

Name: _____

MAT 222

Spring 2019

Minitab Lab 3

“I always play it safe, and I can’t do it anymore. The time in our life to do crazy shit is winding down, and I don’t want to wake up one day and see that the window is already closed.”

– Rachel Silva, Master of None

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

- (1) Formulate a question which makes use of a 2-sample t -procedure or 2-sample p -procedure.
- (2) Construct a confidence interval for the difference between the corresponding quantitative variables. Discuss this confidence interval in the context of the question.
- (3) Formulate an appropriate hypothesis test, and perform the test. Report your conclusions in the context of the question.
- (4) Discuss the preceding parts in the context of the question asked.
- (5) 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.