# Model metrics file

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|  | R squared | RMSE | Parameters |
| Multiple linear regression | 0.760 | 224047.203 |  |
| Decision tree | 0.722 | 178029.886 |  |
| Polynomial regression | 0.872 | 166627.528 |  |
| Multiple linear regression model with log transformed response | 0.853 | 178713.492 |  |
| XGBoost | 0.878 | 152313.680885 | {'objective': 'reg:squarederror', 'max\_depth': 4, 'reg\_lambda': 1, 'min\_split\_loss': 0, 'learning\_rate': 0.5} |
| Random Forest | 0.885 | 155176.301 | {'n\_estimators': 70,  'min\_samples\_split': 5,  'min\_samples\_leaf': 1,  'max\_features': 0.3,  'max\_depth': 80,  'bootstrap': False} |
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