Descriptive Statistics

Measure	Excel Formula
Count	=COUNT(<data range>)
Sum	=SUM(<data range>)
Count if <criteria> is true	=COUNTIF(<data range>, "*criteria*")
Count if <criteria range> is true	=COUNTIFS(<data range>, ">=*criteria*", <data range>, "<*criteria*")
Mean	=MEAN(<data range>)
Sample Variance	=VAR.S(<data range>)
Sample Standard Deviation	=STDEV.S(<data range>)
Population Variance	=VAR.P(<data range>)
Population Standard Deviation	=STDEV.P(<data range>)
Median	=MEDIAN(<data range>)
Minimum	=MIN(<data range>)
First quartile (Q1, 25th percentile)	=QUARTILE.EXC(<data range>, 1)
Second Quartile (Q2, 50th percentile, median)	=QUARTILE.EXC(<data range>, 2)
Third quartile (Q3, 75th percentile)	=QUARTILE.EXC(<data range>, 3)
Maximum	=MAX(<data range>)
Range	=MAX(<data range>) - MIN(<data range>)
Interquartile Range	=QUARTILE.EXC(<data range>, 3) – QUARTILE.EXC(<data range>, 1)
Percentile	=PERCENTILE.EXC(<data range>, *percentile*)
Percent Rank	=PERCENTRANK.EXC(<data range>, *data value*)
Standardize	=STANDARDIZE(x, mean, standard deviation)
Covariance	=COVARIANCE.S(<data range 1>, <data range 2>)
Correlation	=CORREL(<data range 1>, <data range 2>)