Learning\_rate = 0.1, n\_estimators = 50: accuracy = 69.34%

Learning\_rate = 0.1, n\_estimators = 200 : accuracy = 69.7%

Learning\_rate = 0.1, n\_estimators = 500: accuracy = 70.04%

Learning\_rate = 0.1, n\_estimators = 1000: accuracy = 70.17%

Learning\_rate = 0.1, n\_estimators = 500 max\_depth =7: accuracy = 70.09%

Learning\_rate = 0.1, n\_estimators = 500 max\_depth =5: accuracy = 70.04%

Learning\_rate = 0.1, n\_estimators = 500 max\_depth =3: accuracy = 69.8%

Learning\_rate = 0.1, n\_estimators = 500 max\_depth =7, min\_child\_weight = 5: accuracy = 70.01%

Learning\_rate = 0.1, n\_estimators = 500 max\_depth =7, min\_child\_weight = 0.5: accuracy = 70.09%

Learning\_rate = 0.1, n\_estimators = 500 max\_depth =7, min\_child\_weight = 0.2: accuracy = 70.07%

Just doing one hot encoding for all the ordinal columns

Learning\_rate = 0.1, n\_estimators = 500 max\_depth =7, min\_child\_weight = 0.5: accuracy = 73.4%

Doing one hot encoding for ord\_3, ord\_4, and ord\_5

Learning\_rate = 0.1, n\_estimators = 500 max\_depth =7, min\_child\_weight = 0.5: accuracy = 71.41%