Assignment: Restaurant Linear Regression 06

Data Set: Restaurant Research

When reporting answers to Blackboard, set decimal places to 3 for answering the first part of the question, e.g., 1a, 2a, etc, e.g., 125.382 or 0.130. Questions 1b, 2b, etc. are answered True or False. Questions 1c etc. should be answered as a percentage, e.g., 1 or 9 or 25. On answer three, if Adjusted R^2 is reported to be less than 0, e.g., -.01 report 0 as your answer.

---

1. Predict frequency of visiting a restaurant using the degree to which alcohols is a factor in their decision to dine or not dine out. To run this regression, you will use variables 2 and 23.

   a) _____ What will the predicted number of restaurant visits be (to three decimal places) if alcohol attitude is 7 on the 7 point scale?

   b) True/False The predictor variable reliably predicts restaurant visits.

   c) _____% What proportion of the variance does the model explain?

   Alpha: 0.1

2. Predict restaurant spending using attitudes toward Mexican restaurants as the predictor variable. To run this regression, you will use variables 1 and 15.

   a) _____ What will predicted restaurant spending be (to three decimal places) if the Mexican restaurant rating is 2--on the low side of the 7 point scale?

   b) True/False The predictor variable reliably predicts restaurant spending.

   c) _____% What proportion of the variance does the model explain?

   Alpha: .05

3. Predict the liking for sit down restaurants based on attitudes toward the smoking section. To run this regression, you will use variables 9 and 10.

   a) _____ What will the predicted liking for sit down restaurants be (to three decimal places) if the smoking section attitude rating is 5 on the 7 point scale??

   b) True/False The predictor variable reliably predicts liking for sit down restaurants.

   c) _____% What proportion of the variance does the model explain?

   Alpha: .05