PSC 400

SYRACUSE UNIVERSITY

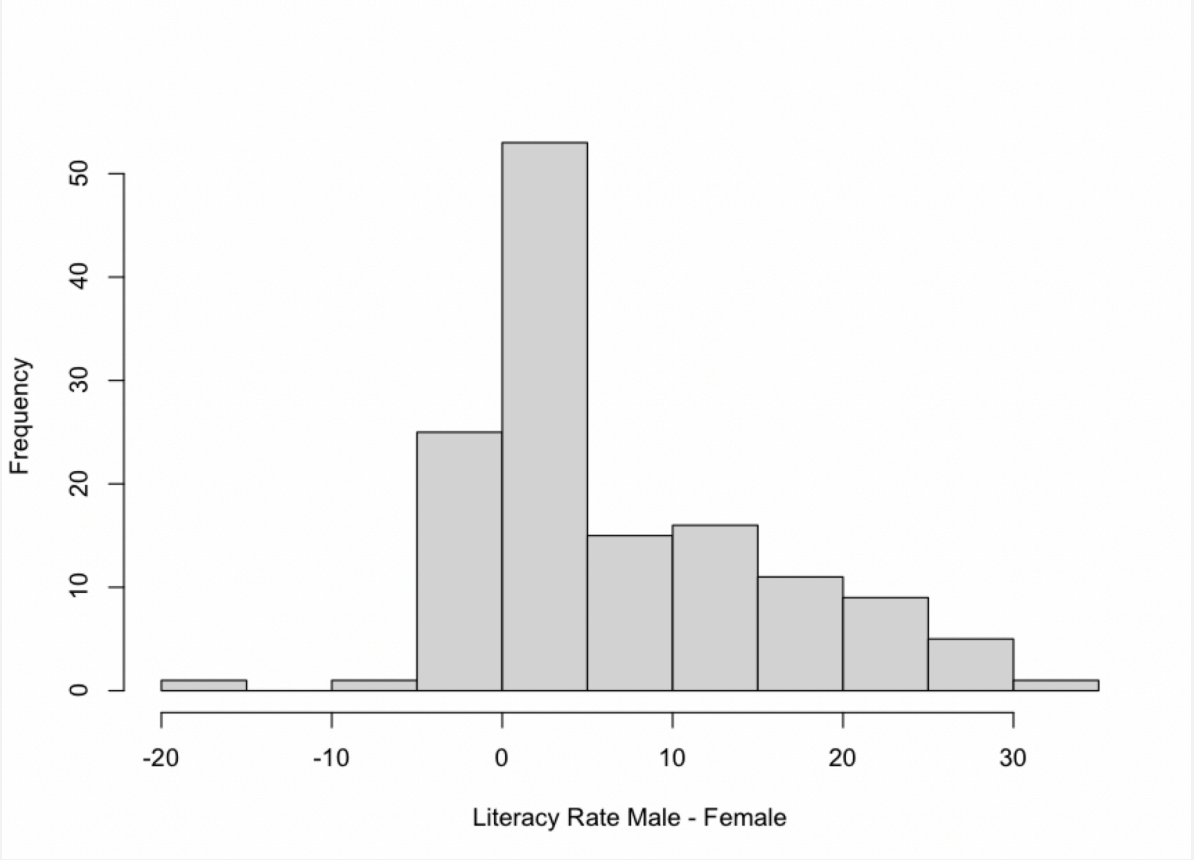
DATA ANALYTICS FOR POLITICAL SCIENCE

MULTIPLE REGRESSION

ASSIGNMENTS

- Problem Set 3 due on Friday
- Prompt for Data Analysis Memo 3 posted

CLASS EXERCISE



- What effect does how democratic a country is have on the gender literacy gap?
  - What if we include control variables?
- qogdata_reduced.csv (+ codebook)

IMMIGRATION ATTITUDES

- Immig. Supp. = α + β_1 * Impl. Prej. + β_2 * Female + ε

IMMIGRATION ATTITUDES

- Immig. Supp. = 0.509 - 0.210 * Impl. Prej. - 0.069 * Female

IMMIGRATION ATTITUDES

- What is the predicted immigration support for someone who is
  - a 0.5 in the implicit prejudice scale
  - female
- Immig. Supp. = 0.509 - 0.210 * Impl. Prej. - 0.069 * Female

IMMIGRATION ATTITUDES

- What is the predicted immigration support for someone who is
  - a 0.5 in the implicit prejudice scale
  - female
- Immig. Supp. = 0.509 - 0.210 * 0.5 - 0.069 * 1 = 0.335

IMMIGRATION ATTITUDES

- What is the predicted immigration support for someone who is
  - a 1 in the implicit prejudice scale
  - female
- Immig. Supp. = 0.509 - 0.210 * 1 - 0.069 * 1 = 0.230

IMMIGRATION ATTITUDES

- What is the predicted immigration support for someone who is
  - a 1 in the implicit prejudice scale
  - male
- Immig. Supp. = 0.509 - 0.210 * 1 - 0.069 * 0 = 0.299

IMMIGRATION ATTITUDES

- Immig. Supp. = α + β_1 * Impl. Prej. + β_2 * Female + β_3 * Impl. Prej. * Female

IMMIGRATION ATTITUDES

- For men:
  - Immig. Supp. = α + β_1 * Impl. Prej. + β_2 * 0 + β_3 * Impl. Prej. * 0
  - Immig. Supp. = α + β_1 * Impl. Prej.
- For women:
  - Immig. Supp. = α + β_1 * Impl. Prej. + β_2 * 1 + β_3 * Impl. Prej. * 1
  - Immig. Supp. = α + β_2 + (β_1 + β_3) * Impl. Prej.