**Analysis**

1. **Descriptive Statistics**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Variable | Obs. | Mean | Std. Dev. | Min | Max |
| price | 74 | 6165.257 | 2949.496 | 3291 | 15906 |
| mpg | 74 | 21.297 | 5.786 | 12 | 41 |
| rep78 | 69 | 3.406 | .99 | 1 | 5 |
| headroom | 74 | 2.993 | .846 | 1.5 | 5 |
| trunk | 74 | 13.757 | 4.277 | 5 | 23 |
| weight | 74 | 3019.459 | 777.194 | 1760 | 4840 |
| length | 74 | 187.932 | 22.266 | 142 | 233 |
| turn | 74 | 39.649 | 4.399 | 31 | 51 |
| displacement | 74 | 197.297 | 91.837 | 79 | 425 |
| gear ratio | 74 | 3.015 | .456 | 2.19 | 3.89 |
| foreign | 74 | .297 | .46 | 0 | 1 |
|  | | | | | |

1. **Regression Results**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| price | Coef. | | St. Err. | t-value | | p-value | [95% Conf | | Interval] | | Sig |
| mpg | -49.512 | | 95.807 | -0.52 | | .607 | -240.547 | | 141.522 | |  |
| weight | 1.747 | | .778 | 2.25 | | .028 | .196 | | 3.298 | | \*\* |
| Constant | 1946.069 | | 4213.793 | 0.46 | | .646 | -6455.995 | | 10348.133 | |  |
|  | | | | | | | | | | | |
| Mean dependent var | | 6165.257 | | | SD dependent var | | | 2949.496 | |
| R-squared | | 0.293 | | | Number of obs. | | | 74 | |
| F-test | | 14.836 | | | Prob > F | | | 0.000 | |
| Akaike crit. (AIC) | | 1371.727 | | | Bayesian crit. (BIC) | | | 1378.640 | |
| *\*\*\* p<.01, \*\* p<.05, \* p<.1* | | | | | | | | | | | |