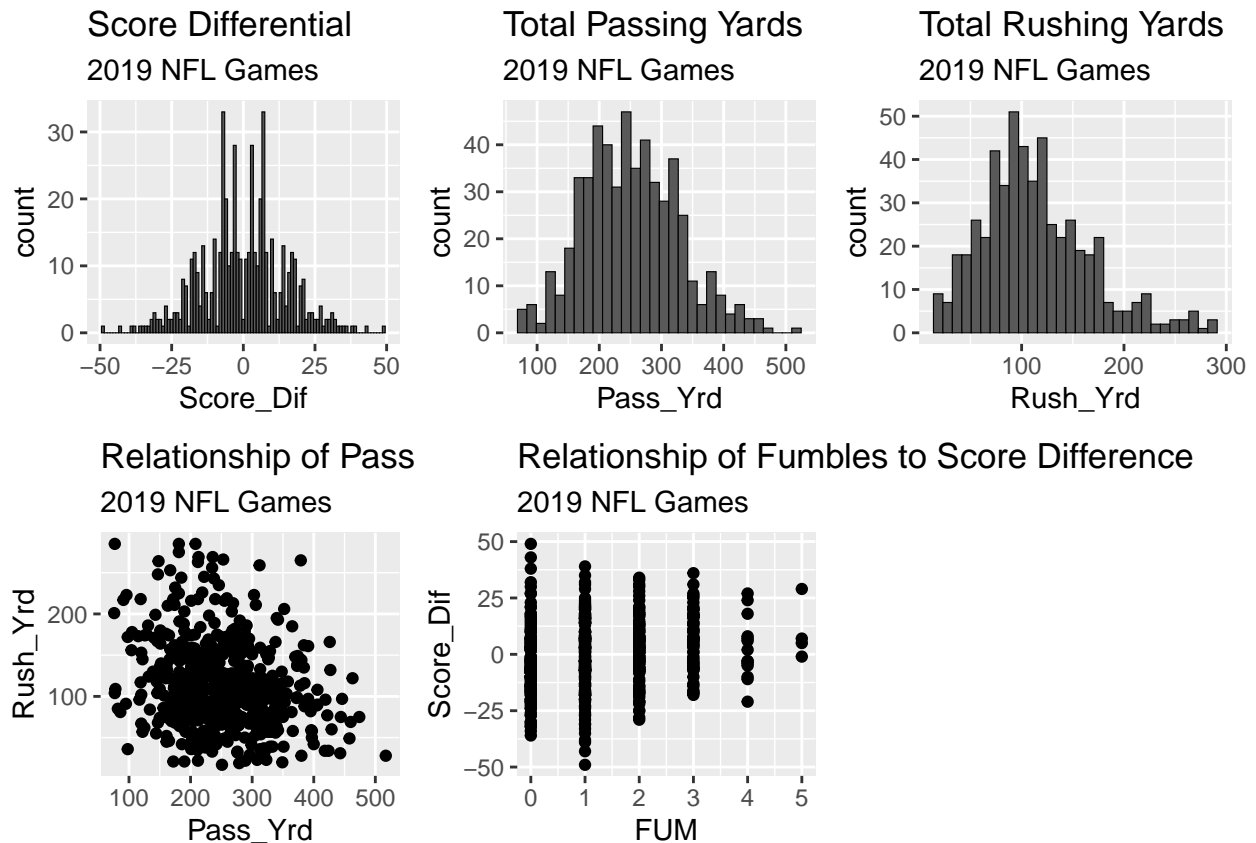


R Notebook

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Introduction:

Data Cleaning, EDA:



Initial Modeling:

The code for initializing the models has been hidden for space constraints. The linear model was using all predictors, the stepwise model stepped from an intercept only model to all predictors, and the randomforest has not been tuned (YET) and uses all predictors, as well as the default parameters.

```
##           rmse_2017 rmse_2018 rmse_2019 rmse_2020 rmse_2021
## Linear    9.992705  9.833446  9.919896  9.924871  10.16560
## Step      9.986854  9.799207  9.939556  9.923551  10.14859
## RF1       10.723754 10.303608 10.915521 10.475725 11.04832
```

Conclusion: