Assignment 4

# qUESTION 1

Confidence Interval 1 for nearc4 [0.203729 , 0.474887]

Confidence Interval 1 for IQ [0.038783 , 0.049782]

Confidence Interval 2 for nearc4 [-6.893378 , -6.622220]

Confidence Interval 2 for IQ [0.331756 , 0.342755]

Confidence Interval 3 for nearc4 [-12.552839 , -12.160152]

Confidence Interval 3 for IQ [0.551833 , 0.586311]

Confidence Interval 1 for Average Partial Effect of IQ [0.011125, 0.013451]

Confidence Interval 2 for Average Partial Effect of IQ [0.011009, 0.013335]

Confidence Interval 3 for Average Partial Effect of IQ [0.011478, 0.012924]

Confidence Interval 1 for parametric Average Partial Effect of IQ [0.011125, 0.013451]

Confidence Interval 2 for parametric Average Partial Effect of IQ [0.011009, 0.013335]

Confidence Interval 3 for parametric Average Partial Effect of IQ [0.011478, 0.012924]

# Question 2

Use simulated eta, R=500

Estimation=-2.7276, S.D=1.0916

Estimation=4.7464, S.D=0.6298

Estimation=0.0003, S.D=0.1148

Use antithetics eta,R=500

Estimation=-2.7276, S.D=1.0916

Estimation=4.7464, S.D=0.6298

Estimation=0.0073, S.D=0.0955

# Question 3

