# Model metrics file

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|  | R squared | RMSE | Parameters |
| Multiple linear regression | 0.839 | 136589 |  |
| Polynomial regression | 0.856 | 129436 |  |
| Multiple linear regression model with log transformed response | 0.857 | 129093 |  |
| XGBoost | 0.887 | 114524.052 | {'objective': 'reg:squarederror', 'max\_depth': 4, 'reg\_lambda': 1, 'min\_split\_loss': 0, 'learning\_rate': 0.5} |
| Random Forest | 0.912 | 100904.277 | {'n\_estimators': 70,  'min\_samples\_split': 5,  'min\_samples\_leaf': 1,  'max\_features': 0.3,  'max\_depth': 80,  'bootstrap': False}  Random Forest Train set R^2: 0.9936399329887886 |
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