**Problem set 7**

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| **Criteria** | **Ratings** | **Pts** |
| This criterion is linked to a Learning OutcomeSubmission  Code and response follow appropriate styling (nothing running off the page, lengthy data is suppressed, etc.) | |  |  | | --- | --- | | **6 pts**  **Full Marks** | **0 pts**  **No Marks** | | 6 pts |
| This criterion is linked to a Learning OutcomeSubmission  Report is clear and readable with answers appropriately marked by a header or color-coded. | |  |  | | --- | --- | | **6 pts**  **Full Marks** | **0 pts**  **No Marks** | | 6 pts |
| This criterion is linked to a Learning OutcomeSubmission  Report was submitted in the appropriate format | |  |  | | --- | --- | | **6 pts**  **Full Marks** | **0 pts**  **No Marks** | | 6 pts |
| This criterion is linked to a Learning OutcomeProblem 1  Makes scatterplot for each predictor with regression line and comments on results | |  |  | | --- | --- | | **10 pts**  **Full Marks** | **0 pts**  **No Marks** | | 10 pts |
| This criterion is linked to a Learning OutcomeProblem 1  Fit a simple linear regression model and shows output for each variable | |  |  | | --- | --- | | **10 pts**  **Full Marks** | **0 pts**  **No Marks** | | 10 pts |
| This criterion is linked to a Learning OutcomeProblem 1  Interprets intercept for each variable | |  |  | | --- | --- | | **6 pts**  **Full Marks** | **0 pts**  **No Marks** | | 6 pts |
| This criterion is linked to a Learning OutcomeProblem 1  Explains differences in regression results across simple and multiple regression for rm, lstat, and indus | |  |  | | --- | --- | | **6 pts**  **Full Marks** | **0 pts**  **No Marks** | | 6 pts |
| This criterion is linked to a Learning OutcomeProblem 2  Answers Q1 | |  |  | | --- | --- | | **6 pts**  **Full Marks** | **0 pts**  **No Marks** | | 6 pts |
| This criterion is linked to a Learning OutcomeProblem 2  Answers Q2 | |  |  | | --- | --- | | **6 pts**  **Full Marks** | **0 pts**  **No Marks** | | 6 pts |
| This criterion is linked to a Learning OutcomeProblem 2  Answers Q3 | |  |  | | --- | --- | | **6 pts**  **Full Marks** | **0 pts**  **No Marks** | | 6 pts |
| This criterion is linked to a Learning OutcomeProblem 2  Answers Q4 | |  |  | | --- | --- | | **6 pts**  **Full Marks** | **0 pts**  **No Marks** | | 6 pts |
| This criterion is linked to a Learning OutcomeProblem 2  Answers Q5 | |  |  | | --- | --- | | **6 pts**  **Full Marks** | **0 pts**  **No Marks** | | 6 pts |
| This criterion is linked to a Learning OutcomeProblem 2  Answers Q6 | |  |  | | --- | --- | | **6 pts**  **Full Marks** | **0 pts**  **No Marks** | | 6 pts |
| This criterion is linked to a Learning OutcomeProblem 2-b (extra credit)  12 pts | |  |  | | --- | --- | | **0 pts**  **Full Marks** | **0 pts**  **No Marks** | | 0 pts |
| This criterion is linked to a Learning OutcomeProblem 4  Build model for part a | |  |  | | --- | --- | | **6 pts**  **Full Marks** | **0 pts**  **No Marks** | | 6 pts |
| This criterion is linked to a Learning OutcomeProblem 4  Explain model for part a | |  |  | | --- | --- | | **8 pts**  **Full Marks** | **0 pts**  **No Marks** | | 8 pts |
| This criterion is linked to a Learning OutcomeProblem 4  Interpret model for part a | |  |  | | --- | --- | | **10 pts**  **Full Marks** | **0 pts**  **No Marks** | | 10 pts |
| This criterion is linked to a Learning OutcomeProblem 4  Estimate meal price for each restaurant | |  |  | | --- | --- | | **10 pts**  **Full Marks** | **0 pts**  **No Marks** | | 10 pts |
| This criterion is linked to a Learning OutcomeProblem 4  Correctly answers question and explains choice | |  |  | | --- | --- | | **10 pts**  **Full Marks** | **0 pts**  **No Marks** | | 10 pts |
| This criterion is linked to a Learning OutcomeProblem 4  Determines whether quality of food and service are important determinants of meal price | |  |  | | --- | --- | | **8 pts**  **Full Marks** | **0 pts**  **No Marks** | | 8 pts |
| This criterion is linked to a Learning OutcomeProblem 4  Answers questions on decor | |  |  | | --- | --- | | **10 pts**  **Full Marks** | **0 pts**  **No Marks** | | 10 pts |
| This criterion is linked to a Learning OutcomeProblem 5  Inspects and describes data | |  |  | | --- | --- | | **8 pts**  **Full Marks** | **0 pts**  **No Marks** | | 8 pts |
| This criterion is linked to a Learning OutcomeProblem 5  Builds model for part b | |  |  | | --- | --- | | **10 pts**  **Full Marks** | **0 pts**  **No Marks** | | 10 pts |
| This criterion is linked to a Learning OutcomeProblem 5  Interprets model for part b | |  |  | | --- | --- | | **10 pts**  **Full Marks** | **0 pts**  **No Marks** | | 10 pts |
| This criterion is linked to a Learning OutcomeProblem 5  Builds model for part c | |  |  | | --- | --- | | **8 pts**  **Full Marks** | **0 pts**  **No Marks** | | 8 pts |
| This criterion is linked to a Learning OutcomeProblem 5  Interprets model for part c | |  |  | | --- | --- | | **8 pts**  **Full Marks** | **0 pts**  **No Marks** | | 8 pts |
| This criterion is linked to a Learning OutcomeProblem 5  Explains whether variables should be removed | |  |  | | --- | --- | | **8 pts**  **Full Marks** | **0 pts**  **No Marks** | | 8 pts |
| Total Points: 200 | | |