|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| R = a + bF + cP |  |  |  |  |  |  |  |  |
| Where R is ridership, F is the average transit fare and P is the average price of gasoline. |  |  |  |
|  |  |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
| Year | R | F | P |  |  |  |  |  |
| 2004 | 157,359,130 | 0.704654131 | 199.1211538 |  |  |  |  |  |
| 2005 | 159,162,843 | 0.70021155 | 240.9961538 |  |  |  |  |  |
| 2006 | 164,825,977 | 0.709686035 | 275.1230769 |  |  |  |  |  |
| 2007 | 176,373,343 | 0.731234822 | 300.9358491 |  |  |  |  |  |
| 2008 | 183,385,944 | 0.749782584 | 345.2807692 |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
| SUMMARY OUTPUT |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
| *Regression Statistics* |  |  |  |  |  |  |  |
| Multiple R | 0.995670298 |  |  |  |  |  |  |  |
| R Square | 0.991359342 |  |  |  |  |  |  |  |
| Adjusted R Square | 0.982718684 |  |  |  |  |  |  |  |
| Standard Error | 1481450.711 |  |  |  |  |  |  |  |
| Observations | 5 |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
| ANOVA |  |  |  |  |  |  |  |  |
|  | *df* | *SS* | *MS* | *F* | *Significance F* |  |  |  |
| Regression | 2 | 5.03603E+14 | 2.51802E+14 | 114.7319243 | 0.008640658 |  |  |  |
| Residual | 2 | 4.38939E+12 | 2.1947E+12 |  |  |  |  |  |
| Total | 4 | 5.07993E+14 |   |   |   |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  | *Coefficients* | *Standard Error* | *t Stat* | *P-value* | *Lower 95%* | *Upper 95%* | *Lower 95.0%* | *Upper 95.0%* |
| Intercept | -101572999.6 | 51718318.94 | -1.963965605 | 0.188496681 | -324098965.7 | 120952966.6 | -324098965.7 | 120952966.6 |
| F | 346329405.5 | 82230433.9 | 4.211693762 | 0.052015569 | -7479595.371 | 700138406.3 | -7479595.371 | 700138406.3 |
| P | 76183.76377 | 30717.25438 | 2.480161893 | 0.131301292 | -55981.91465 | 208349.4422 | -55981.91465 | 208349.4422 |