# Model metrics file

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|  | R squared | RMSE | Parameters |
| Multiple linear regression | 0.762 | 227399.777 |  |
| **Decision tree** | 0.689 | 186593.026 |  |
| Polynomial regression | 0.872 | 166627.528 |  |
| **Multiple linear regression model with log transformed response** | 0.853 | 178713.492 |  |
| XGBoost | 0.882 | 159571.016 | {'objective': 'reg:squarederror', 'max\_depth': 4, 'reg\_lambda': 1, 'min\_split\_loss': 0, 'learning\_rate': 0.5} |
| Random Forest | 0.893 | 152421.734 | {'n\_estimators': 80,  'min\_samples\_split': 5,  'min\_samples\_leaf': 1,  'max\_features': 0.3,  'max\_depth': 70,  'bootstrap': False} |
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