Quantile Regression

Q1
Quantile Regression estimates the _____ of Y.
   a. mean
   b. median
   c. error
   d. percentile

Ans: d. Note: d is the best ans. b is also correct but not the best ans.

Q2
Quantile Regression model coefficients are found by minimizing _____ ?
   a. check functions
   b. sum of check functions
   c. squared errors
   d. sum of squared errors

Ans: b

Q3
Tau determines the _____ in Quantile Regression?
   a. error
   b. check function
   c. median
   d. percentile

Ans: d. d is most correct.

Q4
The best value of Tau can be found by _____
   a. considering the business questions to be answered.
   b. minimizing the sum of squared residuals.
   c. minimizing the sum of check functions.
   d. minimizing the testset errors from 10 fold cross validation.

Ans: a

Q5
The check function value depends on _____
   a. the sign of the residual.
   b. the sign and magnitude of the residual.
   c. the tau value and magnitude of the residual.
   d. the tau value, sign and magnitude of the residual.

Ans: d.