

Economics 312
Daily Problem #1

Spring 2020
January 29

This property of summations is frequently useful in statistics and econometrics, and demonstrating it will allow you to review elements of algebra that we will use in class:

Show that $\sum_{i=1}^n (x_i - \bar{x})^2 = \sum_{i=1}^n (x_i)^2 - n\bar{x}^2$, where $\bar{x} \equiv \frac{\sum_{i=1}^n x_i}{n}$.