MAKE A COPY: Practice Project: Recommend a City

**Note that this project is a continuation of the Data Cleanup project.**

## Step 1: Linear Regression

*Create a linear regression model off your training set and present your model. Visualizations are highly encouraged in this section. (750 word limit)*

***Important:*** *Make sure you have dealt with outliers and removed one city from your training set. You should have* ***10 rows*** *of data before you begin modeling the dataset.*

*Build a linear regression model to help you predict total sales.*

*At the minimum, answer these questions:*

1. How and why did you select the [predictor variables (see supplementary text)](https://classroom.udacity.com/courses/ud976/lessons/4e33b70a-72a4-47cb-959a-28632ae6aaff/concepts/631d190c-8626-4dd7-92df-f5bd96913c48) in your model? You must show that each predictor variable has a linear relationship with your target variable with a scatterplot.
2. Explain why you believe your linear model is a good model. You must justify your reasoning using the statistical results that your regression model created. . For each variable you selected, please justify how each variable is a good fit for your model by using the p-values and R-squared values that your model produced.
3. What is the best linear regression equation based on the available data? Each coefficient should have no more than 2 digits after the decimal (ex: 1.28)

## Step 2: Analysis

*Use your model results to provide a recommendation. (500 word limit)*

*At the minimum, answer this question:*

1. Which city would you recommend and why did you recommend this city?