# OLS Regression Results

## Model 1

Dependent Variable: Price

R-squared: 0.025

Adjusted R-squared: 0.025

F-statistic: 101.924

Prob (F-statistic): 1.11e-23

Number of Observations: 3971

Regression Coefficients:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Variable | Coefficient | Std Error | t-score | P-value | CI Lower | CI Upper |
| Intercept | 1055.432 | 11.093 | 95.144 | 0.0 | 1033.69 | 1077.174 |
| treatment\_period | 210.179 | 20.819 | 10.096 | 0.0 | 169.375 | 250.982 |

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## Model 2

Dependent Variable: Price

R-squared: 0.113

Adjusted R-squared: 0.113

F-statistic: 507.383

Prob (F-statistic): 7.80e-106

Number of Observations: 3971

Regression Coefficients:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Variable | Coefficient | Std Error | t-score | P-value | CI Lower | CI Upper |
| Intercept | 935.678 | 12.367 | 75.66 | 0.0 | 911.439 | 959.916 |
| treatment\_city | 447.635 | 19.873 | 22.525 | 0.0 | 408.685 | 486.584 |

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## Model 3

Dependent Variable: Price

R-squared: 0.189

Adjusted R-squared: 0.189

F-statistic: 209.863

Prob (F-statistic): 2.39e-126

Number of Observations: 3971

Regression Coefficients:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Variable | Coefficient | Std Error | t-score | P-value | CI Lower | CI Upper |
| Intercept | 981.211 | 17.959 | 54.637 | 0.0 | 946.013 | 1016.41 |
| treatment\_period | -90.107 | 24.671 | -3.652 | 0.0 | -138.461 | -41.753 |
| treatment\_city | 146.658 | 22.031 | 6.657 | 0.0 | 103.477 | 189.838 |
| interaction | 600.484 | 38.022 | 15.793 | 0.0 | 525.962 | 675.006 |

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## Model 5

Dependent Variable: Price

R-squared: 0.221

Adjusted R-squared: 0.221

F-statistic: 169.135

Prob (F-statistic): 1.72e-163

Number of Observations: 3971

Regression Coefficients:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Variable | Coefficient | Std Error | t-score | P-value | CI Lower | CI Upper |
| Intercept | 259.854 | 131.315 | 1.979 | 0.048 | 2.482 | 517.226 |
| treatment | 69.101 | 22.351 | 3.092 | 0.002 | 25.293 | 112.908 |
| post | -79.822 | 23.462 | -3.402 | 0.001 | -125.807 | -33.838 |
| did | 618.4 | 36.859 | 16.778 | 0.0 | 546.158 | 690.642 |
| amenities\_count | 81.244 | 7.509 | 10.82 | 0.0 | 66.528 | 95.961 |
| rating | 60.754 | 16.358 | 3.714 | 0.0 | 28.693 | 92.815 |

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## Model 6

Dependent Variable: Price

R-squared: 0.264

Adjusted R-squared: 0.262

F-statistic: 207.732

Prob (F-statistic): 5.21e-231

Number of Observations: 3971

Regression Coefficients:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Variable | Coefficient | Std Error | t-score | P-value | CI Lower | CI Upper |
| Intercept | -1110.151 | 110.812 | -10.018 | 0.0 | -1327.338 | -892.965 |
| treatment | 107.289 | 21.281 | 5.042 | 0.0 | 65.58 | 148.998 |
| post | -79.138 | 22.821 | -3.468 | 0.001 | -123.866 | -34.411 |
| did | 3142.478 | 199.811 | 15.727 | 0.0 | 2750.855 | 3534.1 |
| rating | 229.943 | 13.862 | 16.588 | 0.0 | 202.774 | 257.112 |
| did:rating | -312.401 | 24.605 | -12.697 | 0.0 | -360.626 | -264.176 |
| amenities\_count | 62.946 | 7.057 | 8.92 | 0.0 | 49.115 | 76.776 |

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