02 | 130 |
| | Physics, except biophysics | Master | 68,745 | 46,269 | -0.61 | 0.21 | 0.04 | 0.06 | 0.13 | 740 |
| | Science, unclassified | Master | 57,717 | 18,117 | -0.78 | 0.16 | 0.03 | 0.05 | 0.03 | 100 |

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| Aggregated advanced degrees | Disaggregated advanced degree field | Adv.deg. type | Earnings | | Occ prem. | | OLS Earnings prem. | | Perc. in sample | Cell count |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Mean | SD | Mean | SD | Coef | SE | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) |
| Master's in psychology and social work | Clinical psychology | Master | 55,427 | 36,134 | -0.77 | 0.21 | -0.01 | 0.04 | 0.63 | 1,370 |
| | | Prof | 81,091 | 45,810 | -0.74 | 0.11 | 0.30 | 0.09 | 0.02 | 50 |
| | Counseling psychology | Master | 57,384 | 36,542 | -0.81 | 0.21 | 0.05 | 0.02 | 2.56 | 4,720 |
| | Educational psychology | Prof | | | | | | | | |
| | Experimental psychology | Master | 100,248 | 165,112 | -0.69 | 0.24 | 0.28 | 0.14 | 0.08 | 180 |
| | | Prof | | | | | | | | |
| | General psychology | Master | 58,688 | 40,464 | -0.75 | 0.21 | 0.08 | 0.03 | 0.74 | 1,360 |
| | | Prof | 61,755 | 38,248 | -0.53 | 0.27 | 0.03 | 0.35 | 0.02 | 20 |
| | Industrial/Organizational psychology | Master | 81,253 | 60,992 | -0.61 | 0.21 | 0.31 | 0.07 | 0.29 | 580 |
| | Other psychology | Master | 59,200 | 29,064 | -0.76 | 0.21 | 0.14 | 0.03 | 0.78 | 1,800 |
| | | Prof | 54,604 | 21,380 | -0.85 | 0.03 | 0.08 | 0.11 | 0.01 | 20 |
| | Social Work | Master | 61,127 | 38,171 | -0.82 | 0.22 | 0.14 | 0.01 | 4.26 | 6,860 |
| | | Prof | | | | | | | | |
| | Social psychology | Master | 48,926 | 22,120 | -0.80 | 0.24 | -0.10 | 0.08 | 0.05 | 140 |
| | | Prof | | | | | | | | |
| Master's in public admin | Other public affairs | Master | 65,855 | 31,013 | -0.60 | 0.30 | 0.15 | 0.06 | 0.14 | 200 |
| | Public administration | Master | 77,230 | 46,030 | -0.60 | 0.27 | 0.25 | 0.03 | 1.35 | 1,870 |
| Master's in other science and engineering -related fields | Architecture/environmental design | Master | 75,132 | 35,996 | -0.59 | 0.24 | 0.17 | 0.04 | 0.68 | 1,260 |
| | | Prof | | | | | | | | |
| | Electrical and electronics technologies | Master | 84,949 | 37,457 | -0.48 | 0.21 | 0.19 | 0.22 | 0.03 | 80 |
| | Industrial production technologies | Master | 82,737 | 53,530 | -0.53 | 0.15 | 0.19 | 0.07 | 0.02 | 70 |
| | Mechanical engineering-related technologies | Master | 84,847 | 15,740 | -0.42 | 0.05 | 0.18 | 0.06 | 0.01 | 30 |
| | Other engineering-related technologies | Master | 80,935 | 34,278 | -0.61 | 0.28 | 0.18 | 0.10 | 0.07 | 220 |
| | All Science & Engineering (suppressed) | Master | | | | | | | | |
| Master's in other social and related sciences | Anthropology and archaeology | Master | 51,657 | 24,073 | -0.70 | 0.22 | -0.06 | 0.06 | 0.21 | 810 |
| | Area and ethnic studies | Master | 54,729 | 23,475 | -0.76 | 0.24 | -0.01 | 0.04 | 0.19 | 590 |
| | Criminology | Master | 61,816 | 28,850 | -0.81 | 0.30 | 0.17 | 0.08 | 0.09 | 340 |
| | Economics | Master | 90,985 | 69,617 | -0.56 | 0.25 | 0.25 | 0.06 | 0.40 | 1,560 |
| | Geography | Master | 62,333 | 28,539 | -0.63 | 0.21 | 0.13 | 0.06 | 0.14 | 420 |
| | History of science | Master | | | | | | | | |
| | Home Economics | Master | 57,431 | 24,774 | -0.76 | 0.24 | 0.13 | 0.04 | 0.25 | 390 |
| | International relations | Master | 72,213 | 43,413 | -0.61 | 0.23 | 0.20 | 0.05 | 0.41 | 1,140 |
| | Other social sciences | Master | 62,045 | 30,705 | -0.68 | 0.27 | 0.11 | 0.03 | 0.49 | 1,280 |
| | Philosophy of science | Master | 54,372 | 19,347 | -0.85 | 0.04 | 0.01 | 0.12 | 0.01 | 20 |
| | Political science and government | Master | 61,164 | -0.71 | 0.23 | 0.26 | 0.03 | 0.05 | 0.36 | 850 |
| | Public policy studies | Master | 84,010 | 53,644 | 33,604 | -0.54 | 0.33 | 0.04 | 0.45 | 1,440 |
| | Sociology | Master | 67,142 | 52,940 | -0.72 | 0.24 | 0.18 | 0.04 | 0.48 | 1534 |

*Note:* The table presents the statistics of the disaggregated advanced degrees for women. Column 1 presents 19 aggregated advanced degree fields that are constructed from 168 disaggregated advanced degrees. For each disaggregated advanced degree, columns 2-11 present its field, type (Master or Professional Degree), mean and standard deviation of earnings, the mean and standard deviation of occupational premiums, its coefficient and standard error from a disaggregated additive earnings regression, percentage in the sample, and the rounded observation count. The reference category of advanced fields in the disaggregated additive earnings regression is no advanced degree. The reference category of the occupational premium is top level managers. Disaggregated advanced degrees with less than 10 observations are removed from the table. The specification is Table 2 col. (2), with disaggregated BA and advanced fields. Sample weights are used. Standard errors are clustered at the person level.

Table A2: Aggregation of BA fields: Women

| Aggregated BA major | Disaggregated BA major | Earnings | | BA earnings prem. | | Perc. in sample | Cell count |
|---|---|---|---|---|---|---|---|
| | | Mean | SD | Mean | SE | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) |
| Biological/ agricultural/ environmental sciences | Animal sciences | 52,046 | 35,180 | -0.00 | 0.03 | 0.36 | 2,110 |
| | Biochemistry and biophysics | 78,984 | 77,657 | 0.22 | 0.03 | 0.37 | 2,750 |
| | Biology, general | 73,823 | 64,636 | 0.19 | 0.02 | 3.19 | 18,640 |
| | Botany | 52,295 | 35,588 | -0.02 | 0.06 | 0.05 | 310 |
| | Cell and molecular biology | 82,150 | 59,791 | 0.29 | 0.05 | 0.12 | 990 |
| | Ecology | 63,372 | 53,847 | 0.17 | 0.06 | 0.15 | 1,170 |
| | Environmental science or studies | 60,376 | 44,797 | 0.19 | 0.04 | 0.29 | 2,400 |
| | Food sciences and technology | 68,430 | 40,693 | 0.30 | 0.06 | 0.11 | 1,010 |
| | Forestry sciences | 51,361 | 23,609 | -0.01 | 0.07 | 0.06 | 410 |
| | Genetics, animal and plant | 78,920 | 84,671 | 0.23 | 0.11 | 0.03 | 240 |
| | Microbiological sciences and immunology | 73,784 | 61,395 | 0.23 | 0.04 | 0.33 | 2,210 |
| | Nutritional sciences | 64,032 | 57,927 | 0.17 | 0.03 | 0.27 | 1,540 |
| | Other agricultural sciences | 47,740 | 28,535 | 0.06 | 0.07 | 0.07 | 590 |
| | Other biological sciences | 64,426 | 63,481 | 0.20 | 0.04 | 0.28 | 1,740 |
| | Other conservation and natural resources | 64,985 | 54,884 | 0.15 | 0.06 | 0.08 | 680 |
| | Pharmacology, human and animal | 83,962 | 68,370 | 0.44 | 0.09 | 0.02 | 140 |
| | Physiology and pathology, human and animal | 77,648 | 59,800 | 0.26 | 0.04 | 0.11 | 680 |
| | Plant sciences | 53,858 | 35,621 | 0.00 | 0.05 | 0.17 | 1,150 |
| | Zoology, general | 70,515 | 52,754 | 0.11 | 0.03 | 0.29 | 1,570 |
| Business | Accounting | 74,104 | 50,993 | 0.38 | 0.02 | 3.81 | 6,900 |
| | Actuarial science | 93,589 | 124,159 | 0.51 | 0.13 | 0.11 | 290 |
| | Agricultural economics | 52,614 | 31,075 | 0.08 | 0.06 | 0.20 | 530 |
| | Business, general | 69,529 | 59,615 | 0.25 | 0.02 | 1.97 | 4,090 |
| | Business administration and management | 66,317 | 47,301 | 0.25 | 0.02 | 4.47 | 9,660 |
| | Business and managerial economics | 72,347 | 50,373 | 0.31 | 0.04 | 0.41 | 1,080 |
| | Financial management | 79,436 | 62,662 | 0.39 | 0.03 | 1.25 | 2,740 |
| | Other agricultural business and production | 59,282 | 41,830 | 0.09 | 0.08 | 0.11 | 330 |
| | Other business management/administrative services | 64,819 | 44,993 | 0.24 | 0.02 | 1.46 | 3,430 |
| Communications/ Journalism | Communications, general | 62,654 | 44,424 | 0.21 | 0.03 | 1.69 | 3,410 |
| | Journalism | 66,720 | 49,832 | 0.23 | 0.03 | 1.26 | 2,480 |
| | Other communication | 59,242 | 36,880 | 0.18 | 0.03 | 0.86 | 1,710 |
| Computer and mathematical sciences | Applied mathematics | 78,608 | 72,243 | 0.36 | 0.05 | 0.21 | 1,490 |
| | Computer and information sciences, general | 73,906 | 38,619 | 0.38 | 0.03 | 0.48 | 3,200 |
| | Computer science | 81,407 | 48,346 | 0.47 | 0.02 | 1.44 | 10,240 |
| | Computer systems analysis | 80,326 | 43,820 | 0.47 | 0.06 | 0.08 | 510 |
| | Information services and systems | 73,084 | 52,112 | 0.38 | 0.02 | 0.52 | 3,470 |
| | Mathematics, general | 69,713 | 48,538 | 0.25 | 0.02 | 1.57 | 10,450 |
| | Other computer and information sciences | 68,088 | 63,736 | 0.32 | 0.06 | 0.09 | 520 |
| | Other mathematics | 75,998 | 47,262 | 0.35 | 0.06 | 0.10 | 620 |
| | Operations research | 82,677 | 49,381 | 0.48 | 0.09 | 0.04 | 270 |
| | Computer & Info Sci. (suppressed) | | | | | | |
| | Statistics | 82,741 | 58,089 | 0.41 | 0.05 | 0.14 | 1,160 |
| Economics | Economics | 84,813 | 86,130 | 0.38 | 0.03 | 1.74 | 9,800 |

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| Aggregated BA major | Disaggregated BA major | Earnings | | BA earnings prem. | | Perc. in sample | Cell count |
|---|---|---|---|---|---|---|---|
| | | Mean | SD | Mean | SE | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) |
| Education | Computer teacher education | 57,789 | 23,824 | 0.08 | 0.06 | 0.02 | 60 |
| | Counselor education and guidance | 59,002 | 44,078 | 0.05 | 0.07 | 0.07 | 160 |
| | Education administration | 55,044 | 32,624 | -0.02 | 0.07 | 0.08 | 180 |
| | Educational psychology | 58,422 | 41,347 | 0.06 | 0.04 | 0.56 | 1,340 |
| | Elementary teacher education | 53,268 | 33,204 | 0.00 | | 5.13 | 7,780 |
| | Mathematics teacher education | 56,738 | 28,110 | 0.06 | 0.03 | 0.45 | 1,420 |
| | Other education | 54,006 | 28,554 | 0.01 | 0.01 | 2.20 | 4,420 |
| | Physical education and coaching | 57,508 | 46,290 | 0.07 | 0.02 | 0.96 | 1,840 |
| | Pre-school/kindergarten/early childhood teacher education | 47,241 | 20,009 | -0.10 | 0.03 | 0.61 | 870 |
| | Science teacher education | 57,845 | 27,627 | 0.07 | 0.04 | 0.40 | 1,120 |
| | Secondary teacher education | 53,383 | 25,590 | 0.02 | 0.02 | 1.18 | 2,420 |
| | Social science teacher education | 55,398 | 25,328 | 0.02 | 0.03 | 0.45 | 1,000 |
| | Special education | 55,031 | 34,197 | 0.04 | 0.02 | 1.56 | 2,660 |
| Engineering | Aerospace, aeronautical, astronautical/space engineering | 85,969 | 41,081 | 0.54 | 0.06 | 0.09 | 2,410 |
| | Agricultural engineering | 63,643 | 47,958 | 0.20 | 0.16 | 0.02 | 210 |
| | Architectural engineering | 69,120 | 37,886 | 0.34 | 0.06 | 0.06 | 600 |
| | Bioengineering and biomedical engineering | 77,216 | 45,952 | 0.41 | 0.06 | 0.08 | 1,200 |
| | Chemical engineering | 93,664 | 57,503 | 0.60 | 0.03 | 0.47 | 7,320 |
| | Civil engineering | 77,309 | 43,958 | 0.46 | 0.02 | 0.45 | 7,040 |
| | Computer and systems engineering | 88,226 | 40,047 | 0.53 | 0.03 | 0.23 | 2,390 |
| | Electrical, electronics and communications engineering | 89,230 | 49,167 | 0.53 | 0.02 | 0.62 | 7,930 |
| | Engineering, general | 87,198 | 40,292 | 0.52 | 0.06 | 0.04 | 460 |
| | Engineering sciences, mechanics and physics | 93,606 | 56,198 | 0.52 | 0.07 | 0.03 | 410 |
| | Environmental engineering | 77,089 | 39,398 | 0.46 | 0.04 | 0.05 | 730 |
| | Geophysical and geological engineering | 70,888 | 48,779 | 0.33 | 0.06 | 0.01 | 140 |
| | Industrial and manufacturing engineering | 86,752 | 47,730 | 0.51 | 0.03 | 0.29 | 4,710 |
| | Materials engineering, including ceramic and textile sciences | 81,785 | 51,168 | 0.43 | 0.06 | 0.06 | 870 |
| | Mechanical engineering | 82,382 | 41,166 | 0.51 | 0.03 | 0.42 | 7,080 |
| | Metallurgical engineering | 111,582 | 54,415 | 0.59 | 0.08 | 0.02 | 240 |
| | Mining and minerals engineering | 81,437 | 56,868 | 0.51 | 0.10 | 0.00 | 60 |
| | Naval architecture and marine engineering | 75,208 | 33,423 | 0.48 | 0.15 | 0.00 | 60 |
| | Nuclear engineering | 90,963 | 34,250 | 0.65 | 0.08 | 0.01 | 160 |
| | Other engineering | 84,200 | 44,406 | 0.47 | 0.06 | 0.07 | 800 |
| | Petroleum engineering | 86,592 | 47,336 | 0.52 | 0.12 | 0.03 | 250 |
| English/ Languages/ Literature | English Language, literature and letters | 64,104 | 52,831 | 0.14 | 0.02 | 4.10 | 9,560 |
| | Linguistics | 52,792 | 29,333 | 0.05 | 0.07 | 0.17 | 460 |
| | Other foreign languages and literature | 62,164 | 45,711 | 0.15 | 0.02 | 1.77 | 5,090 |
| Fine/ Performing Arts | Dramatic arts | 54,597 | 47,867 | 0.02 | 0.05 | 0.33 | 640 |
| | Fine arts, all fields | 55,538 | 39,298 | 0.06 | 0.03 | 1.39 | 2,780 |
| | Music, all fields | 54,861 | 55,543 | -0.02 | 0.03 | 0.67 | 1,260 |
| | Other visual and performing arts | 61,266 | 70,217 | 0.13 | 0.03 | 0.99 | 1,880 |
| Health Related Fields | Audiology and speech pathology | 59,865 | 27,473 | 0.07 | 0.03 | 0.72 | 2,660 |
| | Health/medical assistants | 56,178 | 22,904 | 0.27 | 0.08 | 0.07 | 230 |
| | Health/medical technologies | 68,643 | 46,404 | 0.29 | 0.02 | 0.79 | 3,540 |
| | Medical preparatory programs (e.g., pre-dentistry, pre-medical, pre-veterinary) | 112,501 | 106,275 | 0.27 | 0.04 | 0.38 | 1,510 |
| | Medicine (e.g., dentistry, optometry, osteopathic, podiatry, veterinary) | 109,742 | 86,336 | 0.35 | 0.07 | 0.26 | 940 |
| | Other health/medical sciences | 63,282 | 46,078 | 0.20 | 0.03 | 0.86 | 2,830 |
| | Pharmacy | 100,083 | 45,271 | 0.61 | 0.03 | 0.49 | 1,730 |
| | Physical therapy and other rehabilitation/therapeutic services | 65,973 | 43,331 | 0.26 | 0.02 | 1.22 | 3,350 |
| | Public health (including environmental health and epidemiology) | 52,074 | 28,728 | 0.07 | 0.04 | 0.29 | 1,140 |

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| Aggregated BA major | Disaggregated BA major | Earnings | | BA earnings prem. | | Perc. in sample | Cell count |
|---|---|---|---|---|---|---|---|
| | | Mean | SD | Mean | SE | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) |
| Marketing | Business marketing/marketing management | 72,564 | 63,812 | 0.34 | 0.03 | 2.46 | 4,380 |
| | Marketing research | 61,849 | 35,194 | 0.25 | 0.05 | 0.18 | 320 |
| Nursing | Nursing (4 years or longer program) | 74,691 | 46,982 | 0.37 | 0.02 | 6.55 | 17,190 |
| Other Humanities | History, other | 69,154 | 67,014 | 0.17 | 0.02 | 2.56 | 6,100 |
| | Liberal arts/general studies | 68,358 | 62,063 | 0.20 | 0.03 | 1.35 | 3,320 |
| | Other philosophy, religion, theology | 51,888 | 32,194 | 0.00 | 0.04 | 0.45 | 990 |
| Other Non-S and E fields | Criminal justice/protective services | 53,252 | 34,496 | 0.08 | 0.03 | 1.04 | 2,800 |
| | Health services administration | 68,961 | 66,072 | 0.25 | 0.04 | 0.61 | 1,760 |
| | Library science | 57,049 | 25,764 | 0.09 | 0.08 | 0.02 | 80 |
| | Non-Science & Engineering (suppressed) | 63,972 | 28,893 | 0.28 | 0.06 | 0.04 | 140 |
| | Parks, recreation, leisure, and fitness studies | 52,785 | 29,664 | 0.04 | 0.04 | 0.46 | 1,110 |
| Other S and E-Related Fields | Architecture/environmental design | 70,762 | 49,857 | 0.32 | 0.04 | 0.55 | 2,290 |
| | Computer programming | 75,718 | 47,439 | 0.46 | 0.05 | 0.22 | 1,150 |
| | Data processing | 73,529 | 26,667 | 0.44 | 0.05 | 0.04 | 210 |
| | Electrical and electronics technologies | 74,211 | 38,554 | 0.33 | 0.15 | 0.07 | 390 |
| | Industrial production technologies | 81,168 | 68,633 | 0.46 | 0.10 | 0.08 | 370 |
| | Mechanical engineering-related technologies | 73,973 | 27,563 | 0.44 | 0.07 | 0.03 | 230 |
| | Other engineering-related technologies | 92,313 | 54,347 | 0.53 | 0.09 | 0.07 | 440 |
| | All Science & Engineering (suppressed) | 30,274 | 14,078 | -0.54 | 0.10 | 0.01 | 20 |
| Other Social and related sciences | Anthropology and archaeology | 58,341 | 55,339 | 0.06 | 0.03 | 0.45 | 2,530 |
| | Area and ethnic studies | 62,797 | 46,032 | 0.18 | 0.03 | 0.46 | 2,520 |
| | Criminology | 49,056 | 25,649 | 0.04 | 0.03 | 0.26 | 1,250 |
| | Geography | 54,618 | 32,668 | 0.08 | 0.04 | 0.28 | 1,400 |
| | History of science | 71,289 | 46,168 | 0.25 | 0.09 | 0.07 | 220 |
| | Home Economics | 54,399 | 33,024 | 0.02 | 0.03 | 0.64 | 2,520 |
| | International relations | 78,731 | 79,484 | 0.29 | 0.03 | 0.53 | 2,890 |
| | Other social sciences | 54,369 | 30,677 | 0.06 | 0.03 | 0.88 | 3,600 |
| | Philosophy of science | 69,988 | 42,521 | 0.18 | 0.08 | 0.09 | 290 |
| | Public policy studies | 87,466 | 120,715 | 0.27 | 0.09 | 0.08 | 500 |
| | Sociology | 55,884 | 38,892 | 0.09 | 0.02 | 3.95 | 16,750 |
| Physical and related sciences | Astronomy and astrophysics | 79,241 | 79,847 | 0.35 | 0.13 | 0.01 | 170 |
| | Atmospheric sciences and meteorology | 66,039 | 37,910 | 0.20 | 0.12 | 0.03 | 350 |
| | Chemistry, except biochemistry | 73,791 | 57,745 | 0.26 | 0.02 | 1.48 | 13,940 |
| | Earth sciences | 49,272 | 24,735 | 0.02 | 0.07 | 0.06 | 690 |
| | Geological sciences, other | 61,185 | 36,776 | 0.18 | 0.12 | 0.02 | 360 |
| | Geology | 66,751 | 36,822 | 0.23 | 0.04 | 0.24 | 3,040 |
| | Other physical sciences | 63,022 | 38,505 | 0.12 | 0.05 | 0.12 | 890 |
| | Oceanography | 61,036 | 24,440 | 0.31 | 0.08 | 0.01 | 130 |
| | Physics, except biophysics | 71,742 | 46,697 | 0.27 | 0.03 | 0.23 | 3,120 |
| | Physical & Related Sci (suppressed) | | | | | | |
| | Science, unclassified | 49,601 | 27,245 | 0.08 | 0.05 | 0.06 | 350 |
| Political science | Law/prelaw/legal studies | 68,433 | 62,370 | 0.11 | 0.05 | 0.25 | 930 |
| | Other public affairs | 52,328 | 24,360 | 0.05 | 0.05 | 0.09 | 330 |
| | Political science and government | 76,558 | 65,810 | 0.25 | 0.02 | 3.06 | 13,010 |
| | Public administration | 63,389 | 42,740 | 0.17 | 0.05 | 0.10 | 540 |
| Psychology or Social Work | Clinical psychology | 72,992 | 60,474 | 0.21 | 0.04 | 0.48 | 2,260 |
| | Counseling psychology | 56,549 | 37,379 | 0.10 | 0.03 | 0.45 | 1,850 |
| | Experimental psychology | 77,151 | 59,225 | 0.15 | 0.08 | 0.16 | 660 |
| | General psychology | 54,159 | 40,878 | 0.10 | 0.02 | 4.89 | 20,020 |
| | Industrial/Organizational psychology | 63,623 | 44,187 | 0.22 | 0.05 | 0.20 | 830 |
| | Other psychology | 58,615 | 40,413 | 0.12 | 0.02 | 0.65 | 2,690 |
| | Social Work | 54,272 | 42,471 | 0.03 | 0.02 | 0.95 | 4,070 |
| | Social psychology | 59,519 | 34,943 | 0.11 | 0.03 | 0.38 | 1,500 |

*Note:* The table presents the statistics of the disaggregated BA fields of study. Column 1 presents 19 aggregated BA fields that are constructed from 144 disaggregated BA fields. For each disaggregated field, columns 2-8 present its field name, mean and standard deviation of earnings, its coefficient and standard error from a disaggregated additive earnings regression, percentage in the sample, and cell counts. The reference category of the disaggregated additive earnings regression is elementary teacher education. Disaggregated BA fields with less than 10 observations are removed from the table. See notes for Table A1.

Table A3: Aggregation of advanced fields and degree type: Men

| Aggregated advanced degrees | Disaggregated advanced degree field | Adv.deg. type | Earnings | | Occ prem. | | OLS Earnings prem. | | Perc. in sample | Cell count |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Mean | SD | Mean | SD | Coef | SE | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) |
| Law | Law/prelaw/legal studies | Master | 108,014 | 66,282 | -0.47 | 0.26 | 0.20 | 0.13 | 0.17 | 200 |
| | | Prof | 153,808 | 129,547 | -0.31 | 0.13 | 0.48 | 0.01 | 11.94 | 12,810 |
| MBA | Business, general | Master | 134,407 | 100,428 | -0.44 | 0.25 | 0.30 | 0.02 | 2.84 | 5,290 |
| | | Prof | | | | | | | | |
| | Business administration and management | Master | 126,779 | 103,786 | -0.45 | 0.22 | 0.25 | 0.01 | 11.50 | 20,690 |
| | | Prof | 67,698 | 22,870 | -0.57 | 0.31 | 0.00 | 0.03 | 0.01 | 10 |
| | Business and managerial economics | Master | 122,434 | 101,193 | -0.46 | 0.22 | 0.16 | 0.05 | 0.43 | 650 |
| | | Prof | | | | | | | | |
| | Other business management/administrative services | Master | 111,125 | 107,684 | -0.50 | 0.23 | 0.17 | 0.03 | 1.86 | 3,120 |
| | | Prof | 112,627 | 61,679 | -0.47 | 0.10 | 0.14 | 0.24 | 0.02 | 20 |
| Medicine | Medicine (e.g., dentistry, optometry, osteopathic, podiatry, veterinary) | Master | 142,137 | 110,187 | -0.31 | 0.26 | 0.45 | 0.09 | 0.14 | 320 |
| | | Prof | 206,621 | 154,102 | -0.12 | 0.17 | 0.79 | 0.01 | 10.55 | 17,760 |
| Master's in arts | Dramatic arts | Master | 75,091 | 38,729 | -0.71 | 0.21 | 0.04 | 0.08 | 0.18 | 200 |
| | | Prof | | | | | | | | |
| | Fine arts, all fields | Master | 69,682 | 44,900 | -0.73 | 0.22 | -0.10 | 0.05 | 0.50 | 490 |
| | | Prof | | | | | | | | |
| | Music, all fields | Master | 65,960 | 72,732 | -0.80 | 0.22 | -0.05 | 0.05 | 0.49 | 480 |
| | Other visual and performing arts | Master | 93,307 | 105,705 | -0.72 | 0.25 | 0.07 | 0.11 | 0.22 | 240 |
| Master's in biological/ agricultural/ environmental life sciences | Animal sciences | Master | 53,941 | 33,795 | -0.78 | 0.26 | -0.06 | 0.07 | 0.06 | 280 |
| | Biochemistry and biophysics | Master | 81,641 | 61,452 | -0.65 | 0.21 | 0.02 | 0.07 | 0.11 | 550 |
| | Biology, general | Master | 70,288 | 37,495 | -0.71 | 0.22 | -0.10 | 0.04 | 0.45 | 1,580 |
| | Botany | Master | 58,797 | 26,422 | -0.71 | 0.21 | -0.17 | 0.06 | 0.04 | 210 |
| | Cell and molecular biology | Master | 63,097 | 46,446 | -0.72 | 0.18 | -0.10 | 0.05 | 0.07 | 410 |
| | Ecology | Master | 72,082 | 49,842 | -0.68 | 0.21 | -0.12 | 0.05 | 0.12 | 580 |
| | Environmental science or studies | Master | 79,778 | 38,224 | -0.59 | 0.21 | 0.03 | 0.04 | 0.25 | 1,150 |
| | | Prof | | | | | | | | |
| | Food sciences and technology | Master | 99,725 | 70,128 | -0.59 | 0.21 | 0.23 | 0.08 | 0.08 | 360 |
| | Forestry sciences | Master | 74,059 | 33,705 | -0.71 | 0.26 | -0.08 | 0.09 | 0.13 | 610 |
| | Genetics, animal and plant | Master | 81,748 | 45,532 | -0.65 | 0.23 | 0.03 | 0.09 | 0.06 | 190 |
| | Microbiological sciences and immunology | Master | 82,405 | 49,334 | -0.67 | 0.20 | 0.01 | 0.07 | 0.12 | 550 |
| | Nutritional sciences | Master | 60,134 | 33,663 | -0.68 | 0.25 | -0.18 | 0.16 | 0.02 | 60 |
| | Other agricultural sciences | Master | 69,667 | 30,687 | -0.73 | 0.20 | -0.03 | 0.06 | 0.14 | 520 |
| | Other biological sciences | Master | 82,174 | 67,980 | -0.63 | 0.26 | 0.05 | 0.04 | 0.21 | 970 |
| | | Prof | | | | | | | | |
| | Other conservation and natural resources | Master | 75,340 | 35,586 | -0.68 | 0.18 | -0.03 | 0.04 | 0.15 | 650 |
| | Pharmacology, human and animal | Master | 93,046 | 36,471 | -0.57 | 0.19 | 0.13 | 0.07 | 0.03 | 140 |
| | Physiology and pathology, human and animal | Master | 70,967 | 48,427 | -0.63 | 0.23 | -0.18 | 0.17 | 0.10 | 340 |
| | Plant sciences | Master | 61,650 | 45,063 | -0.72 | 0.20 | -0.11 | 0.06 | 0.18 | 760 |
| | Zoology, general | Master | 74,665 | 47,734 | -0.68 | 0.21 | -0.08 | 0.07 | 0.11 | 490 |

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| Aggregated advanced degrees | Disaggregated advanced degree field | Adv.deg. type | Earnings | | Occ prem. | | OLS Earnings prem. | | Perc. in sample | Cell count |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Mean | SD | Mean | SD | Coef | SE | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) |
| Master's in business-related fields | Accounting | Master | 135,336 | 116,285 | -0.44 | 0.19 | 0.28 | 0.04 | 1.37 | 1,360 |
| | | Prof | | | | | | | | |
| | Actuarial science | Master | 203,586 | 225,494 | -0.23 | 0.21 | 0.53 | 0.14 | 0.03 | 70 |
| | Agricultural economics | Master | 105,324 | 71,666 | -0.50 | 0.22 | 0.27 | 0.07 | 0.22 | 480 |
| | Business marketing/marketing management | Master | 135,844 | 118,740 | -0.44 | 0.22 | 0.30 | 0.04 | 1.46 | 2,160 |
| | Financial management | Master | 152,760 | 142,711 | -0.42 | 0.19 | 0.37 | 0.02 | 4.83 | 6,810 |
| | | Prof | 161,917 | 68,053 | -0.38 | 0.12 | 0.64 | 0.09 | 0.03 | 20 |
| | Marketing research | Master | 115,226 | 70,580 | -0.46 | 0.20 | 0.20 | 0.06 | 0.34 | 390 |
| | Other agricultural business and production | Master | 79,462 | 46,041 | -0.73 | 0.33 | 0.02 | 0.14 | 0.10 | 160 |
| Master's in computer and mathematical sciences | Applied mathematics | Master | 101,251 | 61,539 | -0.52 | 0.25 | 0.15 | 0.04 | 0.17 | 760 |
| | Computer and information sciences, general | Master | 102,851 | 49,486 | -0.47 | 0.16 | 0.19 | 0.02 | 0.74 | 2,470 |
| | Computer programming | Master | 104,678 | 48,536 | -0.44 | 0.14 | 0.19 | 0.06 | 0.11 | 330 |
| | Computer science | Master | 108,730 | 62,287 | -0.43 | 0.13 | 0.21 | 0.01 | 2.69 | 10,310 |
| | | Prof | | | | | | | | |
| | Computer systems analysis | Master | 111,942 | 48,886 | -0.46 | 0.16 | 0.21 | 0.05 | 0.22 | 640 |
| | Data processing | Master | 103,695 | 52,955 | -0.47 | 0.09 | 0.07 | 0.19 | 0.02 | 100 |
| | | Prof | | | | | | | | |
| | Information services and systems | Master | 108,000 | 57,924 | -0.46 | 0.15 | 0.23 | 0.03 | 0.65 | 2,250 |
| | Mathematics, general | Master | 86,416 | 55,054 | -0.61 | 0.25 | 0.00 | 0.03 | 0.58 | 2,050 |
| | Other computer and information sciences | Master | 119,815 | 88,483 | -0.49 | 0.15 | 0.29 | 0.06 | 0.25 | 960 |
| | Other mathematics | Master | 115,479 | 85,386 | -0.49 | 0.18 | 0.18 | 0.07 | 0.06 | 210 |
| | Operations research | Master | 116,126 | 55,521 | -0.45 | 0.18 | 0.22 | 0.03 | 0.40 | 1,260 |
| | | Prof | | | | | | | | |
| | Statistics | Master | 93,472 | 48,709 | -0.50 | 0.20 | 0.12 | 0.04 | 0.24 | 1,350 |
| Master's in education fields | Computer teacher education | Master | 70,344 | 19,076 | -0.73 | 0.18 | -0.03 | 0.06 | 0.10 | 170 |
| | Counselor education and guidance | Master | 70,939 | 34,936 | -0.79 | 0.23 | -0.01 | 0.02 | 0.94 | 1,230 |
| | Education administration | Master | 81,802 | 39,486 | -0.66 | 0.24 | 0.10 | 0.02 | 3.08 | 3,160 |
| | | Prof | | | | | | | | |
| | Educational psychology | Master | 70,215 | 30,509 | -0.77 | 0.25 | -0.02 | 0.04 | 0.51 | 790 |
| | Elementary teacher education | Master | 70,812 | 50,029 | -0.79 | 0.19 | -0.05 | 0.04 | 0.60 | 580 |
| | | Prof | | | | | | | | |
| | Mathematics teacher education | Master | 74,502 | 34,611 | -0.77 | 0.19 | -0.05 | 0.05 | 0.41 | 670 |
| | | Prof | | | | | | | | |
| | Other education | Master | 72,187 | 33,444 | -0.75 | 0.22 | -0.02 | 0.02 | 2.05 | 2,390 |
| | | Prof | 109,847 | 77,577 | -0.71 | 0.44 | 0.13 | 0.44 | 0.02 | 20 |
| | Physical education and coaching | Master | 67,156 | 29,136 | -0.77 | 0.19 | -0.04 | 0.03 | 0.49 | 460 |
| | | Prof | | | | | | | | |
| | Pre-school/kindergarten/early childhood teacher education | Master | 59,093 | 19,594 | -0.78 | 0.25 | -0.15 | 0.12 | 0.04 | 40 |
| | Science teacher education | Master | 65,646 | 29,486 | -0.81 | 0.17 | -0.17 | 0.05 | 0.36 | 650 |
| | | Prof | | | | | | | | |
| | Secondary teacher education | Master | 70,787 | 46,803 | -0.78 | 0.20 | -0.06 | 0.02 | 1.45 | 1,790 |
| | | Prof | | | | | | | | |
| | Social science teacher education | Master | 71,045 | 27,593 | -0.81 | 0.19 | -0.05 | 0.04 | 0.26 | 360 |
| | Special education | Master | 77,274 | 40,254 | -0.77 | 0.20 | 0.08 | 0.03 | 0.70 | 680 |
| | | Prof | | | | | | | | |

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| Aggregated advanced degrees | Disaggregated advanced degree field | Adv.deg. type | Earnings | | Occ prem. | | OLS Earnings prem. | | Perc. in sample | Cell count |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Mean | SD | Mean | SD | Coef | SE | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) |
| Master's in engineering | Aerospace, aeronautical, astronautical/space engineering | Master | 104,215 | 48,361 | -0.44 | 0.20 | 0.13 | 0.03 | 0.45 | 3,800 |
| | Agricultural engineering | Master | 82,472 | 42,585 | -0.51 | 0.21 | 0.03 | 0.05 | 0.06 | 290 |
| | Architectural engineering | Master | 102,838 | 88,249 | -0.52 | 0.17 | 0.05 | 0.06 | 0.07 | 350 |
| | Bioengineering and biomedical engineering | Master | 96,196 | 77,545 | -0.58 | 0.23 | 0.08 | 0.06 | 0.11 | 860 |
| | Chemical engineering | Master | 114,708 | 61,126 | -0.34 | 0.16 | 0.14 | 0.03 | 0.47 | 3,760 |
| | Civil engineering | Master | 100,514 | 69,777 | -0.42 | 0.14 | 0.09 | 0.01 | 1.35 | 8,950 |
| | Computer and systems engineering | Master | 116,980 | 55,689 | -0.41 | 0.12 | 0.23 | 0.01 | 1.06 | 5,500 |
| | Electrical, electronics and communications engineering | Master | 112,013 | 67,986 | -0.39 | 0.13 | 0.19 | 0.01 | 2.97 | 16,980 |
| | Engineering, general | Master | 108,001 | 65,054 | -0.41 | 0.18 | 0.13 | 0.05 | 0.15 | 870 |
| | Engineering sciences, mechanics and physics | Master | 115,792 | 74,431 | -0.43 | 0.14 | 0.19 | 0.04 | 0.16 | 900 |
| | Environmental engineering | Master | 101,101 | 43,365 | -0.40 | 0.13 | 0.13 | 0.02 | 0.39 | 2,160 |
| | Geophysical and geological engineering | Master | 102,600 | 52,830 | -0.42 | 0.18 | 0.06 | 0.05 | 0.04 | 310 |
| | Industrial and manufacturing engineering | Master | 101,892 | 54,291 | -0.45 | 0.15 | 0.16 | 0.02 | 0.53 | 3,930 |
| | Materials engineering, including ceramic and textile sciences | Master | 96,501 | 40,024 | -0.43 | 0.13 | 0.12 | 0.04 | 0.21 | 1,180 |
| | Mechanical engineering | Master | 100,129 | 53,166 | -0.44 | 0.14 | 0.10 | 0.01 | 1.57 | 11,000 |
| | Metallurgical engineering | Master | 107,417 | 39,611 | -0.43 | 0.15 | 0.15 | 0.07 | 0.09 | 450 |
| | Mining and minerals engineering | Master | 102,492 | 32,566 | -0.29 | 0.32 | 0.14 | 0.09 | 0.03 | 140 |
| | Naval architecture and marine engineering | Master | 101,916 | 40,981 | -0.42 | 0.12 | 0.07 | 0.08 | 0.03 | 200 |
| | Nuclear engineering | Master | 109,988 | 43,353 | -0.41 | 0.13 | 0.14 | 0.03 | 0.12 | 700 |
| | Other engineering | Master | 100,311 | 39,938 | -0.43 | 0.15 | 0.13 | 0.02 | 0.56 | 3,110 |
| | Petroleum engineering | Master | 150,943 | 124,169 | -0.19 | 0.26 | 0.29 | 0.08 | 0.06 | 280 |
| Master's in health services admin | Health services administration | Master<br>Prof | 110,512 | 76,732 | -0.44 | 0.24 | 0.28 | 0.04 | 0.63 | 1,010 |
| Master's in health-related fields | Audiology and speech pathology | Master<br>Prof | 86,290 | 54,155 | -0.57 | 0.17 | 0.14 | 0.09 | 0.11 | 230 |
| | Health/medical assistants | Master<br>Prof | 95,615 | 25,849 | -0.53 | 0.18 | 0.33 | 0.08 | 0.09 | 170 |
| | Health/medical technologies | Master<br>Prof | 113,756 | 106,261 | -0.64 | 0.24 | 0.21 | 0.12 | 0.04 | 130 |
| | Medical preparatory programs (e.g., pre-dentistry, pre-medical, pre-veterinary) | Master<br>Prof | 167,840<br>168,972 | 104,052<br>75,616 | -0.39<br>-0.10 | 0.46<br>0.15 | 0.54<br>0.74 | 0.28<br>0.07 | 0.00<br>0.09 | 20<br>190 |
| | Other health/medical sciences | Master<br>Prof | 92,075<br>166,548 | 95,591<br>128,642 | -0.64<br>-0.14 | 0.27<br>0.17 | 0.09<br>0.61 | 0.06<br>0.10 | 0.30<br>0.09 | 640<br>150 |
| | Pharmacy | Master<br>Prof | 115,290<br>132,061 | 50,453<br>71,920 | -0.48<br>-0.50 | 0.20<br>0.11 | 0.21<br>0.54 | 0.11<br>0.05 | 0.07<br>0.28 | 210<br>460 |
| | Physical therapy and other rehabilitation/therapeutic services | Master<br>Prof | 79,700<br>97,077 | 37,812<br>82,994 | -0.60<br>-0.48 | 0.20<br>0.20 | 0.10<br>0.44 | 0.04<br>0.08 | 0.52<br>0.03 | 940<br>40 |
| | Public health (including environmental health and epidemiology) | Master<br>Prof | 87,907 | 72,092 | -0.58 | 0.22 | 0.13 | 0.04 | 0.37 | 960 |

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| Aggregated advanced degrees | Disaggregated advanced degree field | Adv.deg. type | Earnings | | Occ prem. | | OLS Earnings prem. | | Perc. in sample | Cell count |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Mean | SD | Mean | SD | Coef | SE | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) |
| Master's in humanity fields | English Language, literature and letters | Master | 72,650 | 54,307 | -0.76 | 0.23 | -0.08 | 0.04 | 0.50 | 630 |
| | | Prof | | | | | | | | |
| | History, other | Master | 81,343 | 78,645 | -0.73 | 0.28 | -0.06 | 0.04 | 0.68 | 740 |
| | | Prof | 111,007 | 40,688 | -0.34 | 0.17 | 0.33 | 0.08 | 0.07 | 40 |
| | Liberal arts/general studies | Master | 73,432 | 35,297 | -0.76 | 0.29 | -0.03 | 0.06 | 0.17 | 220 |
| | | Prof | | | | | | | | |
| | Linguistics | Master | 63,168 | 27,469 | -0.77 | 0.17 | -0.10 | 0.07 | 0.07 | 140 |
| | Other foreign languages and literature | Master | 86,135 | 76,766 | -0.73 | 0.26 | -0.00 | 0.08 | 0.24 | 330 |
| | | Prof | | | | | | | | |
| | Other philosophy, religion, theology | Master | 55,783 | 36,667 | -0.97 | 0.29 | -0.29 | 0.02 | 2.19 | 2,110 |
| | | Prof | 52,820 | 36,035 | -1.02 | 0.26 | -0.45 | 0.09 | 0.20 | 160 |
| Master's in other non-science and engineering fields | Communications, general | Master | 81,828 | 51,634 | -0.62 | 0.24 | 0.04 | 0.08 | 0.22 | 350 |
| | | Prof | | | | | | | | |
| | Criminal justice/protective services | Master | 84,764 | 86,010 | -0.64 | 0.28 | 0.11 | 0.05 | 0.40 | 510 |
| | | Prof | 140,239 | 105,353 | -0.32 | 0.08 | 0.58 | 0.14 | 0.05 | 30 |
| | Journalism | Master | 92,154 | 60,006 | -0.67 | 0.20 | 0.08 | 0.06 | 0.19 | 210 |
| | Library science | Master | 66,400 | 27,621 | -0.79 | 0.24 | -0.12 | 0.04 | 0.40 | 400 |
| | Non-Science & Engineering (suppressed) | Master | | | | | | | | |
| | Other communication | Master | 86,170 | 49,132 | -0.60 | 0.28 | 0.05 | 0.08 | 0.27 | 360 |
| | Parks, recreation, leisure, and fitness studies | Master | 68,798 | 29,905 | -0.68 | 0.22 | -0.03 | 0.05 | 0.37 | 380 |
| Master's in nursing | Nursing (4 years or longer program) | Master | 139,404 | 58,733 | -0.46 | 0.15 | 0.55 | 0.04 | 0.38 | 690 |
| Master's in physical and related sciences | Astronomy and astrophysics | Master | 82,639 | 73,377 | -0.50 | 0.19 | -0.07 | 0.15 | 0.02 | 170 |
| | Atmospheric sciences and meteorology | Master | 88,894 | 44,900 | -0.47 | 0.13 | 0.08 | 0.06 | 0.09 | 620 |
| | Chemistry, except biochemistry | Master | 82,620 | 52,153 | -0.60 | 0.19 | 0.01 | 0.04 | 0.51 | 3,270 |
| | Earth sciences | Master | 75,002 | 30,171 | -0.73 | 0.17 | 0.02 | 0.04 | 0.08 | 350 |
| | Geological sciences, other | Master | 93,410 | 47,306 | -0.52 | 0.18 | 0.12 | 0.05 | 0.11 | 670 |
| | Geology | Master | 92,455 | 55,223 | -0.58 | 0.20 | 0.10 | 0.03 | 0.42 | 2,540 |
| | Other physical sciences | Master | 80,925 | 34,011 | -0.64 | 0.28 | 0.05 | 0.05 | 0.08 | 310 |
| | Oceanography | Master | 97,589 | 142,619 | -0.52 | 0.21 | -0.02 | 0.11 | 0.03 | 150 |
| | Physics, except biophysics | Master | 95,604 | 60,646 | -0.50 | 0.19 | 0.04 | 0.03 | 0.49 | 3,080 |
| | | Prof | | | | | | | | |
| | Science, unclassified | Master | 72,958 | 26,995 | -0.68 | 0.21 | -0.13 | 0.05 | 0.03 | 150 |

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| Aggregated advanced degrees | Disaggregated advanced degree field | Adv.deg. type | Earnings | | Occ prem. | | OLS Earnings prem. | | Perc. in sample | Cell count |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Mean | SD | Mean | SD | Coef | SE | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) |
| Master's in psychology and social work | Clinical psychology | Master | 77,242 | 52,919 | -0.66 | 0.28 | 0.01 | 0.06 | 0.28 | 690 |
| | | Prof | 82,448 | 31,405 | -0.72 | 0.22 | 0.08 | 0.15 | 0.01 | 40 |
| | Counseling psychology | Master | 66,507 | 34,739 | -0.77 | 0.29 | -0.10 | 0.03 | 0.88 | 1,940 |
| | | Prof | | | | | | | | |
| | Experimental psychology | Master | 69,449 | 49,933 | -0.69 | 0.21 | -0.23 | 0.20 | 0.07 | 200 |
| | | Prof | | | | | | | | |
| | General psychology | Master | 73,223 | 43,454 | -0.64 | 0.25 | 0.01 | 0.05 | 0.31 | 710 |
| | | Prof | 111,090 | 48,368 | -0.69 | 0.36 | 0.23 | 0.32 | 0.01 | 10 |
| | Industrial/Organizational psychology | Master | 99,156 | 85,545 | -0.53 | 0.20 | 0.27 | 0.06 | 0.20 | 380 |
| | Other psychology | Master | 71,417 | 37,122 | -0.73 | 0.22 | -0.04 | 0.05 | 0.23 | 580 |
| | Social Work | Master | 73,058 | 33,196 | -0.74 | 0.28 | 0.01 | 0.03 | 0.99 | 1,960 |
| | | Prof | 129,648 | 62,616 | -0.46 | 0.27 | 0.44 | 0.15 | 0.01 | 20 |
| | Social psychology | Master | 85,448 | 44,626 | -0.76 | 0.33 | 0.11 | 0.14 | 0.05 | 100 |
| | | Prof | | | | | | | | |
| Master's in public admin | Other public affairs | Master | 69,616 | 36,604 | -0.68 | 0.29 | -0.13 | 0.10 | 0.09 | 180 |
| | Public administration | Master | 94,429 | 46,644 | -0.49 | 0.26 | 0.15 | 0.03 | 1.43 | 2,030 |
| Master's in other science and engineering -related fields | Architecture/environmental design | Master | 93,979 | 71,602 | -0.56 | 0.21 | 0.07 | 0.03 | 1.34 | 2,220 |
| | | Prof | 89,188 | 58,615 | -0.63 | 0.11 | 0.03 | 0.14 | 0.01 | 20 |
| | Electrical and electronics technologies | Master | 103,113 | 47,805 | -0.45 | 0.17 | 0.17 | 0.09 | 0.14 | 440 |
| | | Prof | 92,999 | 28,795 | -0.46 | 0.20 | 0.22 | 0.09 | 0.00 | 10 |
| | Industrial production technologies | Master | 84,485 | 42,437 | -0.58 | 0.29 | -0.07 | 0.07 | 0.13 | 320 |
| | Mechanical engineering-related technologies | Master | 112,056 | 42,615 | -0.48 | 0.25 | 0.18 | 0.08 | 0.15 | 450 |
| | | Prof | | | | | | | | |
| | Other engineering-related technologies | Master | 107,318 | 78,427 | -0.49 | 0.19 | 0.17 | 0.04 | 0.26 | 800 |
| | | Prof | | | | | | | | |
| Master's in other social and related sciences | Anthropology and archaeology | Master | 68,061 | 45,616 | -0.69 | 0.21 | -0.07 | 0.07 | 0.10 | 560 |
| | Area and ethnic studies | Master | 65,854 | 38,814 | -0.76 | 0.23 | -0.16 | 0.14 | 0.11 | 340 |
| | Criminology | Master | 78,170 | 34,273 | -0.69 | 0.26 | 0.15 | 0.08 | 0.10 | 280 |
| | Economics | Master | 116,941 | 101,565 | -0.47 | 0.22 | 0.18 | 0.04 | 0.73 | 2,770 |
| | Geography | Master | 80,222 | 44,495 | -0.60 | 0.25 | 0.02 | 0.06 | 0.28 | 830 |
| | History of science | Master | 75,760 | 36,488 | -0.65 | 0.20 | -0.10 | 0.18 | 0.03 | 40 |
| | Home Economics | Master | 62,951 | 33,818 | -0.53 | 0.28 | -0.31 | 0.21 | 0.02 | 80 |
| | International relations | Master | 111,639 | 84,759 | -0.55 | 0.29 | 0.27 | 0.07 | 0.36 | 1,140 |
| | Other social sciences | Master | 66,700 | 34,229 | -0.69 | 0.24 | -0.12 | 0.06 | 0.24 | 720 |
| | Philosophy of science | Master | 41,540 | 19,825 | -0.81 | 0.29 | -0.47 | 0.09 | 0.02 | 40 |
| | Political science and government | Master | 91,319 | 71,069 | -0.61 | 0.26 | 0.04 | 0.04 | 0.57 | 1,330 |
| | Public policy studies | Master | 114,268 | 94,989 | -0.48 | 0.26 | 0.29 | 0.05 | 0.26 | 1,040 |
| | Sociology | Master | 74,745 | 57,802 | -0.69 | 0.26 | -0.02 | 0.04 | 0.34 | 1,060 |

*Note:* The table present statistics for disaggregated advanced degrees for men. See the notes to Table A1.

Table A4: Aggregation of BA fields: Men

| Aggregated BA major | Disaggregated BA major | Earnings | | BA earnings prem. | | Perc. in sample | Cell count |
|---|---|---|---|---|---|---|---|
| | | Mean | SD | Mean | SE | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) |
| Biological/ agricultural/ environmental sciences | Animal sciences | 75,754 | 56,215 | -0.06 | 0.04 | 0.38 | 2,510 |
| | Biochemistry and biophysics | 140,314 | 140,518 | 0.25 | 0.04 | 0.41 | 3,260 |
| | Biology, general | 120,319 | 114,420 | 0.14 | 0.03 | 2.95 | 19,650 |
| | Botany | 69,299 | 47,676 | -0.10 | 0.10 | 0.04 | 330 |
| | Cell and molecular biology | 137,936 | 175,270 | 0.25 | 0.08 | 0.13 | 1,010 |
| | Ecology | 83,168 | 97,232 | 0.08 | 0.07 | 0.16 | 1,400 |
| | Environmental science or studies | 69,024 | 55,025 | 0.05 | 0.04 | 0.33 | 3,270 |
| | Food sciences and technology | 83,239 | 50,873 | 0.23 | 0.05 | 0.08 | 800 |
| | Forestry sciences | 77,364 | 56,548 | 0.08 | 0.04 | 0.30 | 3,120 |
| | Genetics, animal and plant | 97,839 | 69,016 | 0.10 | 0.07 | 0.02 | 210 |
| | Microbiological sciences and immunology | 130,316 | 159,595 | 0.19 | 0.06 | 0.20 | 1,740 |
| | Nutritional sciences | 97,316 | 90,238 | 0.08 | 0.08 | 0.03 | 180 |
| | Other agricultural sciences | 70,056 | 40,363 | 0.02 | 0.04 | 0.30 | 2,090 |
| | Other biological sciences | 99,098 | 98,678 | 0.14 | 0.04 | 0.27 | 2,130 |
| | Other conservation and natural resources | 68,934 | 36,839 | 0.01 | 0.04 | 0.19 | 1,930 |
| | Pharmacology, human and animal | 112,892 | 131,492 | 0.30 | 0.09 | 0.02 | 190 |
| | Physiology and pathology, human and animal | 103,260 | 83,716 | 0.21 | 0.04 | 0.14 | 910 |
| | Plant sciences | 68,165 | 60,367 | 0.00 | 0.04 | 0.37 | 2,890 |
| | Environmental Sciences (suppressed) | | | | | | |
| | Zoology, general | 130,529 | 115,712 | 0.14 | 0.04 | 0.42 | 2,710 |
| Business | Accounting | 111,049 | 101,750 | 0.40 | 0.03 | 4.99 | 11,840 |
| | Actuarial science | 139,676 | 107,840 | 0.73 | 0.06 | 0.10 | 470 |
| | Agricultural economics | 84,275 | 62,419 | 0.19 | 0.04 | 0.90 | 2,260 |
| | Business, general | 94,187 | 81,187 | 0.23 | 0.03 | 2.50 | 6,710 |
| | Business administration and management | 93,638 | 81,251 | 0.25 | 0.03 | 6.14 | 17,280 |
| | Business and managerial economics | 106,057 | 89,269 | 0.36 | 0.03 | 0.99 | 2,900 |
| | Financial management | 118,139 | 119,460 | 0.43 | 0.03 | 2.80 | 7,300 |
| | Other agricultural business and production | 66,724 | 49,493 | -0.02 | 0.05 | 0.31 | 1,020 |
| | Other business management/administrative services | 90,289 | 65,787 | 0.27 | 0.03 | 1.53 | 4,890 |
| Communications/ Journalism | Communications, general | 82,218 | 95,746 | 0.13 | 0.04 | 1.05 | 2,780 |
| | Journalism | 84,663 | 71,700 | 0.18 | 0.04 | 0.81 | 2,010 |
| | Other communication | 80,176 | 59,776 | 0.15 | 0.04 | 0.59 | 1,670 |
| Computer and mathematical sciences | Applied mathematics | 105,072 | 89,886 | 0.36 | 0.04 | 0.38 | 3,350 |
| | Computer and information sciences, general | 87,838 | 50,090 | 0.36 | 0.03 | 0.89 | 7,060 |
| | Computer science | 97,858 | 61,961 | 0.44 | 0.03 | 3.37 | 31,520 |
| | Computer systems analysis | 89,930 | 55,619 | 0.38 | 0.04 | 0.15 | 1,290 |
| | Information services and systems | 86,833 | 54,898 | 0.33 | 0.03 | 0.77 | 6,160 |
| | Mathematics, general | 95,147 | 77,794 | 0.25 | 0.03 | 1.74 | 13,950 |
| | Other computer and information sciences | 66,069 | 36,358 | 0.11 | 0.04 | 0.22 | 1,480 |
| | Other mathematics | 91,590 | 51,723 | 0.30 | 0.04 | 0.14 | 1,100 |
| | Operations research | 97,779 | 66,996 | 0.41 | 0.05 | 0.10 | 750 |
| | Computer & Info Sci. (suppressed) | | | | | | |
| | Statistics | 104,678 | 68,996 | 0.39 | 0.05 | 0.19 | 1,650 |
| Economics | Economics | 115,478 | 111,454 | 0.41 | 0.03 | 3.93 | 22,560 |

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| Aggregated BA major | Disaggregated BA major | Earnings | | BA earnings prem. | | Perc. in sample | Cell count |
|---|---|---|---|---|---|---|---|
| | | Mean | SD | Mean | SE | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) |
| Education | Computer teacher education | 76,727 | 29,983 | 0.16 | 0.09 | 0.01 | 60 |
| | Counselor education and guidance | 60,199 | 32,754 | -0.06 | 0.09 | 0.03 | 100 |
| | Education administration | 72,598 | 41,338 | 0.03 | 0.06 | 0.04 | 140 |
| | Educational psychology | 76,553 | 46,033 | 0.04 | 0.05 | 0.19 | 500 |
| | Elementary teacher education | 66,491 | 39,663 | 0.00 | | 0.47 | 1,130 |
| | Mathematics teacher education | 67,261 | 31,332 | -0.02 | 0.04 | 0.27 | 990 |
| | Other education | 72,883 | 51,919 | 0.02 | 0.03 | 1.04 | 3,070 |
| | Physical education and coaching | 72,833 | 63,930 | 0.03 | 0.03 | 1.22 | 3,210 |
| | Pre-school/kindergarten/early childhood teacher education | 55,140 | 21,473 | -0.06 | 0.07 | 0.02 | 30 |
| | Science teacher education | 75,543 | 60,646 | 0.01 | 0.05 | 0.29 | 1,150 |
| | Secondary teacher education | 68,099 | 46,072 | -0.01 | 0.03 | 0.61 | 1,770 |
| | Social science teacher education | 73,034 | 56,725 | -0.01 | 0.04 | 0.41 | 1,280 |
| | Special education | 67,374 | 42,198 | 0.01 | 0.04 | 0.12 | 340 |
| Engineering | Aerospace, aeronautical, astronautical/space engineering | 100,490 | 57,220 | 0.41 | 0.03 | 0.67 | 10,650 |
| | Agricultural engineering | 83,302 | 43,904 | 0.27 | 0.04 | 0.15 | 1,770 |
| | Architectural engineering | 94,093 | 68,116 | 0.35 | 0.04 | 0.23 | 2,460 |
| | Bioengineering and biomedical engineering | 122,623 | 137,826 | 0.38 | 0.05 | 0.09 | 1,430 |
| | Chemical engineering | 116,995 | 86,661 | 0.50 | 0.03 | 1.18 | 18,990 |
| | Civil engineering | 98,668 | 70,726 | 0.40 | 0.03 | 2.37 | 34,900 |
| | Computer and systems engineering | 107,150 | 63,994 | 0.54 | 0.03 | 1.01 | 12,950 |
| | Electrical, electronics and communications engineering | 104,051 | 64,101 | 0.46 | 0.03 | 4.71 | 64,880 |
| | Engineering, general | 108,304 | 83,089 | 0.38 | 0.03 | 0.29 | 2,850 |
| | Engineering sciences, mechanics and physics | 98,210 | 73,500 | 0.34 | 0.04 | 0.22 | 2,610 |
| | Environmental engineering | 91,568 | 47,529 | 0.36 | 0.04 | 0.11 | 1,430 |
| | Geophysical and geological engineering | 103,432 | 94,122 | 0.39 | 0.06 | 0.03 | 450 |
| | Industrial and manufacturing engineering | 103,318 | 73,300 | 0.39 | 0.03 | 0.91 | 11,550 |
| | Materials engineering, including ceramic and textile sciences | 89,520 | 48,419 | 0.34 | 0.04 | 0.18 | 2,510 |
| | Mechanical engineering | 100,745 | 62,376 | 0.44 | 0.03 | 3.90 | 57,450 |
| | Metallurgical engineering | 102,557 | 58,907 | 0.34 | 0.04 | 0.15 | 1,820 |
| | Mining and minerals engineering | 99,166 | 78,005 | 0.32 | 0.05 | 0.08 | 870 |
| | Naval architecture and marine engineering | 101,696 | 51,609 | 0.40 | 0.05 | 0.12 | 1,350 |
| | Nuclear engineering | 112,245 | 57,562 | 0.50 | 0.04 | 0.10 | 1,300 |
| | Other engineering | 109,043 | 83,846 | 0.42 | 0.04 | 0.41 | 4,250 |
| | Petroleum engineering | 130,107 | 118,349 | 0.58 | 0.06 | 0.13 | 1,630 |
| English/ Languages/ Literature | English Language, literature and letters | 86,497 | 87,052 | 0.10 | 0.04 | 1.83 | 5,610 |
| | Linguistics | 69,130 | 46,402 | 0.03 | 0.10 | 0.07 | 260 |
| | Other foreign languages and literature | 83,282 | 68,151 | 0.14 | 0.04 | 0.55 | 2,110 |
| Fine/ Performing Arts | Dramatic arts | 74,002 | 56,530 | 0.02 | 0.07 | 0.18 | 500 |
| | Fine arts, all fields | 75,642 | 77,710 | 0.09 | 0.05 | 0.81 | 2,190 |
| | Music, all fields | 70,050 | 87,336 | 0.01 | 0.05 | 0.58 | 1,700 |
| | Other visual and performing arts | 73,988 | 59,665 | 0.10 | 0.04 | 0.76 | 1,880 |
| Health Related Fields | Audiology and speech pathology | 82,267 | 54,873 | 0.14 | 0.08 | 0.04 | 200 |
| | Health/medical assistants | 146,596 | 182,840 | 0.45 | 0.13 | 0.03 | 110 |
| | Health/medical technologies | 81,354 | 52,895 | 0.13 | 0.05 | 0.22 | 1,300 |
| | Medical preparatory programs (e.g., pre-dentistry, pre-medical, pre-veterinary) | 194,239 | 165,932 | 0.25 | 0.04 | 0.55 | 2,590 |
| | Medicine (e.g., dentistry, optometry, osteopathic, podiatry, veterinary) | 182,855 | 185,465 | 0.27 | 0.07 | 0.24 | 1,170 |
| | Other health/medical sciences | 91,506 | 83,548 | 0.18 | 0.05 | 0.23 | 1,160 |
| | Pharmacy | 116,428 | 67,294 | 0.47 | 0.04 | 0.50 | 2,180 |
| | Physical therapy and other rehabilitation/therapeutic services | 80,539 | 60,639 | 0.14 | 0.05 | 0.31 | 1,280 |
| | Public health (including environmental health and epidemiology) | 77,150 | 42,954 | 0.07 | 0.05 | 0.14 | 690 |

....continued

| Aggregated BA major | Disaggregated BA major | Earnings | | BA earnings prem. | | Perc. in sample | Cell count |
|---|---|---|---|---|---|---|---|
| | | Mean | SD | Mean | SE | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) |
| Marketing | Business marketing/marketing management | 100,206 | 85,042 | 0.35 | 0.03 | 2.65 | 6,300 |
| | Marketing research | 85,957 | 73,205 | 0.23 | 0.05 | 0.25 | 560 |
| Nursing | Nursing (4 years or longer program) | 89,460 | 55,969 | 0.28 | 0.04 | 0.54 | 2,240 |
| Other Humanities | History, other | 92,415 | 87,584 | 0.14 | 0.03 | 3.69 | 10,980 |
| | Liberal arts/general studies | 94,592 | 94,078 | 0.09 | 0.04 | 0.87 | 3,230 |
| | Other philosophy, religion, theology | 67,149 | 63,774 | -0.08 | 0.04 | 0.91 | 2,580 |
| Other Non-S and E fields | Criminal justice/protective services | 71,732 | 48,788 | 0.11 | 0.03 | 1.11 | 3,260 |
| | Health services administration | 76,726 | 56,867 | 0.11 | 0.06 | 0.18 | 720 |
| | Library science | 47,651 | 17,451 | -0.15 | 0.09 | 0.01 | 20 |
| | Non-Science & Engineering (suppressed) | 96,816 | 63,185 | 0.28 | 0.08 | 0.06 | 250 |
| | Parks, recreation, leisure, and fitness studies | 66,201 | 62,496 | -0.00 | 0.04 | 0.38 | 1,120 |
| Other S and E-Related Fields | Architecture/environmental design | 92,740 | 73,746 | 0.26 | 0.03 | 1.20 | 5,760 |
| | Computer programming | 95,941 | 64,277 | 0.39 | 0.04 | 0.45 | 2,610 |
| | Data processing | 85,070 | 30,871 | 0.32 | 0.06 | 0.05 | 350 |
| | Electrical and electronics technologies | 86,802 | 45,592 | 0.34 | 0.03 | 0.62 | 5,320 |
| | Industrial production technologies | 83,728 | 48,802 | 0.20 | 0.04 | 0.56 | 2,950 |
| | Mechanical engineering-related technologies | 89,668 | 40,239 | 0.35 | 0.03 | 0.44 | 3,480 |
| | Other engineering-related technologies | 91,200 | 67,181 | 0.30 | 0.04 | 0.49 | 2,950 |
| | All Science & Engineering (suppressed) | 114,218 | 57,684 | 0.46 | 0.23 | 0.01 | 40 |
| Other Social and related sciences | Anthropology and archaeology | 74,467 | 80,695 | -0.02 | 0.05 | 0.23 | 1,770 |
| | Area and ethnic studies | 92,640 | 117,778 | 0.12 | 0.07 | 0.15 | 1,120 |
| | Criminology | 68,805 | 35,392 | 0.12 | 0.04 | 0.30 | 1,450 |
| | Geography | 73,273 | 53,144 | 0.09 | 0.04 | 0.45 | 3,030 |
| | History of science | 93,160 | 75,372 | 0.12 | 0.07 | 0.09 | 400 |
| | Home Economics | 79,797 | 73,305 | 0.13 | 0.09 | 0.05 | 280 |
| | International relations | 93,772 | 81,295 | 0.27 | 0.04 | 0.31 | 1,960 |
| | Other social sciences | 75,510 | 64,047 | 0.11 | 0.04 | 0.56 | 2,960 |
| | Philosophy of science | 101,666 | 94,736 | 0.22 | 0.05 | 0.19 | 930 |
| | Public policy studies | 87,067 | 76,666 | 0.07 | 0.08 | 0.05 | 320 |
| | Sociology | 76,522 | 67,383 | 0.09 | 0.03 | 1.73 | 9,160 |
| Physical and related sciences | Astronomy and astrophysics | 63,748 | 43,365 | -0.02 | 0.10 | 0.02 | 220 |
| | Atmospheric sciences and meteorology | 78,841 | 43,850 | 0.17 | 0.04 | 0.07 | 1,510 |
| | Chemistry, except biochemistry | 110,983 | 93,207 | 0.21 | 0.03 | 2.00 | 21,490 |
| | Earth sciences | 67,486 | 37,881 | 0.06 | 0.07 | 0.09 | 1,130 |
| | Geological sciences, other | 86,377 | 80,372 | 0.22 | 0.06 | 0.05 | 890 |
| | Geology | 87,865 | 70,216 | 0.18 | 0.03 | 0.60 | 8,360 |
| | Other physical sciences | 92,056 | 64,311 | 0.13 | 0.05 | 0.18 | 1,530 |
| | Oceanography | 75,349 | 40,314 | 0.06 | 0.13 | 0.03 | 290 |
| | Physics, except biophysics | 99,053 | 73,818 | 0.29 | 0.03 | 0.90 | 12,520 |
| | Physical & Related Sci (suppressed) | | | | | | |
| | Science, unclassified | 87,732 | 51,602 | 0.24 | 0.05 | 0.11 | 860 |
| Political science | Law/prelaw/legal studies | 100,003 | 99,140 | 0.16 | 0.05 | 0.17 | 940 |
| | Other public affairs | 105,134 | 64,693 | 0.29 | 0.17 | 0.04 | 150 |
| | Political science and government | 106,347 | 100,724 | 0.24 | 0.03 | 3.84 | 19,020 |
| | Public administration | 107,969 | 105,474 | 0.28 | 0.07 | 0.15 | 750 |
| Psychology or Social Work | Clinical psychology | 84,870 | 87,164 | 0.05 | 0.05 | 0.23 | 1,170 |
| | Counseling psychology | 69,509 | 39,903 | -0.02 | 0.05 | 0.16 | 850 |
| | Experimental psychology | 102,748 | 103,125 | 0.19 | 0.06 | 0.13 | 760 |
| | General psychology | 78,158 | 71,863 | 0.08 | 0.03 | 1.84 | 9,220 |
| | Industrial/Organizational psychology | 95,788 | 60,249 | 0.25 | 0.06 | 0.11 | 630 |
| | Other psychology | 92,126 | 73,800 | 0.13 | 0.04 | 0.26 | 1,380 |
| | Social Work | 65,175 | 34,068 | -0.04 | 0.06 | 0.18 | 950 |
| | Social psychology | 79,708 | 49,555 | 0.11 | 0.06 | 0.14 | 810 |

*Note:* The table repeats the statistics presented in Table A2 for men.

Table A5: Summary statistics of the control variables

| | Male | Female |
|---|---|---|
| | (1) | (2) |
| Panel A: Gender composition of the regression sample | | |
| Sample composition | 58.240 | 41.760 |
| Panel B: Father's Education | | |
| Less than high school | 14.370 | 14.013 |
| High school diploma | 27.539 | 26.868 |
| Associate degree | 17.588 | 20.105 |
| College Degree | 21.471 | 20.065 |
| Masters degree (incl. MBA) | 6.456 | 6.980 |
| Professional degree | 10.414 | 9.864 |
| Doctorate | 2.160 | 2.105 |
| Panel C: Mother's Education | | |
| Less than high school | 11.782 | 11.554 |
| High school diploma | 38.733 | 33.954 |
| Associate degree | 20.646 | 24.734 |
| College Degree | 18.793 | 18.503 |
| Masters degree (incl. MBA) | 5.091 | 6.255 |
| Professional degree | 4.270 | 4.330 |
| Doctorate | 0.606 | 0.613 |
| Missing | 0.081 | 0.057 |
| Panel D: Race and Ethnicity | | |
| Asian | 6.758 | 6.913 |
| Black, Hispanic | 0.151 | 0.268 |
| Black, Non-Hispanic | 4.682 | 8.752 |
| Native American | 0.580 | 0.728 |
| White, Hispanic | 3.788 | 4.796 |
| White, Non-Hispanic | 82.787 | 76.815 |
| Other | 1.253 | 1.727 |

*Note:* Weighted summary statistics for demographic controls for the regression sample, by gender. The values are percentages.

Table A6: Distribution of time gaps between educational experience and earnings observation

| | Time from BA completion to pre-Adv obs. | Time from pre-Adv obs. To Adv. Completion | Time from Adv completion to post Adv obs. | Time from BA to Adv completion | Time from Adv completion to post Adv obs. (for individuals with pre and post Adv observations) | Time from BA to Adv completion (for individuals with pre and post Adv observations) |
|---|---|---|---|---|---|---|
| | (1) | (2) | (3) | (4) | (5) | (6) |
| **Panel A: Men + Women** | | | | | | |
| 5th quantile | 1 | 1 | 1 | 1 | 1 | 3 |
| 10th quantile | 1 | 2 | 2 | 2 | 1 | 4 |
| 25th quantile | 2 | 2 | 4 | 3 | 1 | 5 |
| Mean | 5.52 | 3.12 | 11.46 | 5.40 | 2.25 | 8.42 |
| Median | 4 | 3 | 9 | 4 | 2 | 7 |
| 75th quantile | 8 | 4 | 18 | 7 | 3 | 11 |
| 90th quantile | 12 | 5 | 25 | 11 | 4 | 15 |
| 95th quantile | 14 | 6 | 28 | 14 | 5 | 17 |
| count | 9,820 | 9,770 | 388,270 | 398,040 | 9,350 | 19,120 |
| **Panel B: Men** | | | | | | |
| 5th quantile | 1 | 1 | 1 | 1 | 1 | 3 |
| 10th quantile | 1 | 2 | 2 | 2 | 1 | 4 |
| 25th quantile | 2 | 2 | 5 | 3 | 1 | 5 |
| Mean | 5.69 | 3.16 | 12.41 | 5.34 | 2.27 | 8.63 |
| Median | 5 | 3 | 11 | 4 | 2 | 8 |
| 75th quantile | 8 | 4 | 19 | 7 | 3 | 11 |
| 90th quantile | 12 | 5 | 26 | 11 | 4 | 15 |
| 95th quantile | 14 | 6 | 29 | 14 | 5 | 17 |
| count | 5,450 | 5,420 | 232,690 | 238,110 | 5,310 | 10,730 |
| **Panel C: Women** | | | | | | |
| 5th quantile | 1 | 1 | 1 | 1 | 1 | 3 |
| 10th quantile | 1 | 2 | 2 | 2 | 1 | 4 |
| 25th quantile | 2 | 2 | 3 | 3 | 1 | 5 |
| Mean | 5.32 | 3.07 | 10.04 | 5.48 | 2.23 | 8.15 |
| Median | 4 | 3 | 8 | 4 | 2 | 7 |
| 75th quantile | 7 | 4 | 15 | 7 | 3 | 10 |
| 90th quantile | 11 | 5 | 22 | 11 | 4 | 14 |
| 95th quantile | 14 | 6 | 27 | 14 | 5 | 17 |
| count | 4,370 | 4,350 | 155,580 | 159,930 | 4,040 | 8,390 |

*Note:* Unweighted summary statistics of the time gaps reported for the regression sample. Panel A shows the statistics of the full sample including men and women. Panels B and C show the statistics of men and women samples separately. Columns 3-4 are estimated from the graduate degree sample, which excludes people never are observed with a graduate degree. Columns 1, 2, 5, and 6 are estimated from a more-restricted subsample in which the individuals are observed working full time before they obtain the advanced degree. Our sample selection rules impose a minimum of 1 for the time gap variables in columns 1-5. Column 2 excludes about 50 pre advanced earnings observations on individuals for whom we dropped post advanced observations because they were reinterviewed only because of occupation. See footnote 12. Unweighted cell counts are rounded to the nearest 10.

Table A7: Age distribution of the earnings observations

| | Full sample | Individuals without Adv. Degree | Individuals with Adv. Degree in the future | Individuals with advanced degree |
|---|---|---|---|---|
| | (1) | (2) | (3) | (4) |
| Panel A: Men+Women | | | | |
| count | 1,020,640 | 622,560 | 9,820 | 388,270 |
| 1st quantile | 23 | 23 | 23 | 25 |
| 10th quantile | 26 | 26 | 24 | 28 |
| 25th quantile | 30 | 29 | 25 | 32 |
| Mean | 38.82 | 38.44 | 29.29 | 39.68 |
| Median | 38 | 37 | 28 | 39 |
| 75th quantile | 47 | 47 | 32 | 47 |
| 90th quantile | 53 | 53 | 37 | 54 |
| 99th quantile | 59 | 59 | 46 | 59 |
| Panel B: Men | | | | |
| count | 642,550 | 404,420 | 5,450 | 232,690 |
| 1st quantile | 23 | 23 | 23 | 25 |
| 10th quantile | 27 | 26 | 24 | 28 |
| 25th quantile | 31 | 30 | 25 | 32 |
| Mean | 39.54 | 39.12 | 29.43 | 40.50 |
| Median | 39 | 38 | 28 | 40 |
| 75th quantile | 47 | 47 | 32 | 48 |
| 90th quantile | 54 | 54 | 37 | 54 |
| 99th quantile | 59 | 59 | 45 | 59 |
| Panel C: Women | | | | |
| count | 378,090 | 218,130 | 4,370 | 155,590 |
| 1st quantile | 23 | 23 | 23 | 24 |
| 10th quantile | 26 | 25 | 23 | 27 |
| 25th quantile | 29 | 28 | 25 | 31 |
| Mean | 37.61 | 37.17 | 29.12 | 38.46 |
| Median | 36 | 35 | 27 | 37 |
| 75th quantile | 45 | 45 | 32 | 46 |
| 90th quantile | 52 | 52 | 38 | 53 |
| 99th quantile | 58 | 59 | 46 | 59 |

*Note:* Unweighted summary statistics of individual age are reported for the additive OLS regression sample. Panel A shows the statistics of the pooled sample of men and women. Panels B and C show the statistics of men and women samples separately. Observations based on the survey report of earnings and annual earnings in the previous year are both included. Column 4 is estimated from the graduate degree sample. Column 3 is estimated from the more restricted subsample of individuals who are observed working full time before they obtain an advanced degree. Unweighted cell counts are rounded to the nearest 10.

Table A8: FEcg estimates of effects of advanced degrees by gender: graduate sample

| | ln(earnings) | | Occ.Prem. | | ln(hourly wage) | | ln(annual hours) | |
|---|---|---|---|---|---|---|---|---|
| | Female | Male | Female | Male | Female | Male | Female | Male |
| | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) |
| Medicine | .548 | .464 | .539 | .495 | .334 | .235 | .229 | .285 |
| | (.118) | (.102) | (.088) | (.052) | (.082) | (.088) | (.025) | (.039) |
| Law | .525 | .415 | .350 | .351 | .445 | .322 | .087 | .112 |
| | (.070) | (.088) | (.044) | (.049) | (.066) | (.059) | (.021) | (.016) |
| Master's in business-related fields | .248 | .153 | .016 | .046 | .176 | .109 | .020 | .062 |
| | (.068) | (.050) | (.022) | (.015) | (.06) | (.032) | (.020) | (.012) |
| MBA | .145 | .097 | .026 | .006 | .126 | .060 | .026 | .047 |
| | (.037) | (.022) | (.015) | (.008) | (.031) | (.022) | (.011) | (.007) |
| Master's in nursing | .208 | .565 | .030 | .066 | .175 | .878 | .006 | -.190 |
| | (.039) | (.106) | (.011) | (.034) | (.034) | (.132) | (.024) | (.054) |
| Master's in engineering | .054 | .123 | -.009 | .025 | .052 | .080 | .034 | .025 |
| | (.039) | (.020) | (.015) | (.011) | (.036) | (.021) | (.013) | (.008) |
| Master's in health services administration | .296 | .201 | .085 | .126 | .284 | .135 | .028 | .103 |
| | (.087) | (.129) | (.038) | (.059) | (.079) | (.136) | (.026) | (.033) |
| Master's in computer and mathematical sciences | .232 | .151 | .031 | .016 | .163 | .155 | .019 | .026 |
| | (.062) | (.034) | (.019) | (.013) | (.063) | (.036) | (.020) | (.011) |
| Master's in public administration | .160 | .173 | .009 | .100 | .113 | .266 | .012 | -.009 |
| | (.062) | (.069) | (.055) | (.051) | (.055) | (.082) | (.020) | (.025) |
| Master's in other science and engineering-related fields | .024 | -.056 | .164 | -.001 | 0.000 | .002 | -.012 | .006 |
| | (.088) | (.051) | (.088) | (.038) | (.089) | (.05) | (.032) | (.035) |
| Master's in physical and related sciences | .114 | .173 | .014 | -.040 | -.003 | .178 | .072 | .030 |
| | (.072) | (.066) | (.024) | (.025) | (.087) | (.063) | (.023) | (.020) |
| Master's in health-related fields | .350 | .066 | .110 | .144 | .331 | .133 | .021 | .069 |
| | (.056) | (.070) | (.022) | (.048) | (.046) | (.062) | (.017) | (.033) |
| Master's in other social and related sciences | .150 | .084 | .071 | .065 | .180 | .071 | .013 | -.031 |
| | (.072) | (.091) | (.027) | (.046) | (.08) | (.072) | (.024) | (.030) |
| Master's in other non-science and engineering fields | .135 | .113 | -.040 | .035 | .029 | .101 | -.008 | .008 |
| | (.069) | (.096) | (.035) | (.037) | (.063) | (.102) | (.022) | (.025) |
| Master's in biological/agricultural/ environmental/life sciences | .164 | .138 | -.005 | .045 | .103 | .079 | .025 | .023 |
| | (.065) | (.068) | (.025) | (.023) | (.060) | (.078) | (.024) | (.026) |
| Master's in education fields | .199 | .096 | .013 | .057 | .164 | .105 | .017 | .002 |
| | (.021) | (.030) | (.008) | (.010) | (.021) | (.033) | (.009) | (.015) |
| Master's in psychology and social work | .194 | .148 | .015 | .018 | .169 | .168 | .029 | .003 |
| | (.030) | (.062) | (.018) | (.03) | (.035) | (.056) | (.012) | (.022) |
| Master's in humanity fields | .121 | -.033 | -.048 | -.060 | .148 | -.090 | .018 | .039 |
| | (.066) | (.093) | (.031) | (.034) | (.064) | (.069) | (.023) | (.026) |
| Master's in arts | -.010 | -.094 | .081 | -.016 | .077 | -.107 | -.017 | .083 |
| | (.074) | (.105) | (.085) | (.043) | (.084) | (.112) | (.034) | (.048) |

*Note:* The table reports FEcg estimates of the effects advanced degrees for each dependent variable and gender. The sample is restricted to full time workers who eventually get an advanced degree. The sample for the log of annual hours only uses the current year observation. Sample weights are used. Standard errors are clustered by person. The dependent variable is log earnings in 2013 dollars. The 4 dependent variables are the log of earnings, occupational premiun, log of hourly wage rate, and log of annual hours. For each dependent variable, the column on the left is for women and the column on the right is for men. The regressions include dummies for each BA field (OLS only) and each advanced degree, as well as race/Hispanic, parental education, the year, a cubic in age, and interactions between a cubic in age and BA field. The age polynomials and the year dummies control for linear birth cohort trend and partially control for nonlinear birth cohort effects. The ln(earnings), occupational premium, and ln(hourly wage) samples have 377,835 and 641,263 observations for females and males, respectively. The ln(annual hours) samples have 196,376 females and 334,648 males, respectively.

Table A9: Internal Rate of Return to Advanced Degrees by Gender: public institution with zero earnings when enrolled, FEcg

| | Female | | | | Male | | | |
|---|---|---|---|---|---|---|---|---|
| | PDV actual | PDV counter-factual | %Gain in PDV | IRR | PDV actual | PDV counter-factual | %Gain in PDV | IRR |
| | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) |
| Medicine | 1.54 | 1.12 | 37.01 | 0.15 | 2.18 | 1.25 | 73.61 | 0.22 |
| | [0.03] | [0.12] | [17.63] | [0.03] | [0.03] | [0.10] | [13.60] | [0.02] |
| Law | 1.37 | 0.94 | 45.07 | 0.18 | 1.71 | 1.21 | 41.93 | 0.19 |
| | [0.03] | [0.05] | [6.65] | [0.02] | [0.03] | [0.09] | [9.99] | [0.03] |
| Master's in business-related fields | 1.31 | 1.11 | 18.11 | 0.16 | 1.75 | 1.53 | 14.01 | 0.14 |
| | [0.04] | [0.06] | [6.89] | [0.03] | [0.03] | [0.10] | [7.88] | [0.04] |
| MBA | 1.24 | 1.17 | 6.58 | 0.09 | 1.59 | 1.51 | 5.43 | 0.09 |
| | [0.02] | [0.04] | [3.42] | [0.02] | [0.02] | [0.03] | [2.15] | [0.01] |
| Master's in nursing | 1.26 | 1.22 | 3.79 | 0.08 | 1.90 | 1.25 | 52.03 | 0.31 |
| | [0.02] | [0.04] | [3.88] | [0.02] | [0.07] | [0.15] | [19.57] | [0.08] |
| Master's in engineering | 1.38 | 1.34 | 3.01 | 0.09 | 1.66 | 1.48 | 12.35 | 0.20 |
| | [0.02] | [0.05] | [3.99] | [0.07†] | [0.01] | [0.03] | [2.22] | [0.02] |
| Master's in health services administration | 1.17 | 0.97 | 19.80 | 0.16 | 1.45 | 1.26 | 14.70 | 0.14 |
| | [0.04] | [0.11] | [12.96] | [0.08†] | [0.07] | [0.13] | [11.89] | [0.10†] |
| Master's in computer and mathematical sciences | 1.23 | 1.03 | 19.55 | 0.26 | 1.60 | 1.42 | 13.11 | 0.21 |
| | [0.02] | [0.07] | [8.81] | [0.08] | [0.02] | [0.05] | [4.03] | [0.04] |
| Master's in public administration | 1.04 | 0.97 | 7.03 | 0.10 | 1.27 | 1.13 | 12.68 | 0.13 |
| | [0.04] | [0.06] | [6.35] | [0.05†] | [0.04] | [0.07] | [6.87] | [0.07†] |
| Master's in other science and engineering-related fields | 1.08 | 1.09 | -0.28 | 0.05 | 1.34 | 1.43 | -6.24 | -0.40 |
| | [0.04] | [0.09] | [8.43] | [0.24†] | [0.03] | [0.08] | [5.26] | [0.21†] |
| Master's in physical and related sciences | 1.02 | 0.92 | 10.91 | 0.18 | 1.26 | 1.01 | 24.88 | 0.32 |
| | [0.03] | [0.06] | [7.80] | [0.08] | [0.03] | [0.07] | [9.21] | [0.08] |
| Master's in health-related fields | 1.05 | 0.83 | 26.41 | 0.19 | 1.39 | 1.33 | 4.44 | 0.08 |
| | [0.02] | [0.05] | [7.38] | [0.03] | [0.04] | [0.10] | [7.32] | [0.10†] |
| Master's in other social and related sciences | 1.00 | 0.89 | 12.05 | 0.19 | 1.27 | 1.16 | 9.71 | 0.17 |
| | [0.02] | [0.06] | [7.93] | [0.08] | [0.03] | [0.09] | [9.73] | [0.11†] |
| Master's in other non-science and engineering fields | 0.93 | 0.83 | 11.51 | 0.18 | 1.13 | 1.00 | 13.04 | 0.21 |
| | [0.02] | [0.07] | [9.98] | [0.11†] | [0.04] | [0.10] | [11.48] | [0.16†] |
| Master's in biological/agricultural/ environmental/life sciences | 0.94 | 0.81 | 15.75 | 0.22 | 1.05 | 0.84 | 24.87 | 0.31 |
| | [0.01] | [0.05] | [6.80] | [0.07] | [0.02] | [0.05] | [7.30] | [0.06] |
| Master's in education fields | 0.92 | 0.78 | 17.70 | 0.24 | 1.07 | 0.97 | 10.26 | 0.17 |
| | [0.01] | [0.02] | [2.37] | [0.02] | [0.01] | [0.03] | [3.06] | [0.03] |
| Master's in psychology and social work | 0.84 | 0.78 | 8.72 | 0.10 | 1.00 | 0.90 | 10.81 | 0.12 |
| | [0.01] | [0.03] | [3.67] | [0.02] | [0.02] | [0.05] | [6.51] | [0.03] |
| Master's in humanity fields | 0.83 | 0.76 | 8.66 | 0.15 | 0.87 | 0.91 | -3.71 | -0.04 |
| | [0.02] | [0.05] | [6.98] | [0.12†] | [0.03] | [0.08] | [8.04] | [0.22†] |
| Master's in arts | 0.77 | 0.88 | -13.05 | -0.40 | 0.94 | 1.12 | -16.54 | -0.40 |
| | [0.04] | [0.08] | [8.62] | [0.21†] | [0.04] | [0.13] | [9.85] | [0.22†] |

*Note:* This table reports the same statistics as Table 7 for the earnings model (3), which excludes post-advanced degree experience regression coefficients. The regressions specifications are in Table 2, column 1 for female and column 5 for male.

Table A10: Internal Rate of Return to Advanced Degrees by Gender: public institution with zero earnings when enrolled, OLS

| | Female | | | | Male | | | |
|---|---|---|---|---|---|---|---|---|
| | PDV actual | PDV counter-factual | %Gain in PDV | IRR | PDV actual | PDV counter-factual | %Gain in PDV | IRR |
| | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) |
| Medicine | 1.53 | 0.93 | 65.06 | 0.19 | 2.18 | 1.19 | 83.43 | 0.23 |
| | [0.03] | [0.01] | [3.63] | [0.01] | [0.03] | [0.01] | [2.76] | [0.00] |
| Law | 1.36 | 0.92 | 48.13 | 0.19 | 1.73 | 1.25 | 38.46 | 0.18 |
| | [0.03] | [0.01] | [3.40] | [0.01] | [0.03] | [0.01] | [2.49] | [0.01] |
| Master's in business-related fields | 1.29 | 0.99 | 30.13 | 0.21 | 1.74 | 1.35 | 29.35 | 0.22 |
| | [0.04] | [0.01] | [3.53] | [0.02] | [0.03] | [0.01] | [2.25] | [0.01] |
| MBA | 1.23 | 0.99 | 24.77 | 0.18 | 1.58 | 1.36 | 16.53 | 0.15 |
| | [0.02] | [0.01] | [2.37] | [0.01] | [0.02] | [0.01] | [1.35] | [0.01] |
| Master's in nursing | 1.26 | 1.08 | 17.22 | 0.15 | 1.90 | 1.21 | 57.07 | 0.33 |
| | [0.02] | [0.01] | [1.84] | [0.01] | [0.07] | [0.03] | [6.30] | [0.03] |
| Master's in engineering | 1.37 | 1.19 | 15.03 | 0.22 | 1.66 | 1.50 | 10.69 | 0.18 |
| | [0.02] | [0.02] | [2.06] | [0.02] | [0.01] | [0.01] | [0.74] | [0.01] |
| Master's in health services administration | 1.16 | 0.95 | 21.91 | 0.17 | 1.45 | 1.21 | 20.47 | 0.17 |
| | [0.04] | [0.01] | [4.07] | [0.02] | [0.07] | [0.02] | [6.47] | [0.03] |
| Master's in computer and mathematical sciences | 1.23 | 1.04 | 18.64 | 0.25 | 1.61 | 1.38 | 16.17 | 0.24 |
| | [0.02] | [0.01] | [2.18] | [0.02] | [0.02] | [0.01] | [1.32] | [0.01] |
| Master's in public administration | 1.04 | 0.91 | 14.12 | 0.14 | 1.27 | 1.23 | 3.68 | 0.08 |
| | [0.04] | [0.01] | [4.39] | [0.02] | [0.04] | [0.01] | [3.42] | [0.03] |
| Master's in other science and engineering-related fields | 1.07 | 0.99 | 8.43 | 0.15 | 1.34 | 1.30 | 2.93 | 0.09 |
| | [0.04] | [0.02] | [4.37] | [0.06†] | [0.03] | [0.02] | [2.41] | [0.04] |
| Master's in physical and related sciences | 1.03 | 0.96 | 6.82 | 0.14 | 1.26 | 1.25 | 0.41 | 0.06 |
| | [0.03] | [0.02] | [3.37] | [0.04] | [0.03] | [0.01] | [2.13] | [0.03] |
| Master's in health-related fields | 1.04 | 0.92 | 12.37 | 0.12 | 1.38 | 1.19 | 16.19 | 0.15 |
| | [0.02] | [0.01] | [1.88] | [0.01] | [0.03] | [0.01] | [2.93] | [0.02] |
| Master's in other social and related sciences | 1.00 | 0.90 | 11.19 | 0.18 | 1.27 | 1.23 | 3.61 | 0.10 |
| | [0.02] | [0.01] | [2.21] | [0.02] | [0.03] | [0.01] | [2.65] | [0.04] |
| Master's in other non-science and engineering fields | 0.93 | 0.88 | 5.03 | 0.11 | 1.14 | 1.17 | -2.59 | -0.00 |
| | [0.02] | [0.01] | [2.41] | [0.03] | [0.04] | [0.01] | [3.12] | [0.17†] |
| Master's in biological/agricultural/ environmental/life sciences | 0.93 | 0.91 | 2.17 | 0.08 | 1.05 | 1.16 | -9.44 | -0.40 |
| | [0.01] | [0.01] | [1.57] | [0.02] | [0.02] | [0.01] | [1.96] | [0.12†] |
| Master's in education fields | 0.92 | 0.84 | 9.87 | 0.17 | 1.08 | 1.13 | -4.66 | -0.40 |
| | [0.01] | [0.01] | [1.14] | [0.01] | [0.01] | [0.01] | [1.26] | [0.05†] |
| Master's in psychology and social work | 0.84 | 0.85 | -1.15 | 0.04 | 1.00 | 1.12 | -11.01 | -0.40 |
| | [0.01] | [0.01] | [1.17] | [0.01] | [0.02] | [0.01] | [1.72] | [0.14†] |
| Master's in humanity fields | 0.84 | 0.88 | -4.55 | -0.06 | 0.88 | 1.15 | -23.60 | -0.40 |
| | [0.02] | [0.01] | [2.20] | [0.09†] | [0.03] | [0.01] | [2.09] | [0.00†] |
| Master's in arts | 0.78 | 0.84 | -7.86 | -0.03 | 0.93 | 1.08 | -13.69 | -0.40 |
| | [0.04] | [0.01] | [4.44] | [0.19†] | [0.04] | [0.03] | [4.00] | [0.13†] |

*Note:* This table reports the same statistics as Table 8 for earnings model (1), which excludes post graduate degree experience coefficients.

Table A11: Internal Rate of Return to Advanced Degrees by Gender: public institution with estimated earnings when enrolled, FEcg with post-adv experience

| | Female | | | | Male | | | |
|---|---|---|---|---|---|---|---|---|
| | PDV actual | PDV counter-factual | %Gain in PDV | IRR | PDV actual | PDV counter-factual | %Gain in PDV | IRR |
| | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) |
| Medicine | 1.56 | 1.10 | 41.78 | 0.12 | 2.04 | 1.21 | 68.58 | 0.17 |
| | [0.04] | [0.13] | [19.14] | [0.03] | [0.03] | [0.10] | [13.07] | [0.02] |
| Law | 1.38 | 0.92 | 50.44 | 0.18 | 1.69 | 1.19 | 41.78 | 0.18 |
| | [0.03] | [0.05] | [7.00] | [0.02] | [0.03] | [0.09] | [9.89] | [0.03] |
| Master's in business-related fields | 1.37 | 1.09 | 25.54 | 0.22 | 1.81 | 1.51 | 20.13 | 0.22 |
| | [0.04] | [0.06] | [7.19] | [0.06] | [0.03] | [0.09] | [8.06] | [0.22†] |
| MBA | 1.35 | 1.14 | 18.09 | 0.20 | 1.68 | 1.48 | 13.81 | 0.21 |
| | [0.03] | [0.04] | [3.72] | [0.06] | [0.02] | [0.03] | [2.24] | [0.04] |
| Master's in nursing | 1.33 | 1.21 | 9.21 | 0.17 | 1.96 | 1.24 | 58.39 | 0.43 |
| | [0.02] | [0.04] | [4.06] | [0.06] | [0.11] | [0.15] | [22.00] | [0.18†] |
| Master's in engineering | 1.42 | 1.29 | 10.47 | 0.12 | 1.68 | 1.45 | 15.69 | 0.23 |
| | [0.02] | [0.05] | [4.23] | [0.04] | [0.01] | [0.03] | [2.18] | [0.06] |
| Master's in health services administration | 1.25 | 0.96 | 30.06 | 0.29 | 1.53 | 1.24 | 23.72 | 0.30 |
| | [0.04] | [0.12] | [14.18] | [0.19†] | [0.07] | [0.12] | [12.32] | [0.21†] |
| Master's in computer and mathematical sciences | 1.23 | 1.02 | 21.12 | 0.25 | 1.62 | 1.40 | 16.09 | 0.25 |
| | [0.02] | [0.07] | [8.83] | [0.26†] | [0.02] | [0.05] | [4.25] | [0.10] |
| Master's in public administration | 1.09 | 0.95 | 15.07 | 0.15 | 1.33 | 1.11 | 19.77 | 0.22 |
| | [0.04] | [0.05] | [6.83] | [0.07†] | [0.04] | [0.07] | [7.03] | [0.10†] |
| Master's in other science and engineering-related fields | 1.03 | 1.04 | -0.94 | 0.05 | 1.28 | 1.41 | -9.24 | -0.01 |
| | [0.04] | [0.09] | [8.58] | [0.05] | [0.03] | [0.08] | [5.39] | [0.04] |
| Master's in physical and related sciences | 1.03 | 0.90 | 14.33 | 0.13 | 1.23 | 0.97 | 26.40 | 0.23 |
| | [0.03] | [0.06] | [7.71] | [0.05] | [0.02] | [0.06] | [9.01] | [0.22†] |
| Master's in health-related fields | 1.04 | 0.81 | 27.95 | 0.23 | 1.40 | 1.29 | 7.80 | 0.09 |
| | [0.02] | [0.05] | [7.53] | [0.05] | [0.04] | [0.09] | [7.54] | [0.06†] |
| Master's in other social and related sciences | 0.99 | 0.87 | 13.14 | 0.13 | 1.25 | 1.13 | 10.37 | 0.14 |
| | [0.02] | [0.06] | [7.96] | [0.07] | [0.03] | [0.09] | [9.54] | [0.14†] |
| Master's in other non-science and engineering fields | 0.92 | 0.81 | 14.39 | 0.16 | 1.15 | 0.98 | 17.08 | 0.50 |
| | [0.02] | [0.06] | [10.01] | [0.21†] | [0.04] | [0.10] | [12.07] | [0.34†] |
| Master's in biological/agricultural/ environmental/life sciences | 0.93 | 0.78 | 19.61 | 0.19 | 1.03 | 0.81 | 26.80 | 0.20 |
| | [0.01] | [0.05] | [6.80] | [0.09] | [0.02] | [0.05] | [7.28] | [0.06] |
| Master's in education fields | 0.92 | 0.76 | 20.61 | 0.31 | 1.07 | 0.95 | 12.52 | 0.20 |
| | [0.01] | [0.01] | [2.35] | [0.06] | [0.01] | [0.03] | [3.05] | [0.08] |
| Master's in psychology and social work | 0.88 | 0.76 | 15.76 | 0.14 | 1.03 | 0.89 | 15.98 | 0.15 |
| | [0.01] | [0.02] | [3.88] | [0.03] | [0.02] | [0.05] | [6.59] | [0.05] |
| Master's in humanity fields | 0.82 | 0.75 | 10.06 | 0.13 | 0.87 | 0.89 | -2.64 | 0.02 |
| | [0.02] | [0.05] | [6.92] | [0.09†] | [0.02] | [0.07] | [7.86] | [0.13†] |
| Master's in arts | 0.78 | 0.86 | -8.61 | -0.02 | 0.94 | 1.08 | -12.73 | -0.04 |
| | [0.04] | [0.08] | [10.22] | [0.22†] | [0.04] | [0.13] | [12.52] | [0.14†] |

*Note:* This table reports the same statistics as Table 7 without the full-time enrollment assumption.

Table A12: Internal Rate of Return to Advanced Degrees by Gender: public institution with estimated earnings when enrolled, OLS with post-adv experience

| | Female | | | | Male | | | |
|---|---|---|---|---|---|---|---|---|
| | PDV actual | PDV counter-factual | %Gain in PDV | IRR | PDV actual | PDV counter-factual | %Gain in PDV | IRR |
| | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) |
| Medicine | 1.55 | 0.92 | 67.84 | 0.16 | 2.04 | 1.20 | 70.77 | 0.17 |
| | [0.04] | [0.01] | [3.74] | [0.00] | [0.03] | [0.01] | [2.62] | [0.01] |
| Law | 1.38 | 0.92 | 50.07 | 0.18 | 1.70 | 1.25 | 35.51 | 0.16 |
| | [0.03] | [0.01] | [3.41] | [0.01] | [0.03] | [0.01] | [2.45] | [0.01] |
| Master's in business-related fields | 1.35 | 0.99 | 36.50 | 0.30 | 1.81 | 1.35 | 33.62 | 0.39 |
| | [0.04] | [0.01] | [3.70] | [0.06] | [0.03] | [0.01] | [2.16] | [0.25†] |
| MBA | 1.34 | 0.99 | 35.34 | 0.50 | 1.68 | 1.37 | 22.79 | 0.35 |
| | [0.03] | [0.01] | [2.41] | [0.21†] | [0.02] | [0.01] | [1.29] | [0.05] |
| Master's in nursing | 1.33 | 1.08 | 23.16 | 0.33 | 1.97 | 1.22 | 61.91 | 0.45 |
| | [0.02] | [0.01] | [1.86] | [0.05] | [0.11] | [0.03] | [9.47] | [0.11†] |
| Master's in engineering | 1.42 | 1.19 | 19.98 | 0.18 | 1.68 | 1.51 | 11.48 | 0.17 |
| | [0.02] | [0.02] | [2.06] | [0.03] | [0.01] | [0.01] | [0.65] | [0.02] |
| Master's in health services administration | 1.25 | 0.95 | 30.72 | 0.30 | 1.54 | 1.21 | 27.32 | 0.30 |
| | [0.04] | [0.01] | [3.80] | [0.06] | [0.07] | [0.02] | [6.20] | [0.15†] |
| Master's in computer and mathematical sciences | 1.23 | 1.04 | 18.98 | 0.22 | 1.63 | 1.39 | 17.14 | 0.25 |
| | [0.02] | [0.01] | [2.09] | [0.06] | [0.02] | [0.01] | [1.32] | [0.04] |
| Master's in public administration | 1.09 | 0.91 | 20.00 | 0.19 | 1.33 | 1.23 | 7.90 | 0.11 |
| | [0.04] | [0.01] | [4.06] | [0.03] | [0.04] | [0.01] | [3.22] | [0.03] |
| Master's in other science and engineering-related fields | 1.02 | 0.99 | 3.09 | 0.06 | 1.27 | 1.31 | -2.67 | 0.04 |
| | [0.04] | [0.02] | [3.79] | [0.02] | [0.03] | [0.02] | [2.27] | [0.01] |
| Master's in physical and related sciences | 1.03 | 0.96 | 7.51 | 0.09 | 1.23 | 1.26 | -2.33 | 0.04 |
| | [0.03] | [0.01] | [2.99] | [0.02] | [0.02] | [0.01] | [1.74] | [0.01] |
| Master's in health-related fields | 1.03 | 0.92 | 12.02 | 0.14 | 1.39 | 1.20 | 15.72 | 0.13 |
| | [0.02] | [0.01] | [1.95] | [0.01] | [0.03] | [0.01] | [2.84] | [0.01] |
| Master's in other social and related sciences | 0.99 | 0.90 | 10.00 | 0.11 | 1.25 | 1.24 | 1.20 | 0.06 |
| | [0.02] | [0.01] | [2.14] | [0.02] | [0.03] | [0.01] | [2.08] | [0.02] |
| Master's in other non-science and engineering fields | 0.92 | 0.89 | 4.07 | 0.08 | 1.16 | 1.17 | -1.31 | 0.03 |
| | [0.02] | [0.01] | [2.27] | [0.02] | [0.04] | [0.01] | [3.07] | [0.06†] |
| Master's in biological/agricultural/ environmental/life sciences | 0.93 | 0.91 | 2.07 | 0.06 | 1.03 | 1.17 | -12.30 | -0.05 |
| | [0.01] | [0.01] | [1.55] | [0.01] | [0.02] | [0.01] | [1.68] | [0.03] |
| Master's in education fields | 0.93 | 0.84 | 10.30 | 0.15 | 1.08 | 1.14 | -5.11 | -0.00 |
| | [0.01] | [0.01] | [1.02] | [0.01] | [0.01] | [0.01] | [1.11] | [0.02] |
| Master's in psychology and social work | 0.88 | 0.85 | 3.49 | 0.07 | 1.03 | 1.13 | -8.54 | -0.02 |
| | [0.01] | [0.01] | [1.17] | [0.01] | [0.02] | [0.01] | [1.61] | [0.06†] |
| Master's in humanity fields | 0.83 | 0.88 | -5.74 | 0.00 | 0.87 | 1.16 | -24.67 | -0.40 |
| | [0.02] | [0.01] | [2.15] | [0.18†] | [0.02] | [0.01] | [1.88] | [0.05†] |
| Master's in arts | 0.79 | 0.84 | -6.21 | 0.01 | 0.93 | 1.08 | -13.50 | -0.05 |
| | [0.04] | [0.01] | [4.78] | [0.14†] | [0.04] | [0.03] | [3.87] | [0.11†] |

*Note:* This table reports the same statistics as Table 8 with estimated earnings when enrolled.

Table A13: Internal Rate of Return to Advanced Degrees by Gender: private institution with zero earnings when enrolled, FEcg with post-adv experience

| | Female | | | | Male | | | |
|---|---|---|---|---|---|---|---|---|
| | PDV actual | PDV counter-factual | %Gain in PDV | IRR | PDV actual | PDV counter-factual | %Gain in PDV | IRR |
| | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) |
| Medicine | 1.47 | 1.10 | 33.67 | 0.10 | 1.94 | 1.21 | 60.54 | 0.13 |
| | [0.03] | [0.13] | [18.02] | [0.02] | [0.03] | [0.10] | [12.46] | [0.01] |
| Law | 1.32 | 0.92 | 43.16 | 0.14 | 1.61 | 1.19 | 35.74 | 0.14 |
| | [0.03] | [0.05] | [6.59] | [0.01] | [0.03] | [0.09] | [9.38] | [0.02] |
| Master's in business-related fields | 1.31 | 1.09 | 19.56 | 0.13 | 1.71 | 1.51 | 13.17 | 0.11 |
| | [0.04] | [0.06] | [6.92] | [0.02] | [0.03] | [0.09] | [7.58] | [0.03] |
| MBA | 1.27 | 1.14 | 11.09 | 0.09 | 1.59 | 1.48 | 7.53 | 0.09 |
| | [0.03] | [0.04] | [3.65] | [0.01] | [0.02] | [0.03] | [2.16] | [0.01] |
| Master's in nursing | 1.25 | 1.21 | 2.69 | 0.07 | 1.93 | 1.24 | 56.17 | 0.28 |
| | [0.02] | [0.04] | [3.88] | [0.02] | [0.12] | [0.15] | [22.46] | [0.06] |
| Master's in engineering | 1.44 | 1.29 | 12.08 | 0.12 | 1.67 | 1.45 | 15.06 | 0.16 |
| | [0.03] | [0.05] | [4.35] | [0.02] | [0.01] | [0.03] | [2.23] | [0.01] |
| Master's in health services administration | 1.19 | 0.96 | 23.86 | 0.14 | 1.46 | 1.24 | 17.70 | 0.13 |
| | [0.04] | [0.12] | [13.55] | [0.05] | [0.07] | [0.12] | [12.17] | [0.06†] |
| Master's in computer and mathematical sciences | 1.23 | 1.02 | 21.19 | 0.20 | 1.62 | 1.40 | 15.55 | 0.18 |
| | [0.02] | [0.07] | [8.70] | [0.05] | [0.02] | [0.05] | [4.21] | [0.03] |
| Master's in public administration | 1.04 | 0.95 | 9.19 | 0.09 | 1.26 | 1.11 | 13.69 | 0.10 |
| | [0.04] | [0.05] | [6.60] | [0.04†] | [0.04] | [0.07] | [6.73] | [0.03] |
| Master's in other science and engineering-related fields | 1.10 | 1.04 | 5.80 | 0.08 | 1.31 | 1.41 | -7.16 | 0.01 |
| | [0.04] | [0.09] | [9.09] | [0.05] | [0.03] | [0.08] | [5.46] | [0.04] |
| Master's in physical and related sciences | 1.05 | 0.90 | 16.37 | 0.14 | 1.25 | 0.97 | 28.46 | 0.20 |
| | [0.03] | [0.06] | [7.95] | [0.04] | [0.02] | [0.06] | [9.08] | [0.05] |
| Master's in health-related fields | 1.02 | 0.81 | 25.15 | 0.18 | 1.39 | 1.29 | 7.39 | 0.09 |
| | [0.02] | [0.05] | [7.38] | [0.03] | [0.04] | [0.09] | [7.52] | [0.06†] |
| Master's in other social and related sciences | 1.01 | 0.87 | 16.03 | 0.15 | 1.27 | 1.13 | 11.87 | 0.13 |
| | [0.02] | [0.06] | [8.04] | [0.05] | [0.03] | [0.09] | [9.76] | [0.07] |
| Master's in other non-science and engineering fields | 0.93 | 0.81 | 14.67 | 0.14 | 1.13 | 0.98 | 15.12 | 0.17 |
| | [0.02] | [0.06] | [9.95] | [0.06] | [0.04] | [0.10] | [11.96] | [0.09] |
| Master's in biological/agricultural/ environmental/life sciences | 0.94 | 0.78 | 21.10 | 0.18 | 1.06 | 0.81 | 30.54 | 0.22 |
| | [0.01] | [0.05] | [6.79] | [0.04] | [0.02] | [0.05] | [7.52] | [0.04] |
| Master's in education fields | 0.91 | 0.76 | 19.64 | 0.18 | 1.06 | 0.95 | 11.69 | 0.13 |
| | [0.01] | [0.01] | [2.39] | [0.01] | [0.01] | [0.03] | [3.05] | [0.02] |
| Master's in psychology and social work | 0.85 | 0.76 | 11.33 | 0.09 | 0.99 | 0.89 | 11.19 | 0.09 |
| | [0.01] | [0.02] | [3.74] | [0.01] | [0.02] | [0.05] | [6.36] | [0.02] |
| Master's in humanity fields | 0.83 | 0.75 | 10.89 | 0.12 | 0.87 | 0.89 | -2.32 | 0.03 |
| | [0.02] | [0.05] | [7.15] | [0.06†] | [0.03] | [0.07] | [8.05] | [0.10†] |
| Master's in arts | 0.76 | 0.86 | -11.61 | -0.03 | 0.91 | 1.08 | -15.73 | -0.04 |
| | [0.04] | [0.08] | [9.49] | [0.21†] | [0.04] | [0.13] | [12.06] | [0.13†] |

*Note:* This table reports the same statistics as Table 7 using the tuition rates from private institution.

Table A14: Effect of advanced degrees on job satisfactions, part 1

| | Overall | | Opportunities for Advancement | | Benefit | | Intellectual Challenges | |
|---|---|---|---|---|---|---|---|---|
| | Female | Male | Female | Male | Female | Male | Female | Male |
| | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) |
| Medicine | .571 | .466 | -.053 | 1.16 | -.695 | -.338 | .741 | 1.4 |
| | (.376) | (.346) | (.322) | (.46) | (.731) | (.538) | (.261) | (.537) |
| Law | .327 | -.0374 | .323 | .0352 | .0119 | -.302 | 1.43 | .885 |
| | (.149) | (.434) | (.418) | (.409) | (.262) | (.303) | (.478) | (.356) |
| Master's in business-related fields | .184 | .247 | .276 | .614 | .241 | .185 | -.0592 | .22 |
| | (.344) | (.124) | (.257) | (.222) | (.378) | (.349) | (.287) | (.283) |
| MBA | -.221 | .222 | .114 | -.00367 | -.128 | .0689 | -.247 | .257 |
| | (.128) | (.0902) | (.145) | (.107) | (.168) | (.101) | (.173) | (.11) |
| Master's in nursing | .00781 | -.106 | -.282 | -.724 | -.0626 | .678 | .00454 | -4.65 |
| | (.159) | (.57) | (.223) | (.521) | (.208) | (.426) | (.22) | (.206) |
| Master's in engineering | .0124 | -.147 | -.0551 | .0448 | .0678 | -.34 | .0707 | -.025 |
| | (.184) | (.101) | (.199) | (.144) | (.21) | (.135) | (.205) | (.162) |
| Master's in health services administration | -.351 | -.811 | -.148 | -1.48 | .0398 | .583 | .363 | .384 |
| | (.276) | (.465) | (.391) | (.536) | (.333) | (.261) | (.275) | (.334) |
| Master's in computer and mathematical sciences | .0965 | .0476 | .284 | .0445 | .309 | -.185 | -.0395 | .0683 |
| | (.236) | (.137) | (.122) | (.148) | (.258) | (.188) | (.301) | (.145) |
| Master's in public administration | .0458 | .154 | -.387 | .747 | .306 | .762 | .321 | .996 |
| | (.266) | (.186) | (.332) | (.349) | (.269) | (.373) | (.322) | (.391) |
| Master's in other science and engineering-related fields | .161 | .683 | -.314 | .99 | -.864 | .288 | 1.74 | .404 |
| | (.476) | (.199) | (.672) | (.348) | (.591) | (.347) | (.652) | (.295) |
| Master's in physical and related sciences | -.61 | .0835 | .123 | -.0498 | .255 | -.516 | .156 | -.643 |
| | (.234) | (.366) | (.187) | (.431) | (.23) | (.356) | (.254) | (.334) |
| Master's in health-related fields | .254 | .186 | .223 | .356 | .176 | .359 | .239 | .0757 |
| | (.125) | (.291) | (.165) | (.308) | (.165) | (.315) | (.182) | (.243) |
| Master's in other social and related sciences | -.121 | -.188 | .0172 | .357 | -.109 | -.346 | -.156 | -.159 |
| | (.258) | (.231) | (.232) | (.225) | (.281) | (.231) | (.253) | (.225) |
| Master's in other non-science and engineering fields | .182 | -.639 | .603 | -.134 | .342 | -.619 | .0444 | -.418 |
| | (.169) | (.383) | (.376) | (.354) | (.297) | (.383) | (.441) | (.45) |
| Master's in biological/agricultural/ environmental/life sciences | -.242 | .0993 | .0779 | .859 | -.0968 | .00586 | -.0363 | .589 |
| | (.177) | (.297) | (.195) | (.334) | (.195) | (.301) | (.295) | (.205) |
| Master's in education fields | -.0645 | .0372 | -.199 | -.156 | .0785 | -.199 | -.14 | -.184 |
| | (.0989) | (.142) | (.132) | (.162) | (.111) | (.119) | (.121) | (.167) |
| Master's in psychology and social work | .127 | -.143 | .251 | .0624 | .305 | .727 | .14 | .145 |
| | (.132) | (.224) | (.143) | (.275) | (.166) | (.34) | (.135) | (.38) |
| Master's in humanity fields | -.206 | .567 | -.436 | .175 | .0411 | -.247 | .097 | .558 |
| | (.41) | (.284) | (.399) | (.348) | (.287) | (.313) | (.394) | (.354) |
| Master's in arts | .927 | 1.32 | -.466 | 2.17 | -1.85 | 2.25 | 1.85 | 6.19 |
| | (.316) | (.62) | (.272) | (.845) | (.551) | (.735) | (.358) | (.426) |

*Note:* The table reports estimates of the effect of completing advanced degrees on job satisfaction from various perspective using an ordered Probit regression. Sample weights are used. Standard errors are clustered by person. The dependent variable takes 4 values and in the order of: very satisfied, somewhat satisfied, somewhat dissatisfied, and very dissatisfied. Columns 1-2 report the overall satisfaction, columns 3-4 the satisfaction on opportunities for advancement, columns 5-6 the job benefits, and columns 7-8 the intellectual challenge.

Table A15: Effect of advanced degrees on job satisfactions, part 2

| | Degree of Independence | | Level of Responsibility | | Salary | | Contribution to the Society | |
|---|---|---|---|---|---|---|---|---|
| | Female | Male | Female | Male | Female | Male | Female | Male |
| | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) |
| Medicine | .607 | .791 | 1.2 | .83 | .216 | .764 | .818 | .571 |
| | (.34) | (.54) | (.264) | (.332) | (.138) | (.403) | (.845) | (.376) |
| Law | .421 | .416 | .903 | .883 | .339 | .286 | .25 | -.417 |
| | (.484) | (.356) | (.309) | (.332) | (.428) | (.41) | (.334) | (.331) |
| Master's in business-related fields | -.439 | -.403 | -.0319 | .0685 | .576 | 1.05 | -.222 | -.328 |
| | (.26) | (.227) | (.326) | (.23) | (.288) | (.227) | (.249) | (.299) |
| MBA | -.162 | .252 | -.0238 | .29 | .214 | .167 | -.119 | .303 |
| | (.167) | (.117) | (.173) | (.116) | (.169) | (.119) | (.181) | (.113) |
| Master's in nursing | .196 | -.465 | .138 | -4.8 | .0447 | .0715 | -.0586 | -4.49 |
| | (.181) | (.651) | (.2) | (.246) | (.161) | (.452) | (.222) | (.264) |
| Master's in engineering | .103 | -.038 | -.025 | -.113 | .0104 | -.27 | .0551 | -.00148 |
| | (.2) | (.127) | (.19) | (.131) | (.146) | (.127) | (.184) | (.123) |
| Master's in health services administration | .0854 | .0174 | .269 | -.0421 | -.0888 | .292 | .463 | . |
| | (.268) | (.439) | (.228) | (.443) | (.226) | (.278) | (.391) | (.) |
| Master's in computer and mathematical sciences | .306 | -.0634 | .395 | .0788 | .00636 | .214 | .0648 | .0772 |
| | (.266) | (.187) | (.342) | (.157) | (.222) | (.18) | (.254) | (.125) |
| Master's in public administration | -.234 | .998 | .217 | .54 | .454 | .432 | -.216 | -.0861 |
| | (.272) | (.42) | (.34) | (.265) | (.308) | (.372) | (.429) | (.423) |
| Master's in other science and engineering-related fields | .264 | .464 | .153 | .166 | .392 | -.176 | .867 | .163 |
| | (.452) | (.491) | (.488) | (.326) | (.456) | (.333) | (.26) | (.295) |
| Master's in physical and related sciences | -.495 | -.342 | -.572 | -.338 | .25 | -.123 | .182 | -.441 |
| | (.366) | (.355) | (.431) | (.356) | (.29) | (.471) | (.224) | (.355) |
| Master's in health-related fields | .372 | .797 | .255 | .473 | .263 | -.0104 | .255 | .228 |
| | (.167) | (.537) | (.188) | (.278) | (.136) | (.224) | (.164) | (.358) |
| Master's in other social and related sciences | -.204 | -.219 | .0314 | -.152 | .0442 | -.397 | -.143 | .000571 |
| | (.239) | (.231) | (.173) | (.221) | (.168) | (.271) | (.254) | (.324) |
| Master's in other non-science and engineering fields | -.238 | -.434 | .0297 | -.319 | .576 | -.5 | -.0702 | -.246 |
| | (.324) | (.416) | (.223) | (.447) | (.356) | (.527) | (.387) | (.525) |
| Master's in biological/agricultural/ environmental/life sciences | -.262 | .974 | .229 | .847 | .127 | -.0458 | -.0326 | .578 |
| | (.234) | (.36) | (.26) | (.3) | (.224) | (.314) | (.238) | (.348) |
| Master's in education fields | -.0984 | -.292 | .0866 | -.0769 | .0241 | .177 | -.0382 | -.12 |
| | (.118) | (.191) | (.131) | (.199) | (.0965) | (.155) | (.148) | (.178) |
| Master's in psychology and social work | -.154 | .294 | .281 | -.0843 | .147 | .079 | .235 | .926 |
| | (.184) | (.457) | (.166) | (.344) | (.176) | (.258) | (.17) | (.493) |
| Master's in humanity fields | .091 | .757 | .0438 | .354 | .105 | .191 | .442 | .411 |
| | (.451) | (.46) | (.381) | (.246) | (.213) | (.411) | (.338) | (.338) |
| Master's in arts | .2 | 2.46 | 1.28 | 11.6 | -1.17 | 2.21 | .344 | -.475 |
| | (.497) | (.557) | (.43) | (.395) | (.457) | (.778) | (.286) | (.466) |

*Note:* The table conducts the same regression design as Table A14. Columns 1-2 report the satisfaction on degree of independence, columns 3-4 the level of responsibility, columns 5-6 the salary, and columns 7-8 the contribution to society.