

Collaboration and Gender in Science: Evidence from STAR METRICS Data

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Abstract

In this paper we examine how the productivity of graduate students relates to: (1) their gender; (2) the gender composition of the team and (3) the gender of the advisor. We focus on graduate students, given the key role that productivity at the time of training plays in subsequent placement outcomes and career trajectories. We examine the role of gender by making use of STAR METRICS data that enables us to construct detailed measures of teams at the project level and which includes data on trainees. The particular dataset is derived from detailed payroll data of an elite U.S. university. It captures longitudinal quarterly data on all individuals (and their occupations) who were paid on federal grants for the period 2000-2012.