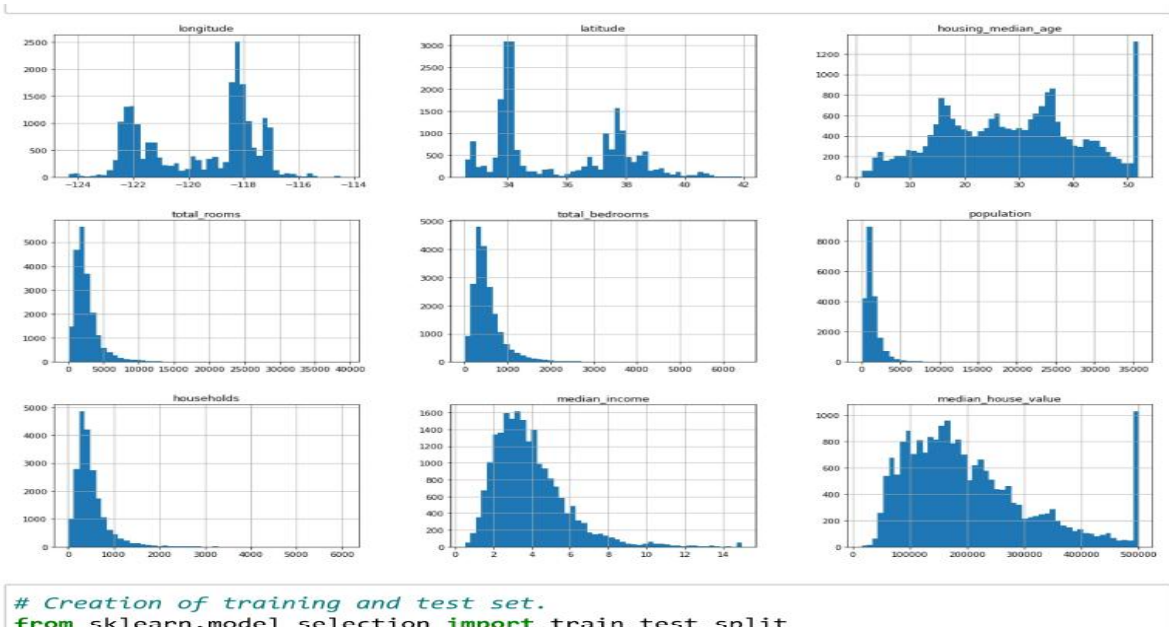
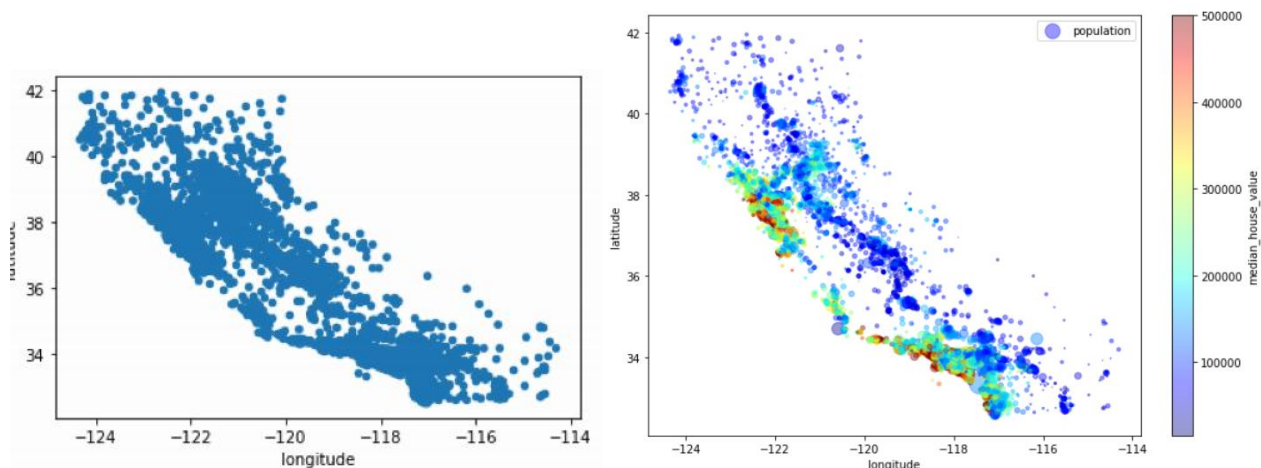


OUTPUT OF HOUSING PRICE PREDICTION



SCATTER PLOT :

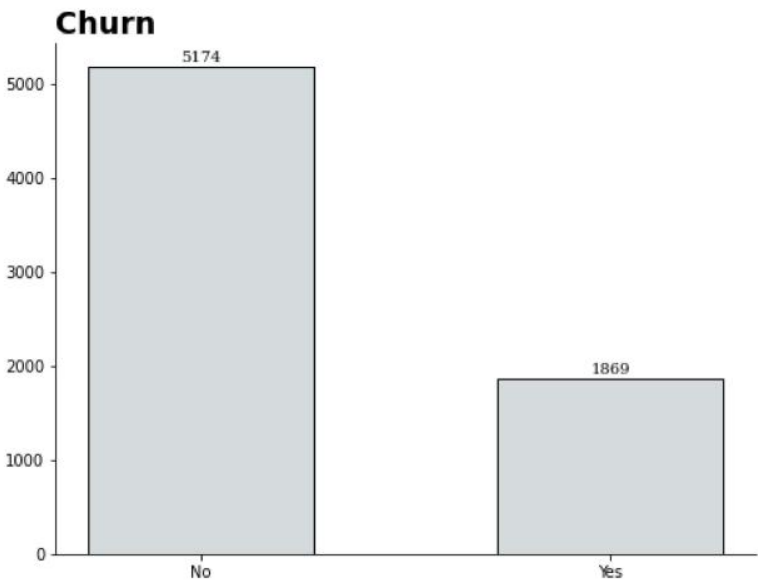


RANDOMIZEDSEARCH CV:

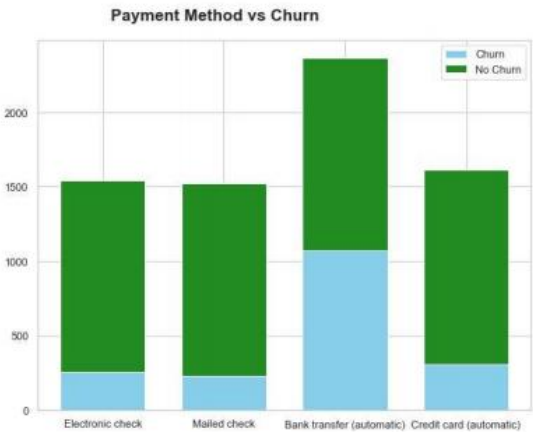
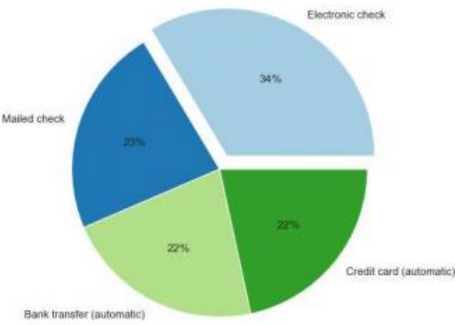
```
Best parameters: {'max_features': 7, 'n_estimators': 180}
RMSE: 49117.55344336652 Parameters: {'max_features': 7, 'n_estimators': 180}
RMSE: 51450.63202856348 Parameters: {'max_features': 5, 'n_estimators': 15}
RMSE: 50692.53588182537 Parameters: {'max_features': 3, 'n_estimators': 72}
RMSE: 50783.614493515 Parameters: {'max_features': 5, 'n_estimators': 21}
RMSE: 49162.89877456354 Parameters: {'max_features': 7, 'n_estimators': 122}
RMSE: 50655.798471042704 Parameters: {'max_features': 3, 'n_estimators': 75}
RMSE: 50513.856319990606 Parameters: {'max_features': 3, 'n_estimators': 88}
RMSE: 49521.17201976928 Parameters: {'max_features': 5, 'n_estimators': 100}
RMSE: 50302.90440763418 Parameters: {'max_features': 3, 'n_estimators': 150}
RMSE: 65167.02018649492 Parameters: {'max_features': 5, 'n_estimators': 2}
```

OUTPUT OF CUSTOMER CHURN

```
: customerID      0
gender            0
SeniorCitizen     0
Partner           0
Dependents        0
tenure            0
PhoneService      0
MultipleLines     0
InternetService   0
OnlineSecurity    0
OnlineBackup      0
DeviceProtection  0
TechSupport       0
StreamingTV       0
StreamingMovies   0
Contract          0
PaperlessBilling  0
PaymentMethod     0
MonthlyCharges    0
TotalCharges      0
Churn             0
dtype: int64
```



```
: Text(0.6, 0.92, 'Payment Method vs Churn')
```



mltt assignment (b)

