

**Project 1: Descriptive statistics & graphing (50 pts; due Friday, September 25 at the beginning of lab)**

After settling into your new life in Anytown, USA with your new degree in hand you find a job in the field of real estate development. You work for a developer (Doris Umbridge) who is considering investing in a new townhouse development. Doris has some baseline data for another develop in the Anytown, USA, but she would like a better description of it. She is not ready for you to spend your time on a full-blown statistical analysis, but she would like to mull over these data with a better summary description. Eventually she would like to do a more detailed analysis to determine if Anytown is “the place” for her development.

- 1) Doris is interested in sale price, square footage (living area), townhouse age, total bedrooms, and total bathrooms. You need not concern yourself with other variables.
- 2) Using only the tools you learned in class, and using SPSS, describe these data statistically and graphically.
- 3) The dataset can be found as a Microsoft Excel file “Townhouse Raw Data” on the website.
- 4) Turn in:
  - a. Your SPSS data file (.sav) that you use for your analysis
  - b. A short report that describes the townhouse sample (in writing) that cites the appropriate SPSS output
    - i. Provide an introduction to the report that states the purpose of the project and how you plan to accomplish that purpose using statistics.
    - ii. Make sure you clearly cite tables with statistics and charts from your output in the short report such that during evaluation, your boss can easily find information.
  - c. The SPSS output file (.spo) that contains the results of your analysis.