QUIZ 2

Econometrics 1 – ECO 221

Gaurav Arora

Maximum marks = 20

Deadline: February 6, 2023

Q. Show that

$$Var(\hat{\beta}_{0,OLS} \mid x) = \frac{\sigma^2}{N} \times \frac{\sum_{i=1}^{N} x_i^2}{\sum_{i=1}^{N}(x_i - \bar{x})^2}.$$