



Name of Formula	Formula	Notes
Range		
Mean of a Sample		
Variance		
Standard Deviation		
Z-Score Calculation		
Standard Error		
Z-Statistic for a Distribution of Means		
Confidence Interval for a Z Test (Lower and Upper)		



Cohen's d		
t-Statistic for a Single Sample t Test		
Degrees of Freedom for a Single Sample t Test		
t-Statistic for an Independent Samples t Test		
Degrees of Freedom for an Independent Sample t Test		
Pooled Variance		
Variance for a Distribution of Means for an Independent Samples t Test		
Pearson Correlation		
Linear Regression		
Chi-Square Statistic		



STATISTICS HANDOUT INSTRUCTIONS

- Students will provide the mathematical formulas in the respective column up to what they have covered in the course. (Do NOT write down formulas the student has not learned yet)
- In the “Notes” column, the student will work with the Peer Tutor to write down, in the STUDENT’S own words, their own definition of the formula and any other relevant information/examples regarding the formula.
- Students are recommended to bring this handout to every session to enhance their learning.

*NOTE: Depending on the instructor’s curriculum, the student may or may not cover all these formulas.