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STAT3008 Assignment 2

Question 3

1. After executed the R code, it returns
2. [,1]

Intercept 11.6819338

X1 0.3231552

X2 2.1526718

1. The best point estimator is , where

After executed the R code, it returns

1. # statistic already available in the above and the question from model 2

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Source** | **DF** | **Sum of Squares** | **Mean Square** | **F Value** | **Pr > F** |
| **Regression** | 1 | 0.1599 | 0.1599 | 0.0048 | 0.947 |
| **Residual** | 6 | 200.2901 | 33.3817 |  |  |
| **Total** | 7 | 200.45 |  |  |  |

Since the p-value , we do not reject at

We do not have sufficient evidence that is the appropriate model while comparing to