***Step-by-Step Description of Excel Data Analysis***

Raw Dataset Parameters: Low Parent Income-All Races-Female

Outcome Parameters:

1. Teen Birth Rate: fraction of women who had a child between the ages 13-19
2. Employment Rate: fraction who have positive earnings in 2015
3. Fraction Married: fraction who were married in 2015

For each outcome:

1. Reorganize Data: reorder and filter tracts by neighborhoods within city boundaries (using Text-to-Column, Sort-and-Filter)
2. Pivot Table: insert reorganized data into Pivot Table – filtered by neighborhood, values averaged to account for tracts with multiple data points, expressed in percentage
   1. filtered neighborhoods for consistency among all outcomes

Data Analysis:

1. Simple linear regression: inserted scatter plot for teen birth rate and employment rate, with equation of linear trendline and R2 value
2. Multiple linear regression: modeled regression using Data Analysis Toolkit