

Name: _____

MAT 222

Spring 2019

Excel Lab 5: Ch. 12

“If I go back to the beginning, I could start it over again. I could go line by line, try and find a shorter way. I could try to make it. . . better.”

– Catherine, Proof

A researcher is trying to determine if there is a difference in the murder rates between the various geographical locations on Earth. To do this, the researcher records the average murder rate per 100,000 persons for various countries on each continent. An ANOVA test would determine if there is a difference between these murder rates. Using the file `murder_rates.xlsx`, use Excel to perform an ANOVA test to determine if there is a difference between the murder rates on various continents. Provide a print off of the results of the analysis and discuss the results below. Be sure to discuss the conclusion of the F -test for this analysis and to discuss the means for the various groups.