Run a multiple regression equation and interpret the coefficient results to determine that these independent variables impact the sale price of a home.

**Model is:**

**HOUSE PRICE ESTIMATE = BEDROOMS + SQUARE FOOTAGE + GARAGE + BATHS**

**DATA SETS**

**Variables**

 = Selling price in $000

 = Number of bedrooms

= Size of the home in square feet

= Size of the garage in square feet

= Number of bathrooms

30 homes sold

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| PRICE | BEDROOMS | SQUARE FOOTAGE | GARAGE | BATHS |
| 285 | 4 | 2799 | 618 | 3.5 |
| 277.4 | 3 | 2544 | 576 | 3 |
| 266.5 | 3 | 2544 | 576 | 3 |
| 178.6 | 4 | 1797 | 431 | 2.5 |
| 170.6 | 4 | 1797 | 431 | 2.5 |
| 290 | 5 | 3121 | 561 | 3 |
| 197.8 | 4 | 1809 | 431 | 3 |
| 264.5 | 3 | 2544 | 576 | 3 |
| 180.5 | 4 | 1809 | 431 | 2.5 |
| 251.4 | 4 | 2799 | 618 | 3.5 |
| 265.5 | 4 | 2799 | 618 | 3.5 |
| 176.9 | 3 | 2136 | 431 | 3 |
| 264.5 | 3 | 2544 | 576 | 3 |
| 188.9 | 4 | 2136 | 431 | 3 |
| 260.4 | 3 | 2544 | 576 | 3 |
| 261 | 3 | 2544 | 576 | 3 |
| 183.5 | 3 | 2136 | 431 | 3 |
| 321.2 | 5 | 3121 | 561 | 3 |
| 380.2 | 4 | 3909 | 604 | 3.5 |
| 168.1 | 4 | 1797 | 431 | 2.5 |
| 251.6 | 3 | 2544 | 576 | 3 |
| 167.3 | 4 | 1797 | 431 | 2.5 |
| 258.6 | 4 | 2799 | 618 | 3.5 |
| 172.2 | 4 | 1809 | 431 | 3 |
| 246 | 3 | 2544 | 576 | 3 |
| 254.8 | 3 | 2544 | 576 | 3 |
| 200.3 | 3 | 2136 | 431 | 3 |
| 173.9 | 4 | 1797 | 431 | 2.5 |
| 195.7 | 4 | 1809 | 431 | 3 |
| 164.8 | 3 | 1617 | 437 | 2.5 |