

Exercises for chapter 11

The file `Bertrand_Mullainathan_exercises_data.csv` contains data extracted from a widely cited economics article on racial discrimination (Bertrand & Mullainathan, 2004). The authors randomized various characteristics on resumes they sent to potential recruiters and measured the callback rate.

Exercise 1 (Bertrand & Mullainathan) - open. Do Equal Opportunity Employers call back female candidates proportionately more, less, or equally as non-EOE employers, as measured by an 90%-CI? *(if that's too open-ended for you, the next exercise guides you through intermediary steps)*

Exercise 2 (Bertrand & Mullainathan) - guided.

- 1) Visualizing the moderation. Replicate figure 11-3 with the EOE status as the x-variable, the call rate as the y-variable and gender as the group variable. Interpret the figure.
- 2) Measuring the moderation.
 - a) Run a regression of call on gender and EOE status, with a moderation term between them.
 - b) Create the metric function for the regression in a) and then calculate the corresponding 90%-CI.