# STEM Training and Early Career Outcomes of Female and Male Graduate Students: Evidence from UMETRICS Data linked to the 2010 Census 

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## Online Appendix

| Data Descriptions | Observations | Notes |
| :---: | :---: | :---: |
| UMETRICSPayroll Records linked to 2010 Census | 3,551,730 | This is the employee file from 4 universities linked to the 2010 Census. There is a record for every payment to every employee. |
| Linked to ProQuest | 11,773 | ProQuest data include all doctoral recipients from the 4 universities. ProQuest files do not include UMET RICS employees who did not obtain doctorates from the university in question (e.g., undergraduates, masters students, post doctoral researchers, faculty, and staff). |
| 2007-2010 Graduating Cohort | 3,837 | Based on ProQuest year of degree. |
| Linked to placement and earnings composite | 2,008 | Not all mat ches have earnings information in every year. |
| Sample Restrictions | 1,237 | Keep those withPIKs; keep only those with STEM dissertation topics; keep those aged 24 to 40; drop students whose main awards do not include faculty members; keep those appearing in UMETRICS after 2000 and before 2010. Drop observations with missing values of analysis variables. These missing values are entirely due to missing demographic information. Some matches to the 2010 Census may have missing demographic information because we are not using imputed or proxy responses. |


| Appendix Table 2. Summary Statistics |  |  |  |  |
| :--- | ---: | ---: | ---: | ---: |
| Females |  | Males |  |  |
|  | Mean | SD | Mean | SD |
| 2010 Census Variables |  |  |  |  |
| White Alone | 0.57 | 0.50 | 0.57 | 0.50 |
| Black Alone | 0.03 | 0.18 | 0.02 | 0.14 |
| Asian Alone | 0.39 | 0.49 | 0.40 | 0.49 |
| Neither White Alone, Black Alone, nor Asian Alone | 0.01 | 0.10 | 0.01 | 0.10 |
| Hispanic | 0.03 | 0.16 | 0.03 | 0.16 |
| Age | 30.40 | 2.90 | 30.42 | 2.93 |
| Married or Partnered | 0.62 | 0.49 | 0.63 | 0.48 |
| Presence of Children Under 17 | 0.19 | 0.39 | 0.24 | 0.43 |
|  |  |  |  |  |
| ProQuest Variables |  |  |  |  |
| Dissertation in Biology, Chemistry, or Health | 0.59 | 0.49 | 0.27 | 0.45 |
| Dissertation in Engineering | 0.21 | 0.41 | 0.45 | 0.50 |
| Dissertation in Computer Science, Math, or Physics | 0.19 | 0.40 | 0.28 | 0.45 |
| Year of Degree | 2008.61 | 1.11 | 2008.72 | 1.07 |
|  |  |  |  |  |
| UMEIRIC S Variables |  |  |  |  |
| First Year in Data | 2005.41 | 1.80 | 2005.49 | 2.04 |
| Left Censored in Data | 0.29 | 0.46 | 0.34 | 0.47 |
| Observations |  |  |  | 867 |

