|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| R = a + bF + cP |  |  | |  | |  | |  | |  |  |  |
| Where R is ridership, F is the average transit fare and P is the average price of gasoline. | | | | | | | | | |  |  |  |
|  |  | |  | |  | |  | |  |  |  |  |
|  |  | |  | |  | |  | |  |  |  |  |
|  |  | |  | |  | |  | |  |  |  |  |
|  |  | |  | |  | |  | |  |  |  |  |
| 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 |