

Exercise 3

Three years ago under pressure from the Office of Equal Opportunity, the Deer Valley Utility Company opened its management trainee program to women. Some of the women in the program have charged that they are being discriminated against with respect to salary. **In particular, they claim that their job performances are not being rewarded to the same degree as the job performances of men.** They have filed a complaint with the Office of Equal Opportunity.

You are an analyst for the Office of Equal Opportunity. Your job is to determine if there is statistical evidence to support the complaint. You have been able to secure the following data for the 60 persons (22 women and 38 men) who completed the trainee program two years ago and remain employed by the company:

Salary	base salary in thousands of dollars. Fringe benefits are proportional to base salary.
Sex	an indicator variable with the value "1" for men and "0" for women.
Rating	average performance rating over the last two years. The scale has a top score of 100. The company claims that performance rating is the primary factor in the determination of salary.
Credits	number of study credits earned either in college courses or company programs.

To retrieve your data execute:

net install PS813_EX3, from(<https://faculty.polisci.wisc.edu/weimer>)

Then execute PS813_EX3 num, where num is your seed.

Prepare a summary of your findings for the Director of the Office of Equal Opportunity. Include a brief discussion of other factors you might want to investigate before issuing a final report.