

Homework 1

Due Wednesday, January 21

Moore: Ch 1 # 23, 24, 25, 27, 28, 30, 32, 35, 37, 40, 43

SPSS Project: US Nuclear reactors

This project uses the `us_reactors.sav` file containing data on active nuclear reactors in the United States. Key:

CONST_START: Year of start of construction

OPERATION: Year of start of commercial operation

TYPE: PWR - Pressurized Water Reactor, BWR - Boiling Water Reactor

CAPACITY: Mwe Net

In the problems, choose whatever type of chart is most appropriate.

1. There are eight variables in this data set. Identify them all and describe as quantitative or categorical.
2. Display the relative proportion of PWR and BWR type reactors in a chart.
3. Display the proportion of reactors for each supplier in a chart.
4. Make a chart that summarizes the CAPACITY of US Nuclear reactor facilities.
5. Make a chart that summarizes the age (use CONST_START) of US Nuclear reactor facilities. Describe the shape of the distribution.
6. Compute the time from construction start to operational for each reactor, and display this information in a chart.