

Name: _____

MAT 222

Spring 2019

Minitab Lab 5

“In case you were wondering, I am, by definition, the best version of myself.”

–Janet, The Good Place

The following exercise makes use of the `chicago-public-schools-data` folder.

- (1) Formulate a question which makes use of a multilinear regression.
- (2) Discuss the model generally, being sure to discuss which variables are significant and which are not.
- (3) Construct a confidence interval for some corresponding quantitative variable. Discuss this confidence interval in the context of the question.
- (4) Formulate an appropriate hypothesis test, and perform the test. Report your conclusions in the context of the question.
- (5) Discuss the preceding parts in the context of the question asked.
- (6) Discuss any sources of error for your computations in the previous parts.

All of the parts above should be typeset appropriately into paragraph(s) which ‘flow’ and are understandable to a layperson.