

## Answers to Review Quiz 3

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Q1. Lower – Gated community => homogenous => lower standard deviation

mean is higher, but there are less diversity when compared with general population

Q2. Higher -- Height distribution is limited by physical law while there is no physical law to dictate social behavior. There can be students who took more than 10 years to graduate => more outliers.

Q3.  $\sigma_x = 3.0$   $\sigma_y = 3.31$ , Covariance = 9.72

one can use  $N = 5$  or  $N - 1 = 4$  depending on whether the data set is sample or the whole population.

I consider both are correct because the question doesn't say explicitly whether that is a sample or the whole population



And the winner is  
Chao Chen

Special fist bump from your  
instructor Dr. Pang on the awesome  
answers on Review Quiz 3 to Chao  
Chen on 3/3/2021