DATA ANALYTICS FOR POLITICAL SCIENCE

INFERRING POPULATION CHARACTERISTICS

ASSIGNMENTS

- **Review Exercise 2 due Wednesday**
- **Data Analysis Memo 1 due Friday**

CONGRESS.CSV

Variable	Description
name	name of the congressional representative
state	state of the congressional representative
district	district number of the congressional representative
party	party of the congressional representative
congress	congressional session number
dwnom1	DW-NOMINATE score (first dimension)
dwnom2	DW-NOMINATE score (second dimension)

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- **Create separate datasets for Democrats and Republicans**
- **Create scatter plot of first and second dimension for Democrats (in blue)**
  - **xlim=c(-1.5, 1.5) and ylim=c(-1.5, 1.5)**

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- **Create separate datasets for Democrats and Republicans in the 80th Congress (1947-49)**
- **Create scatter plot of first and second dimension for Democrats and Republicans**
  - **xlim=c(-1.5, 1.5) and ylim=c(-1.5, 1.5)**

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- **Create separate datasets for Democrats and Republicans in the 112th Congress (2011-13)**
- **Create scatter plot of first and second dimension for Democrats and Republicans**
  - **xlim=c(-1.5, 1.5) and ylim=c(-1.5, 1.5)**