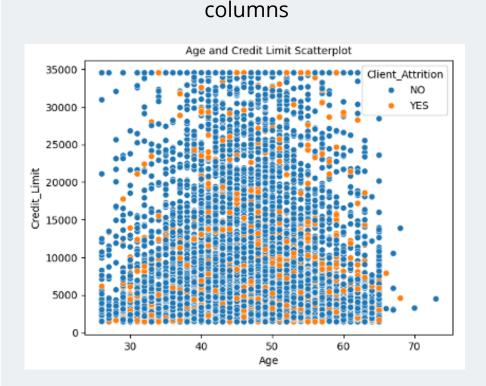
## Why are customers leaving?

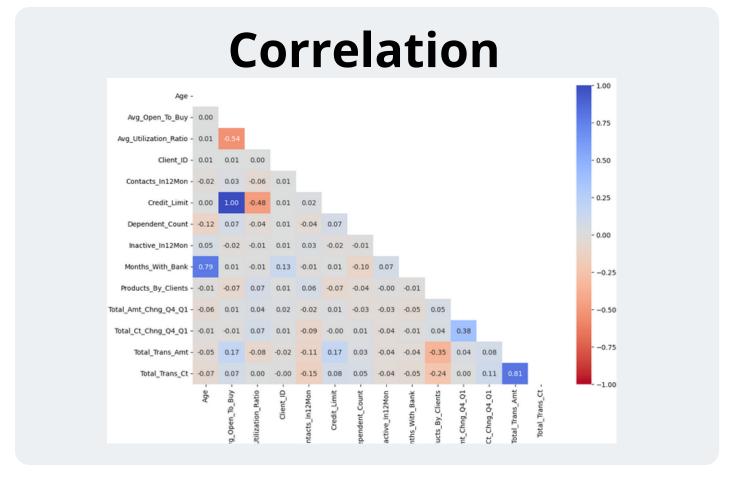
## **Previous Quarter**

Percent Missing Numeric	
Revolving Balance	24%
Credit Limit	0.3456%
Change in Transaction Count	0.0691%
Change in Transaction Amount	0.0494%
Average Open to Buy	0.0099%
Client ID	0%

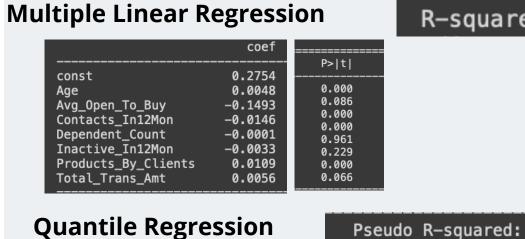
-Checking what's missing, remove variables with over 15% missing --impute missing values for remaining



-Scatterplot showing relationship between age, credit limit, and attrition



## **Regression Results**



0.1220 0.0037

-0.1247

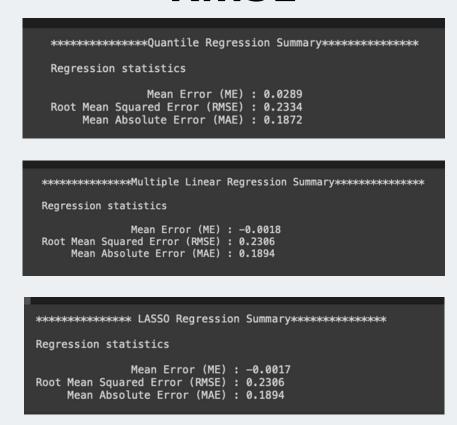
0.000 0.000 0.252 0.000 0.000 0.961 0.115 0.030 0.202

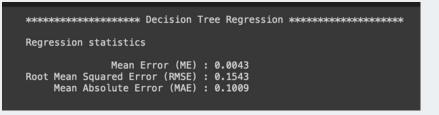
Neither of these regression models produce an R squared that indicates a good model. Need to analyzeze different variables

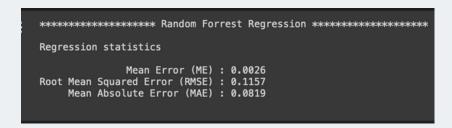
0.1775

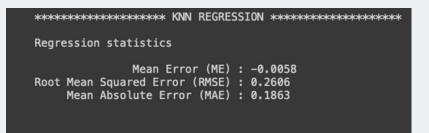
R-squared:

## **RMSE**









Going by RMSE, DT and RF models are the best predictors