Excel Data Manipulation:

1) Baltimore data for those with parental income in 25th percentile: Text to column. Separated commas into columns. Only filtered out Baltimore,MD. Process is in first two tabs of Baltimore_Nassau_Analyzed.xls file.
2) Nassau County data for those with parental income in 25th percentile:: Text to column. Separate Commas into columns. Picked out all the towns in Nassau County using the Filter function, and checking all the towns in Nassau County. Process is in Filtered Low Income Nassau.xls file.
3) In Baltimore_Nassau_Analyzed.xls file in tabs labeled "Baltimore Analyzed" and "Nassau Analyzed," for both Baltimore and Nassau County,
    a. I used VLookup to match the census tract of those with parental income in bottom 25th to those with middle 50th percentile and 75th percentile to get the respective household incomes. VLookup referenced excel files with the original data for the two higher income brackets in the respective locations.
    b. I used the if logic statement to indicate whether the household income for different tracts for the different parental incomes were above or below the poverty level in 2014-2015, which was $24,250 for a family of four.
    c. I used the countif functions to count how many instances the tract was above the poverty level.
    d. I changed the numbers I got from my countif functions to percentages.
    e. I generated a stacked bar chart for the different percentages of poverty in different parental incomes by highlighting the appropriate data and clicking the graph I wanted under the "Insert" tab. I added in axes titles.
    f. I used the average(), median(), and stdev() functions to get the respective mean, median and standard deviations for the different parental incomes.
    g. I generated a bar chart showing mean and median for all the different parental incomes for mean and median for Baltimore and Nassau. I added in axes titles.
4) For both Baltimore and Nassau, in tabs labeled, "Baltimore Pivot Chart," and "Nassau Pivot Chart," I generated pivot charts by highlighting the data I wanted to use, and clicking on the Pivot Chart button under the "Insert" tab. I changed the "Values" to averages of the respective household incomes. I made the "Rows" as the names of the town. I changed the bar graph that was originally generated to a line graph by right-clicking and changing the option. I added in axes titles and a chart title.