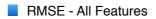
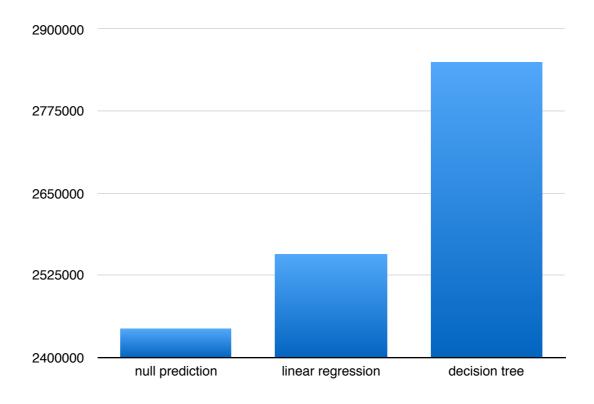
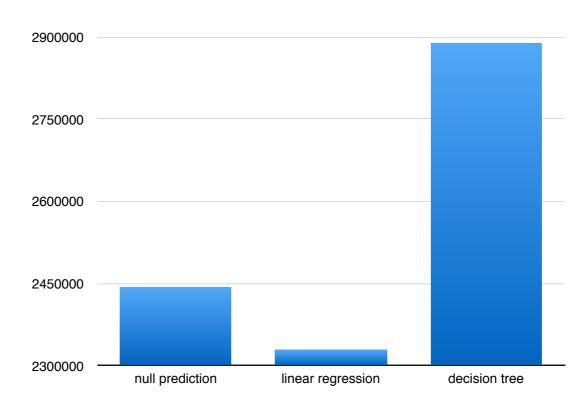
Table 1

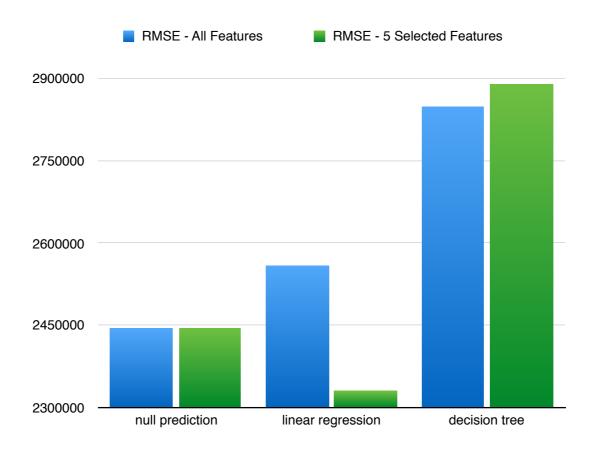
| | RMSE - All Features | RMSE - 5 Selected Features | 49 Dummy variables for state | Dummies Plus 5 Selected Features | Random forest | |
|-------------------|------------------------|---|------------------------------|-------------------------------------|---------------|--|
| null prediction | 2444061.99879 | 2444061.99879 | 2444061.99879 | 2444061.99879 | 2444061.99879 | |
| linear regression | 2557658.1639 | 2329102.45614 | 1.04428502032E+19 | 2391287.85513 | | |
| decision tree | 2848647.49758 | 2889703.40569 | 2431290.31101 | 2802813.98975 | | |
| random forest | | | | | 2435753.86123 | |
| | | | | | | |
| | | | | | | |
| | | nullPredictionRMSE | 2444061.99879 | | | |
| | | linreg rmsescores | 1.04428502032E+19 | | | |
| | | treereg rmsescores | 2431290.31101 | | | |
| | | | | | | |
| | | | | | | |
| | | 50 STATES ENGINEERED FEATURE (DUMMY VARIABLES) | | | | |
| | | | | | | |
| | | 50 STATES AND 5 FEATURES | | | | |
| | | nullPredictionRMSE | 2444061.99879 | | | |
| | | linreg rmsescores | 2391287.85513 | | | |
| | | treereg rmsescores | 2802813.98975 | | | |
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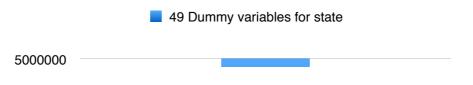


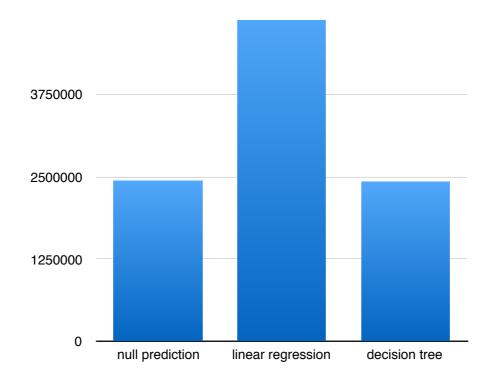


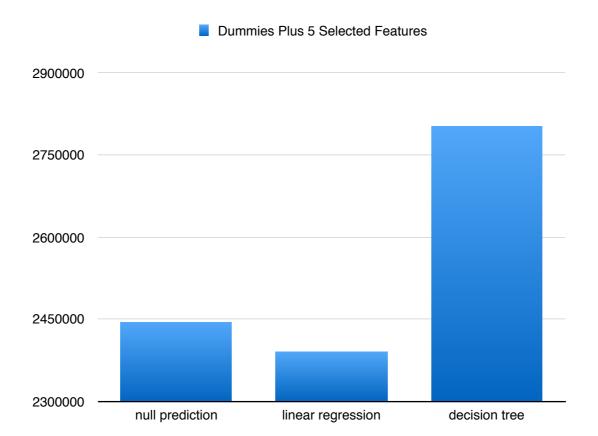


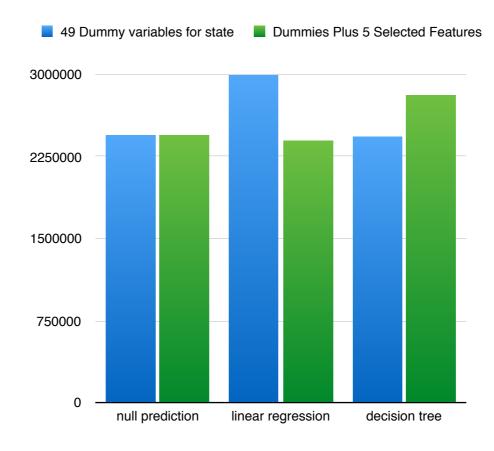












| | Random forest | | |
|-----------------|---------------|--|--|
| null prediction | 2444061.99879 | | |
| random forest | 2435753.86123 | | |
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