Quiz 9

1. (5 points)

Describe the process for finding the variance of stratified sample estimator for a population mean. You are welcome to use mathematical equations or prose.

2. (5 point)

Variance calculations for ratio estimators require the term s_e^2 . Provide some intuition behind the quantity $y_i - \hat{B}x_i$ that shows up in this variance calculation. Recall the variance for srs used $y_i - \bar{y}$.