## Scenario

You're studying data about the sale of homes in Ames, Iowa from 2006 to 2010. You want to start by exploring the relationships between the sale price of homes and other home characteristics, such as central air conditioning or above ground living area (or square footage). To graphically explore these relationships, or associations, between variables in the data, you can use box plots and scatter plots.

Graphical exploration of associations between predictors and the response can guide model building. Interesting relationships that would be otherwise missed (for example, quadratic relationships or interactions) can present themselves in plots and can be incorporated into models.

Variables that are clearly unrelated to the response variable could potentially be removed from the modeling effort. Any information to help guide the decision to include or exclude variables can simplify the process of choosing appropriate predictors for your model.

*Statistics 1: Introduction to ANOVA, Regression, and Logistic Regression*

Close