

# Appendix F. Performance Tables

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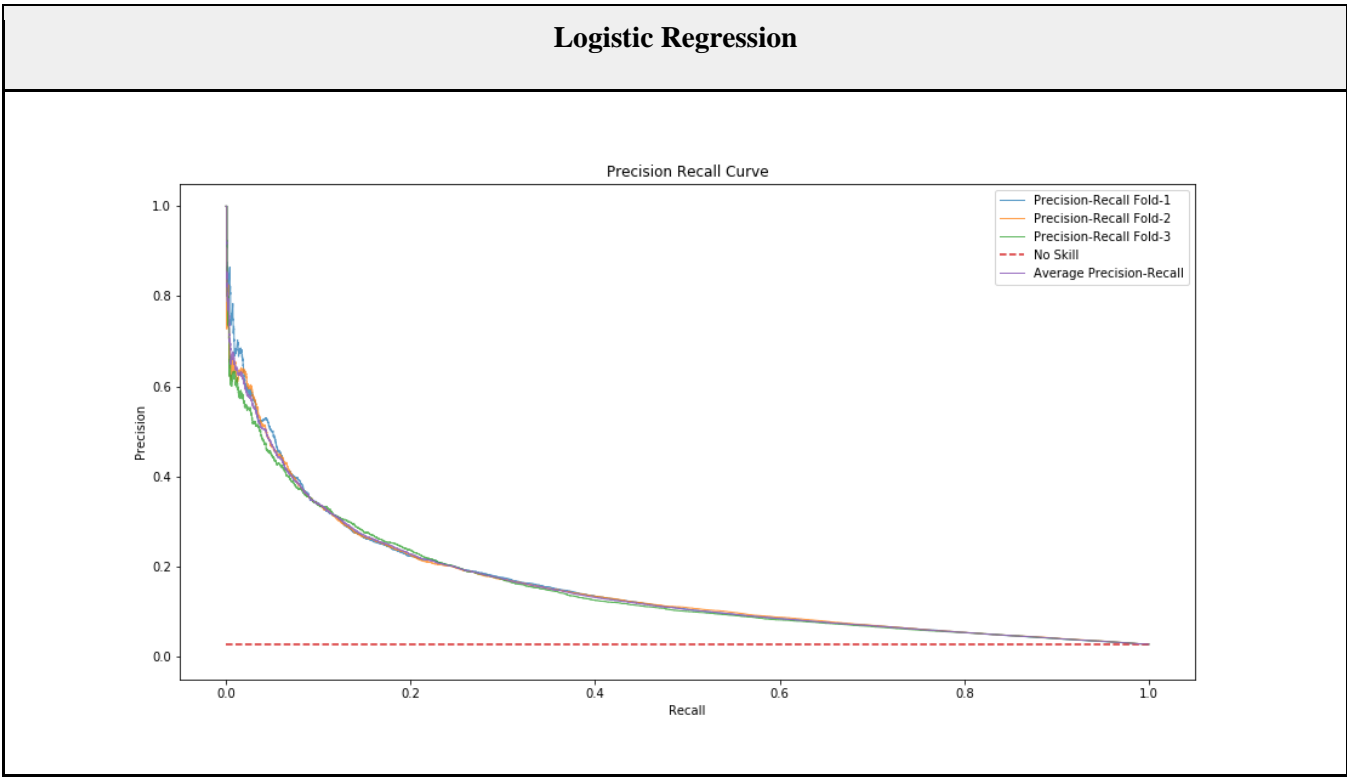
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## Precision-Recall Curve Plots

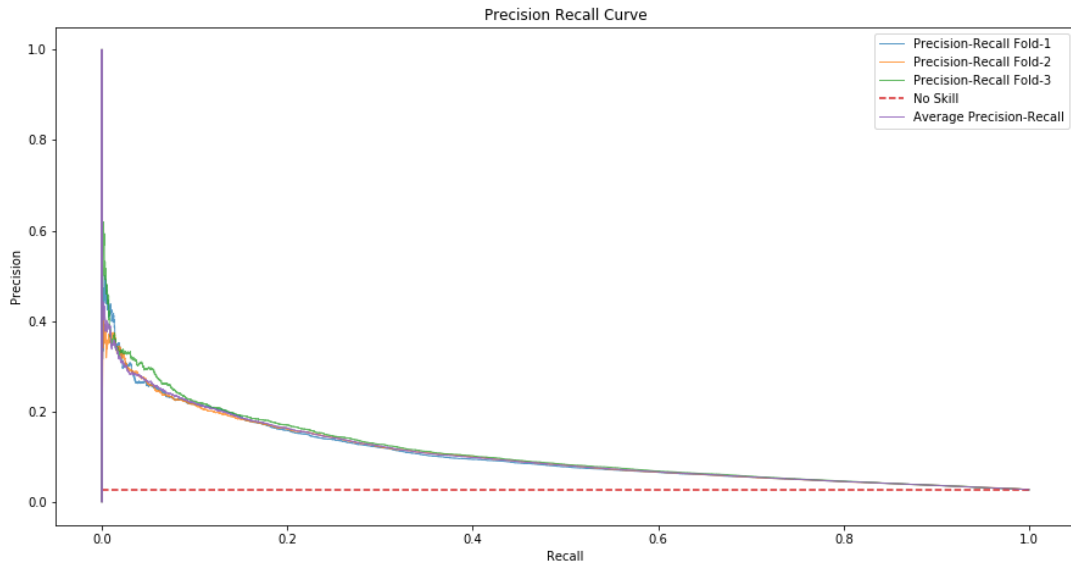
### Cross-Validation Set

6-Month Feature Period & 6-Month Label Period

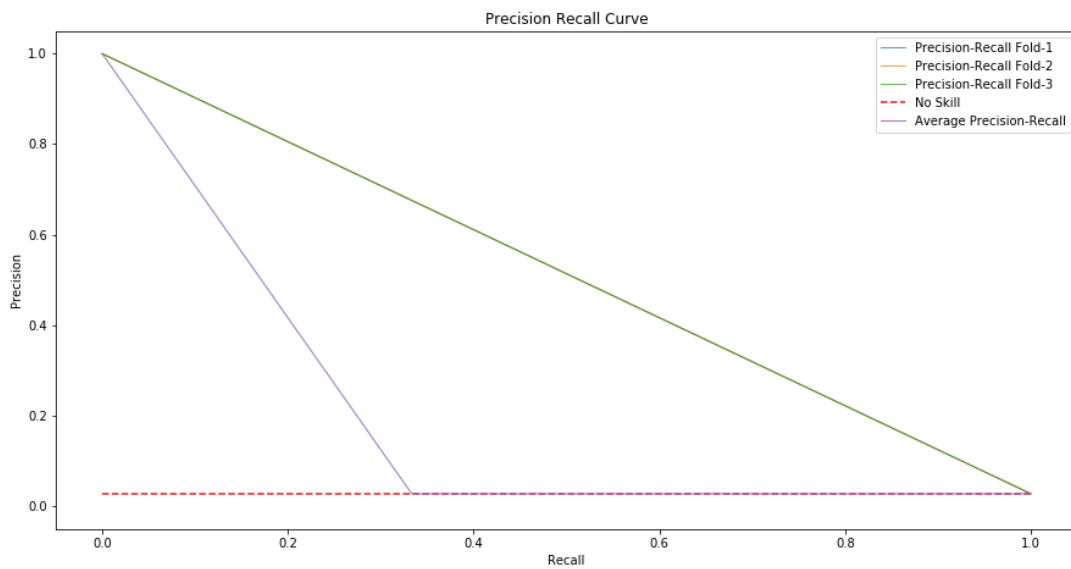
Class Weight False



## Random Forest

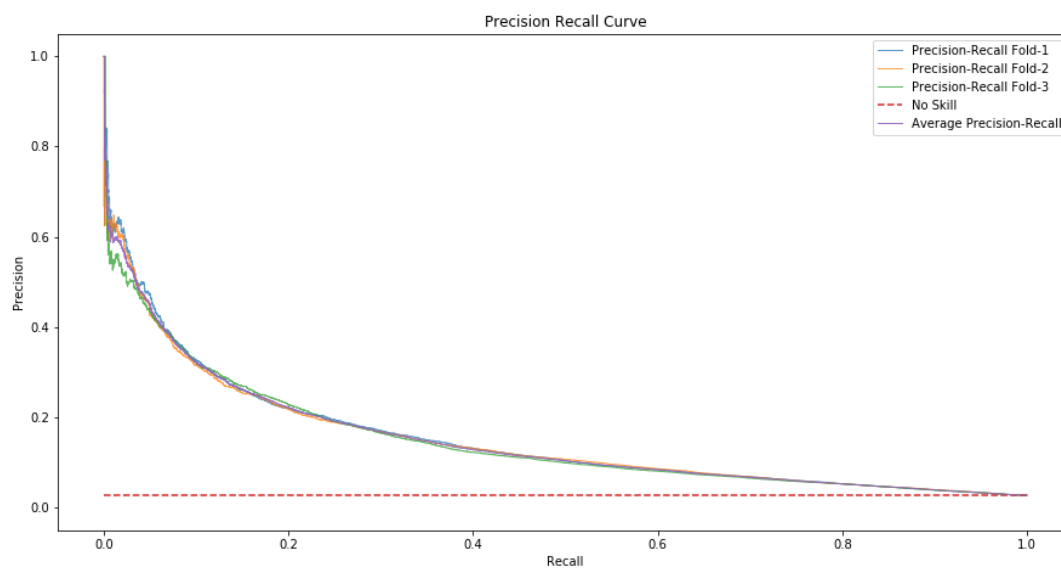


## XGBoost

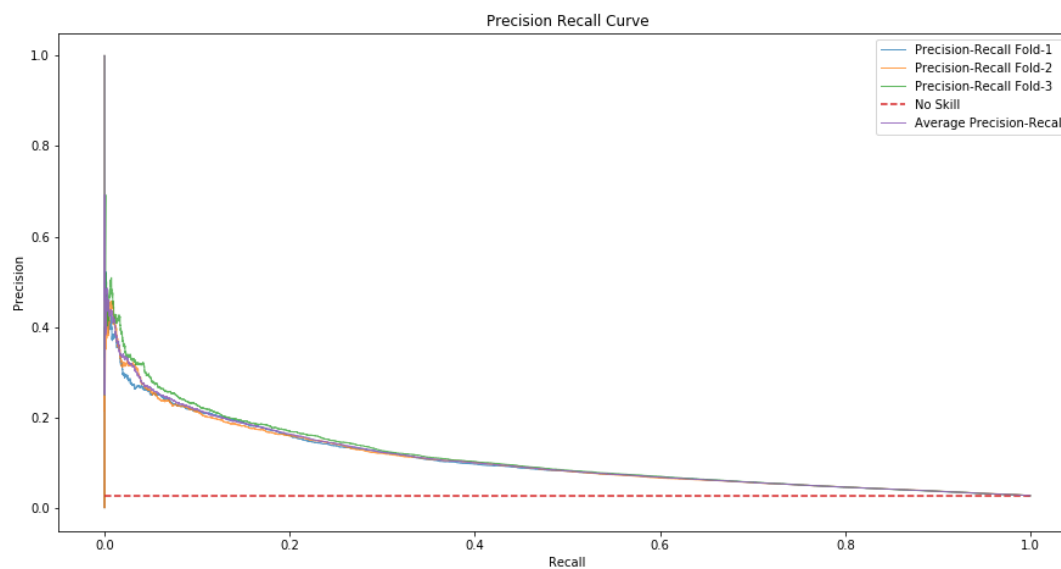


## Class Weight True

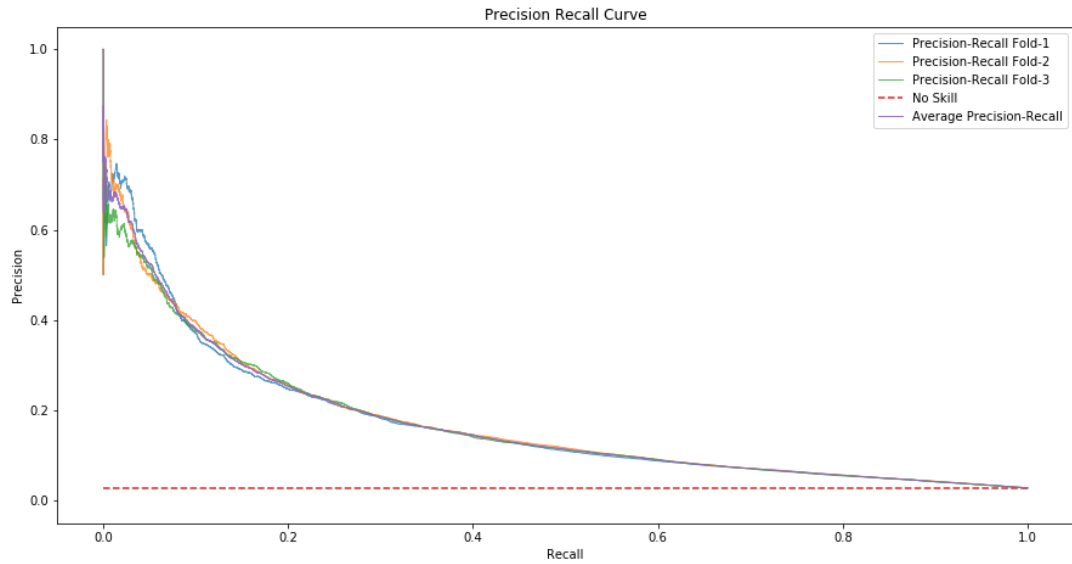
### Logistic Regression



### Random Forest



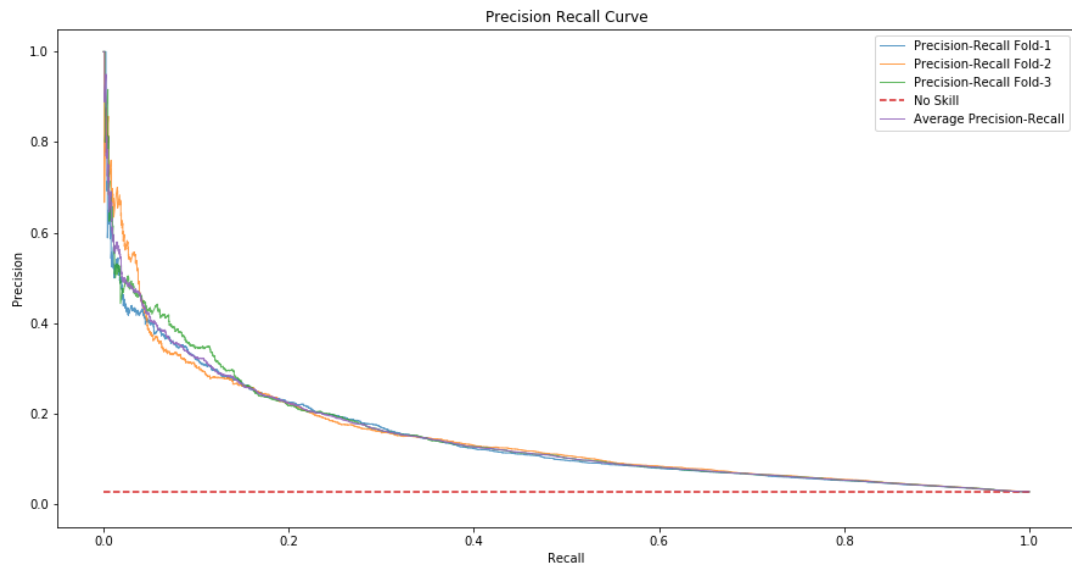
## XGBoost



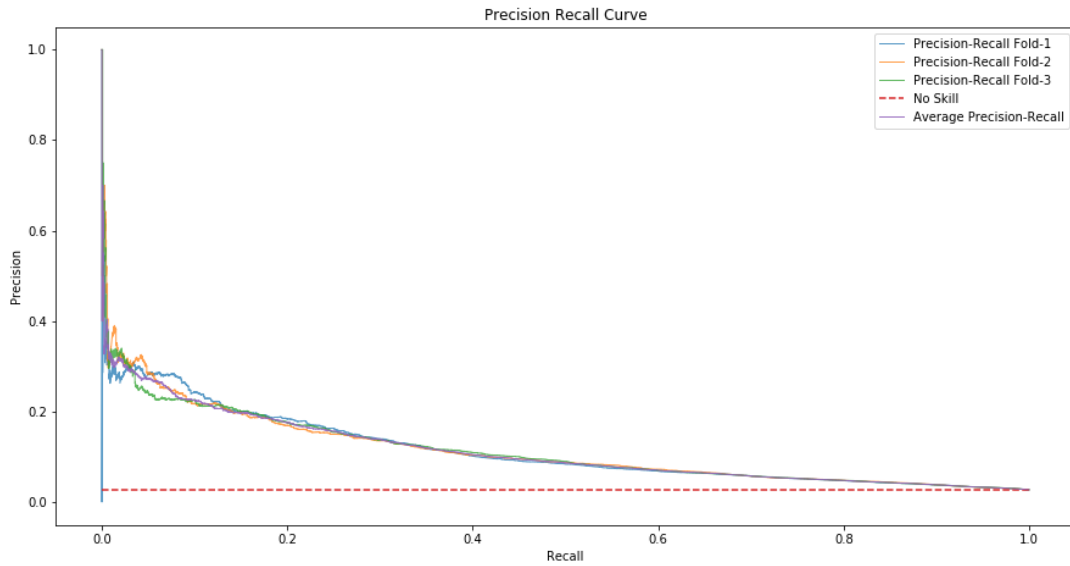
12-Month Feature Period & 6-Month Label Period

Class Weight False

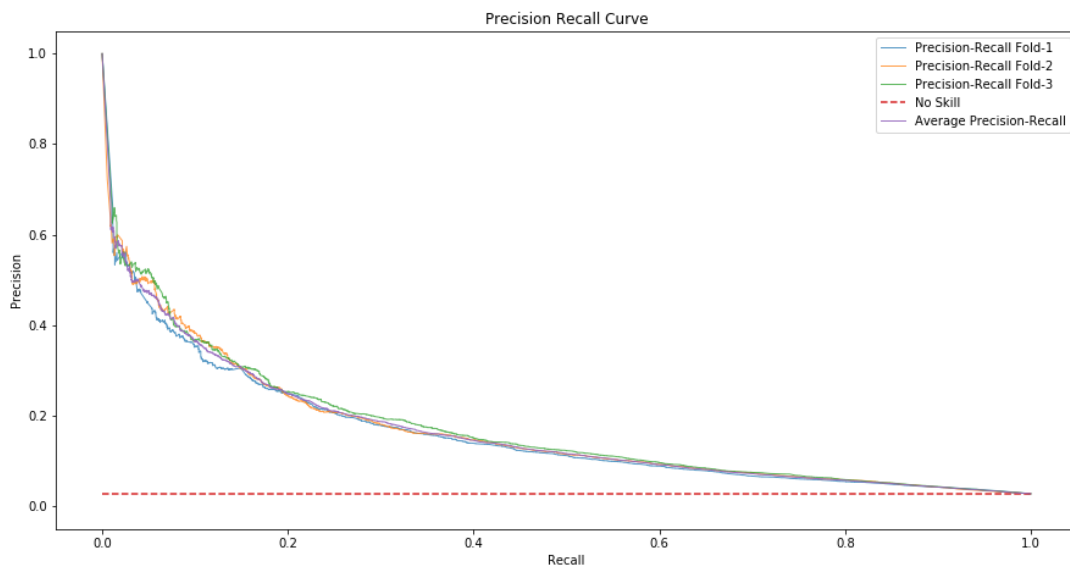
## Logistic Regression



## Random Forest

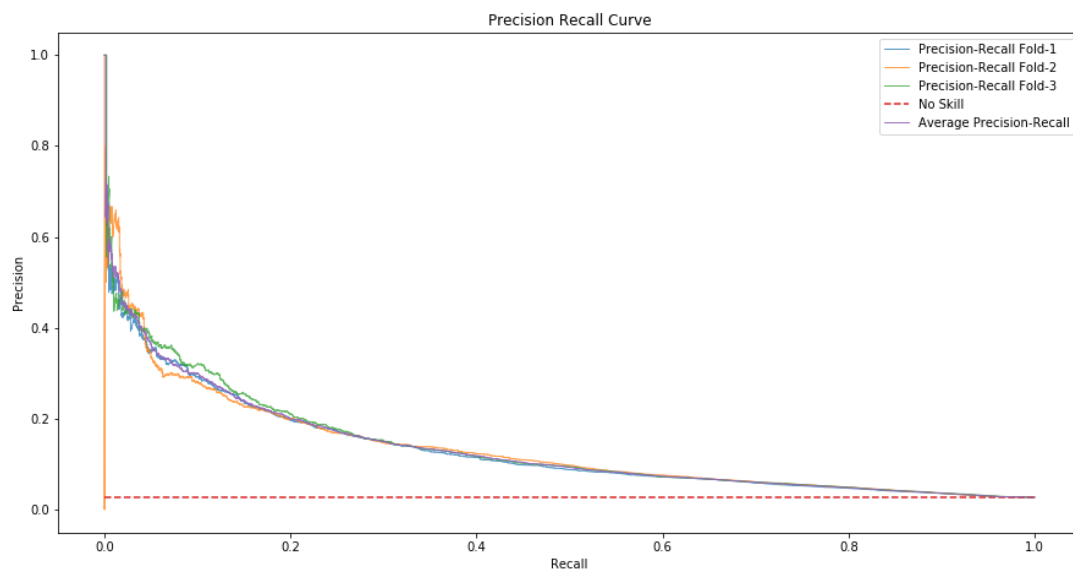


## XGBoost

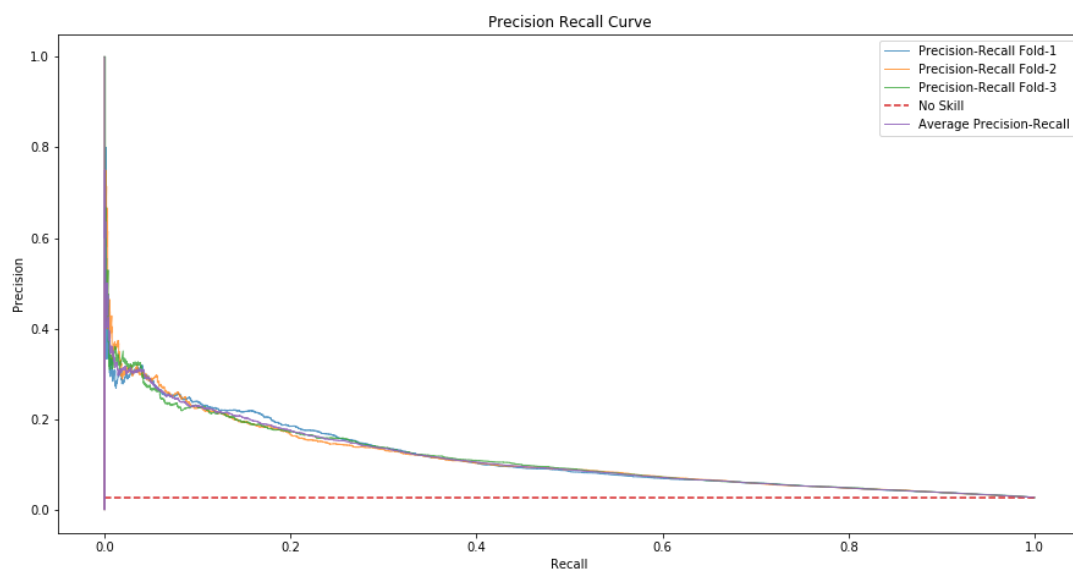


Class Weight True

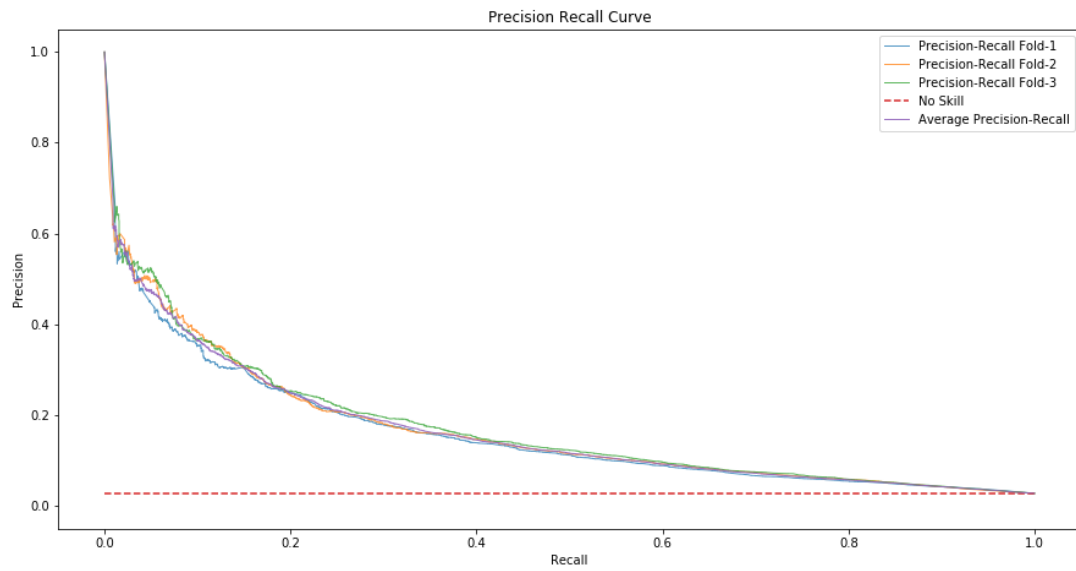
## Logistic Regression



## Random Forest



## XGBoost

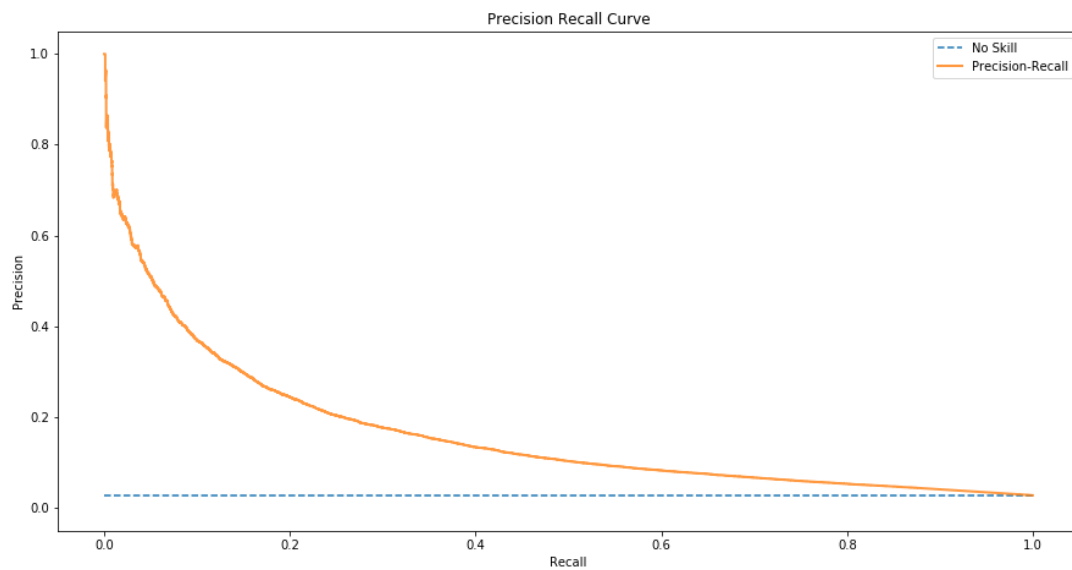


## Holdout Set

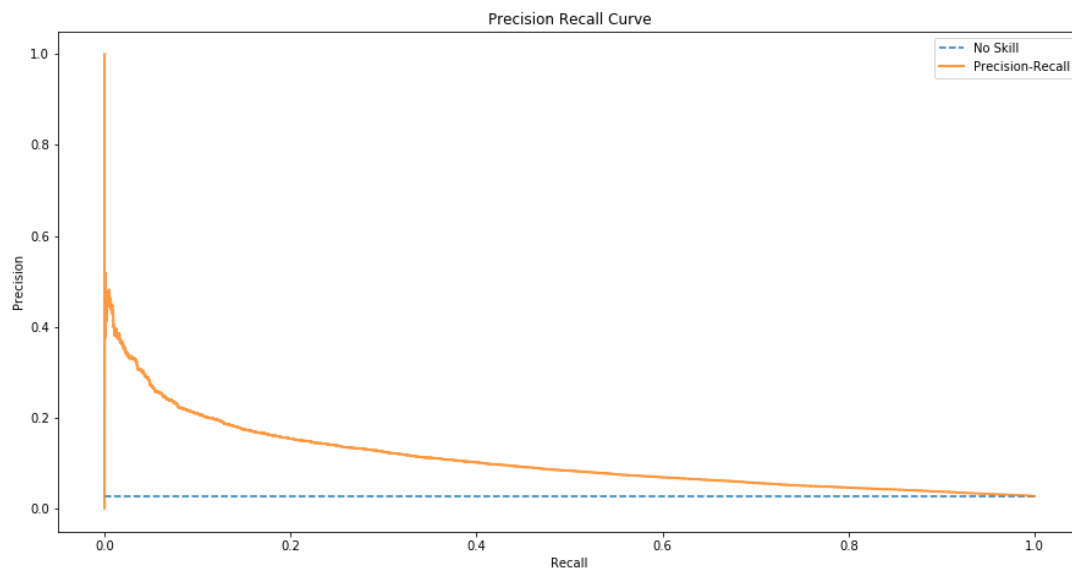
6-Month Feature Period & 6-Month Label Period

Class Weight False

### Logistic Regression

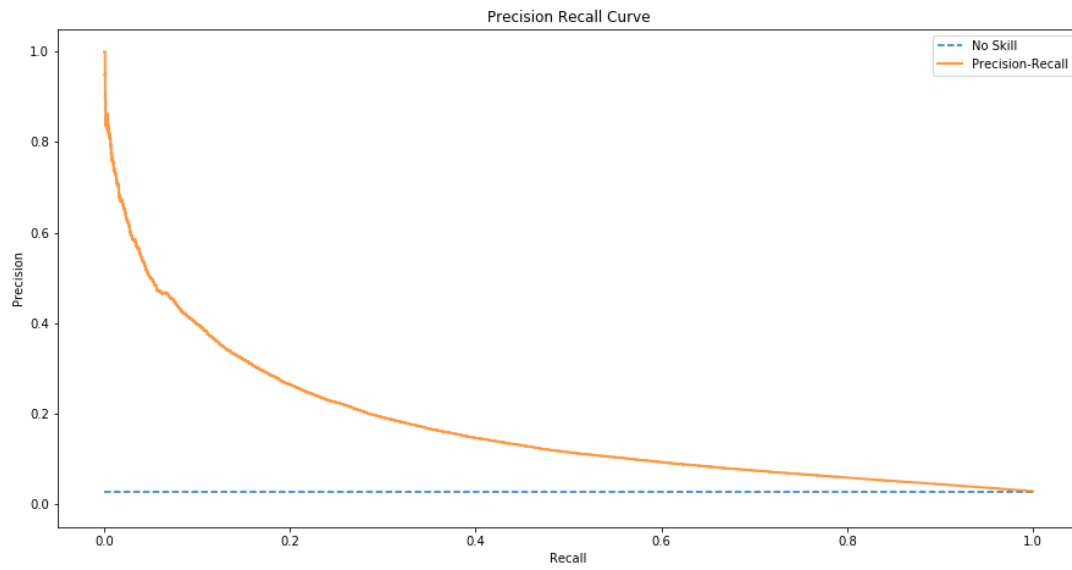


### Random Forest



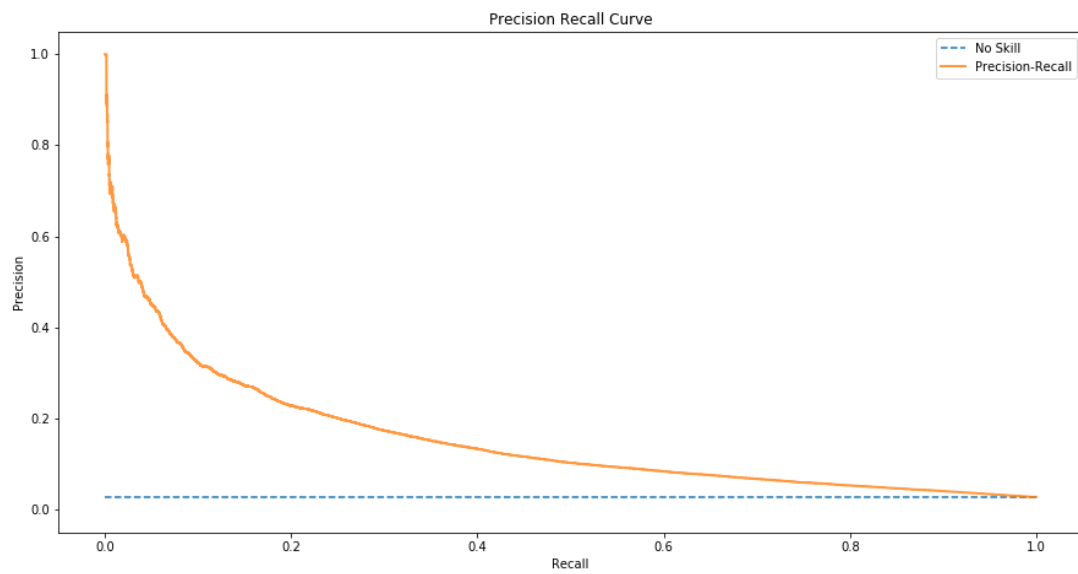


## XGBoost

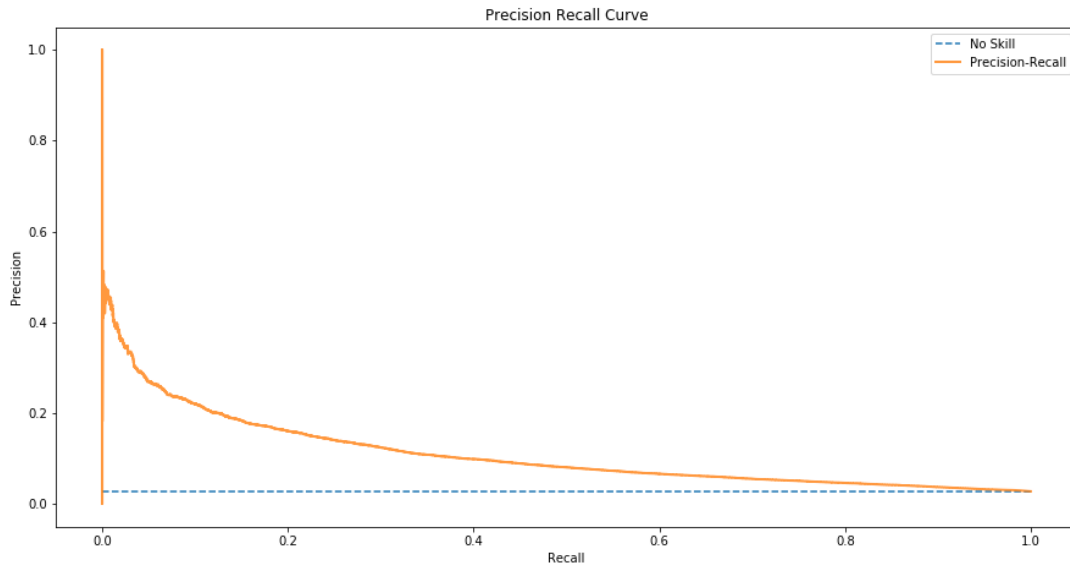


Class Weight True

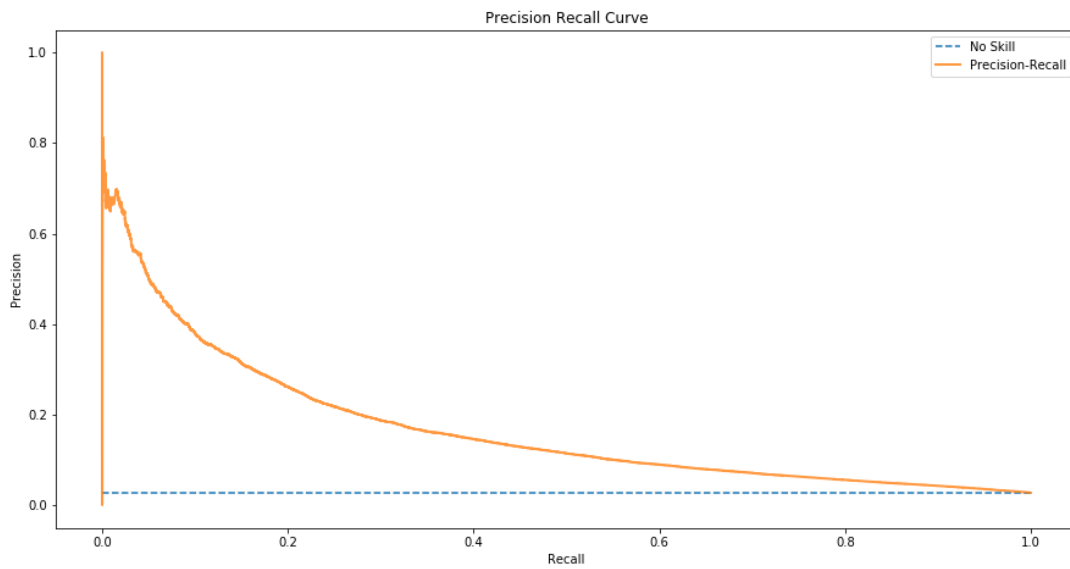
## Logistic Regression



## Random Forest

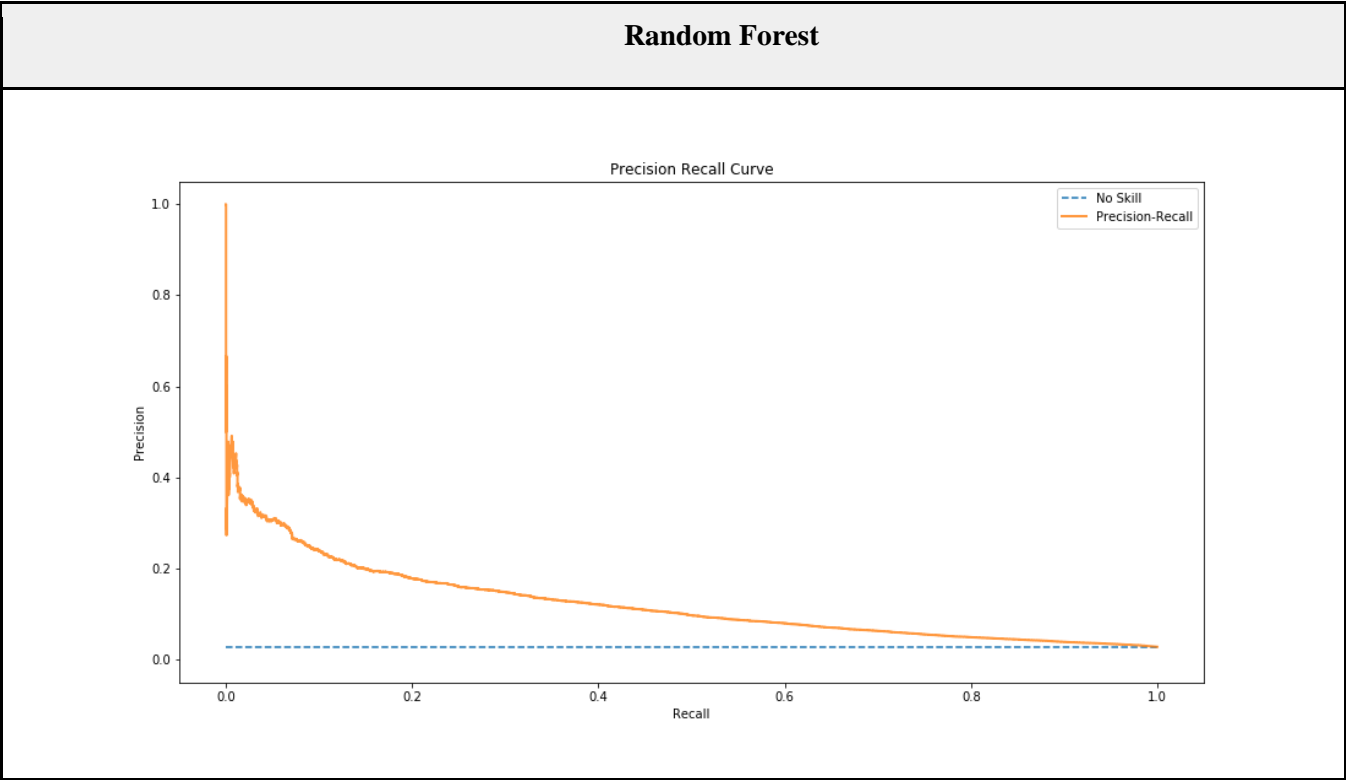
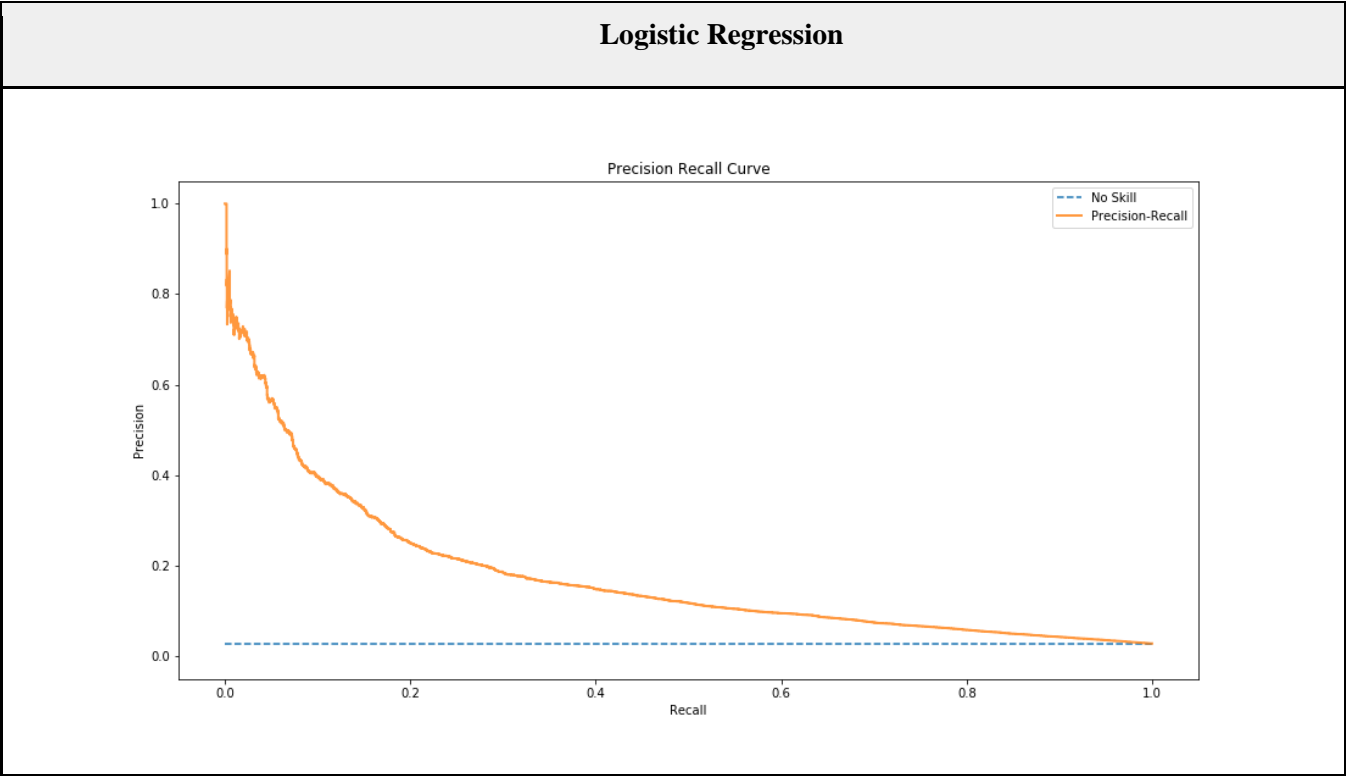


## XGBoost

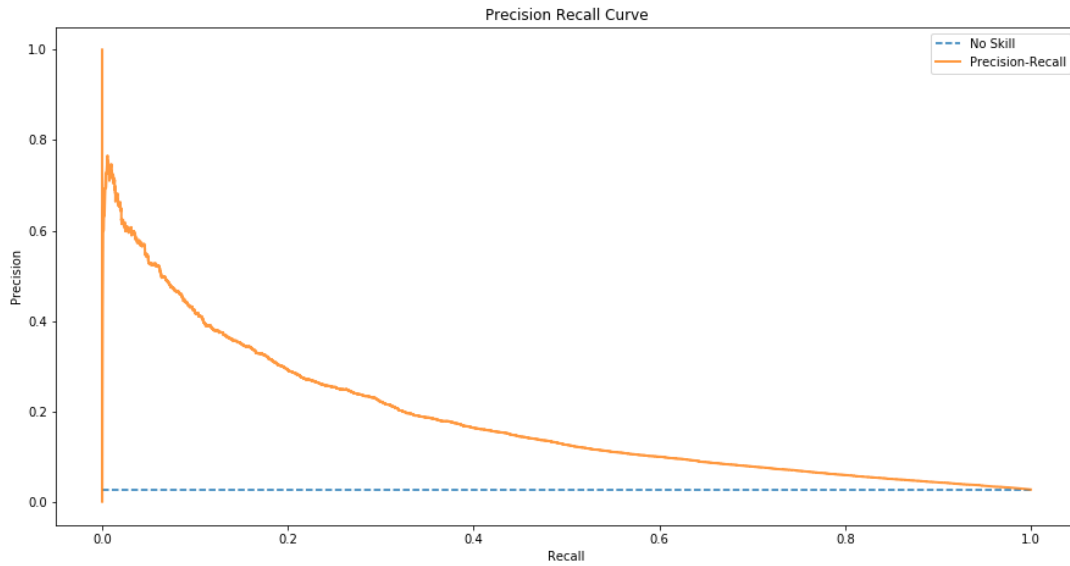


12-Month Feature Period & 6-Month Label Period

Class Weight False

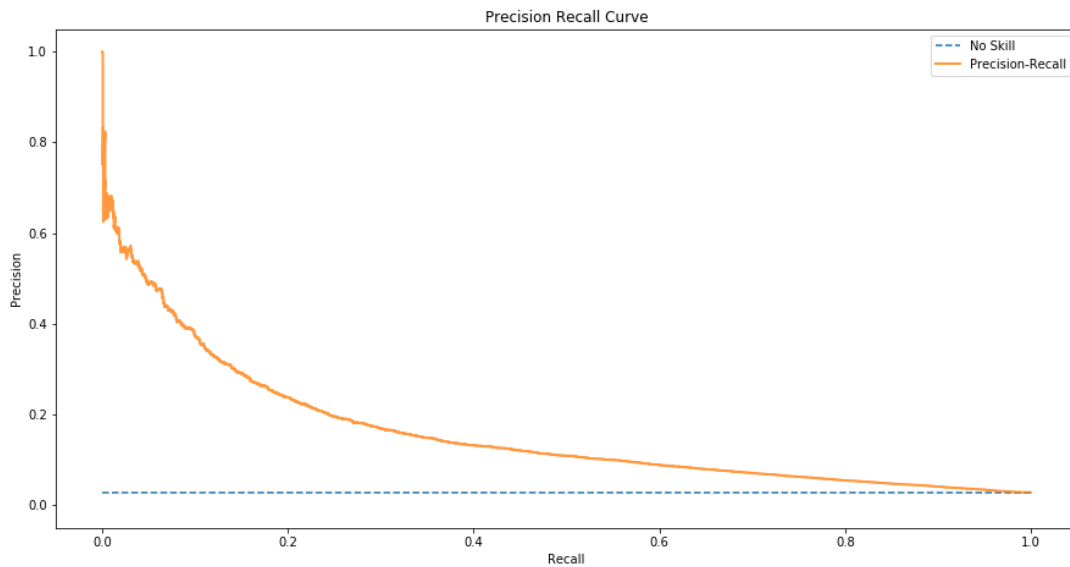


## XGBoost

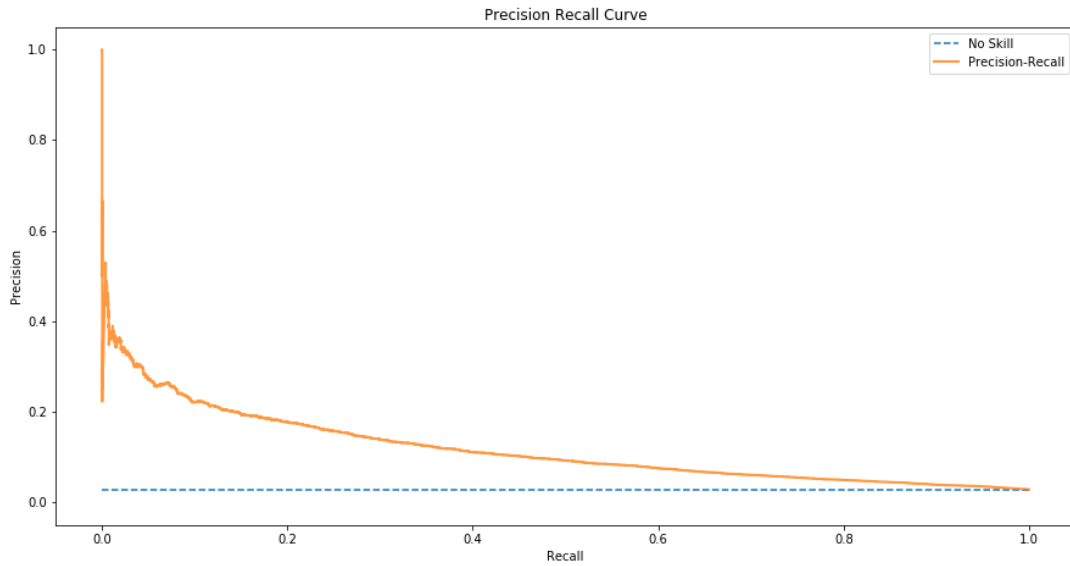


Class Weight True

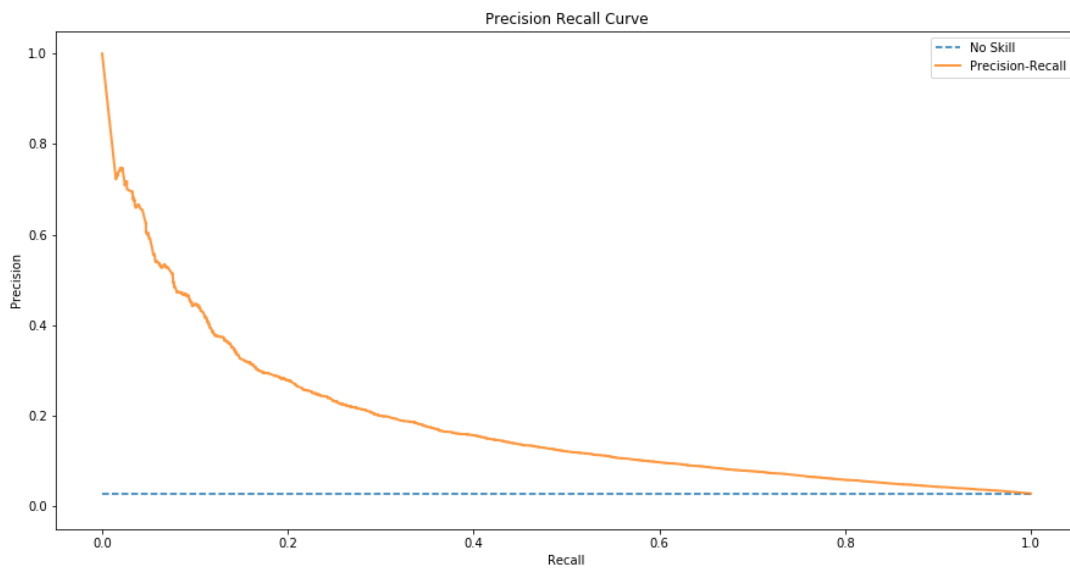
## Logistic Regression



## Random Forest



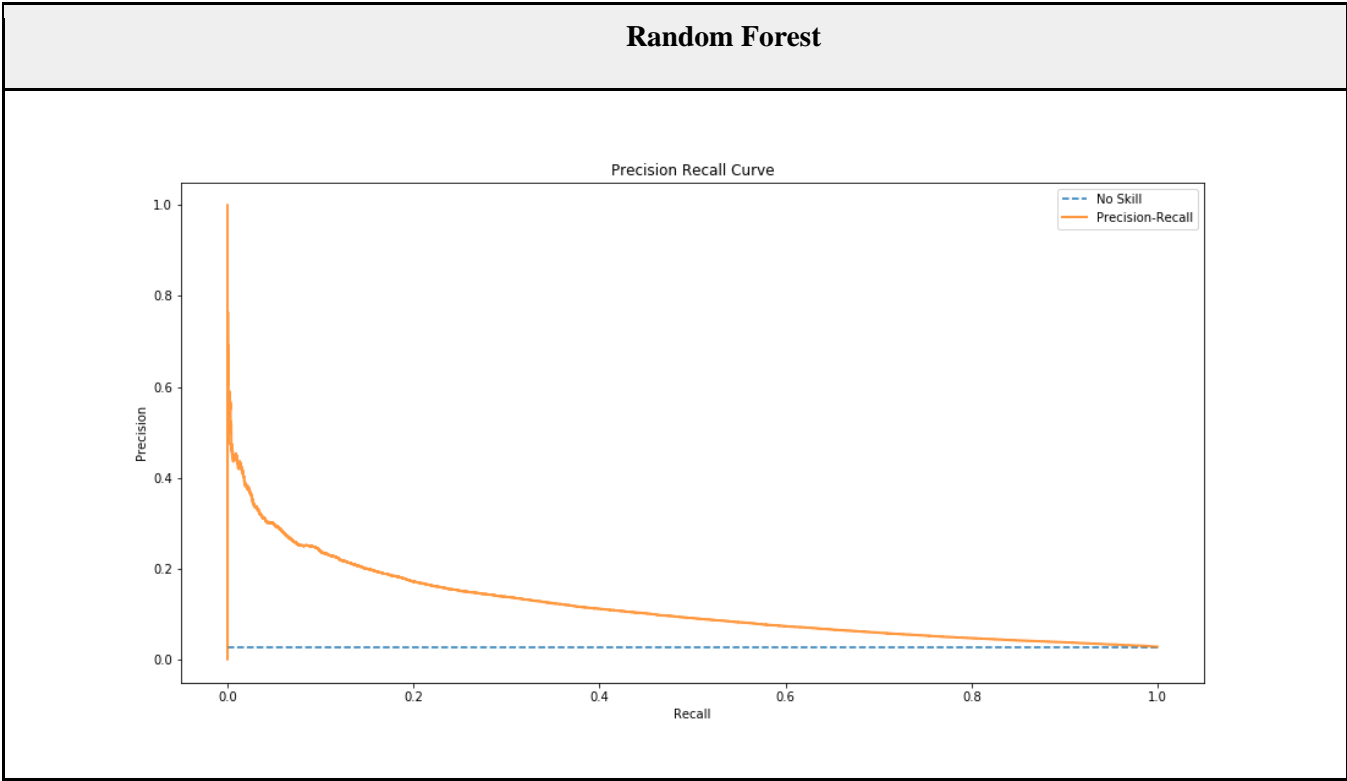
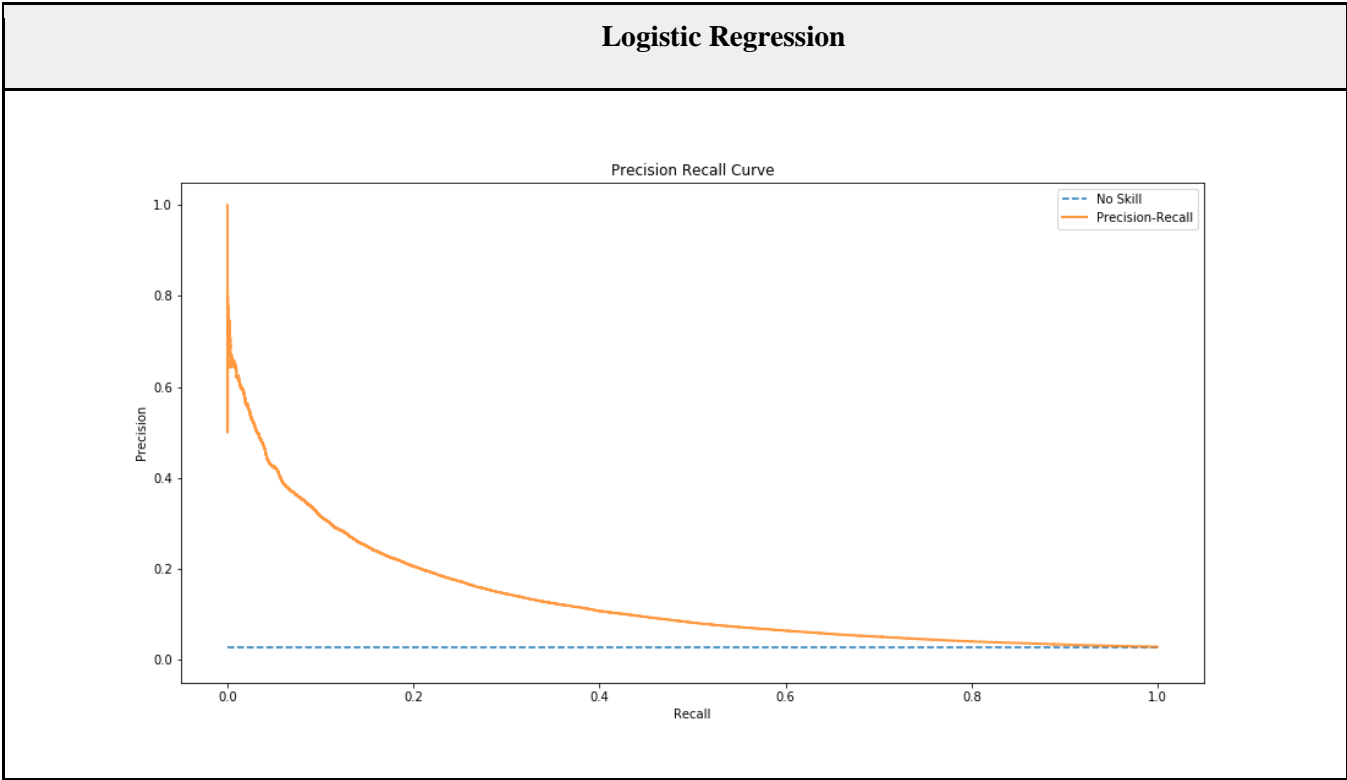
## XGBoost



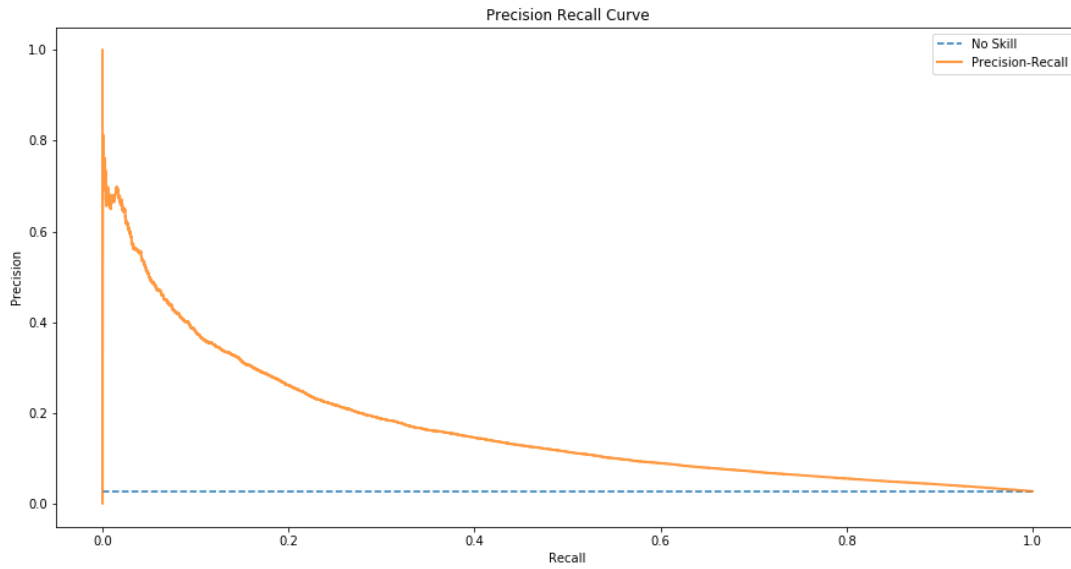
Production Set

6-Month Feature Period & 6-Month Label Period

Class Weight False

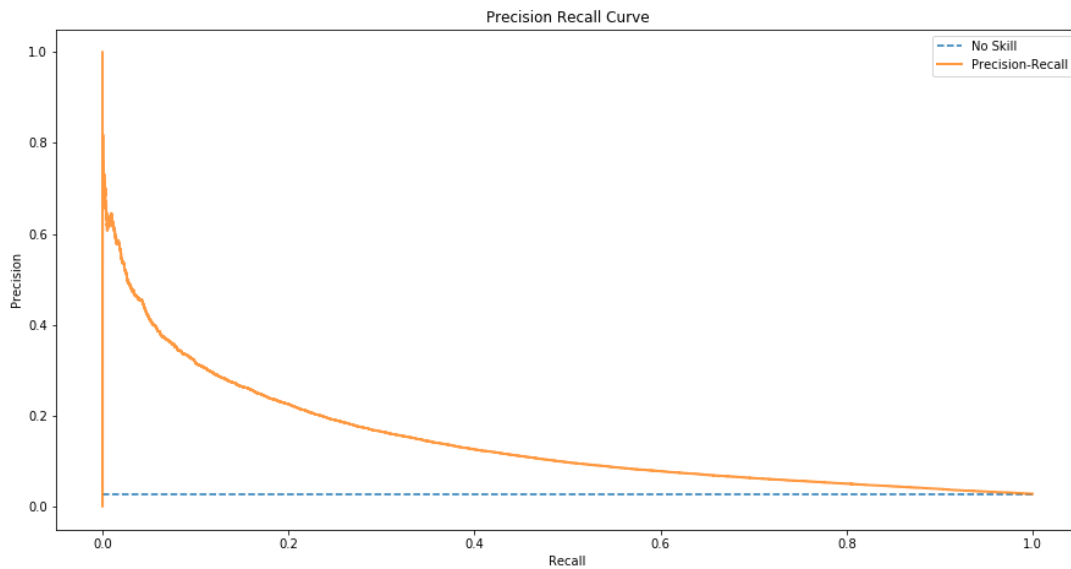


## XGBoost

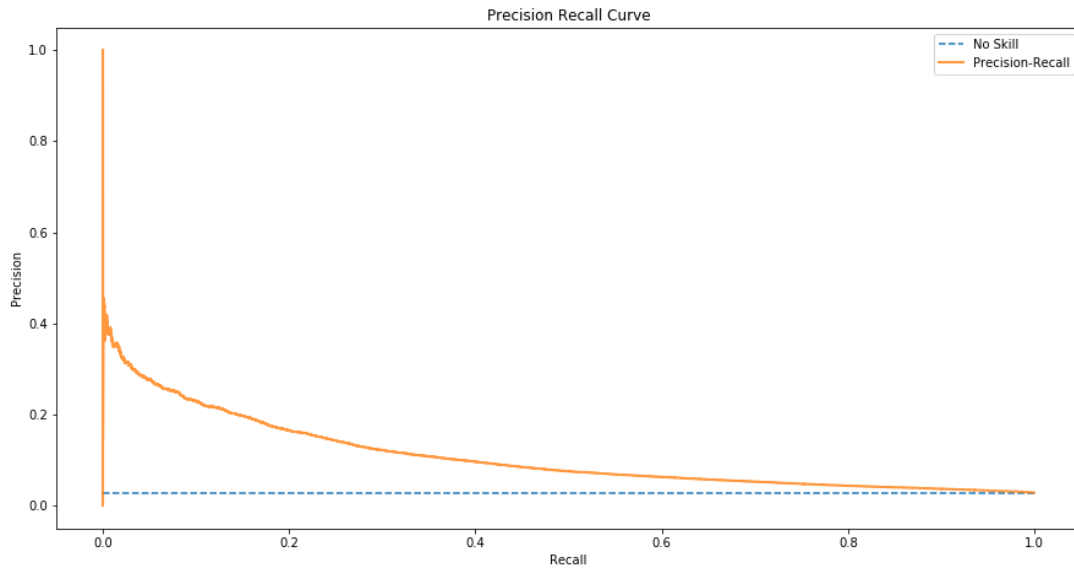


Class Weight True

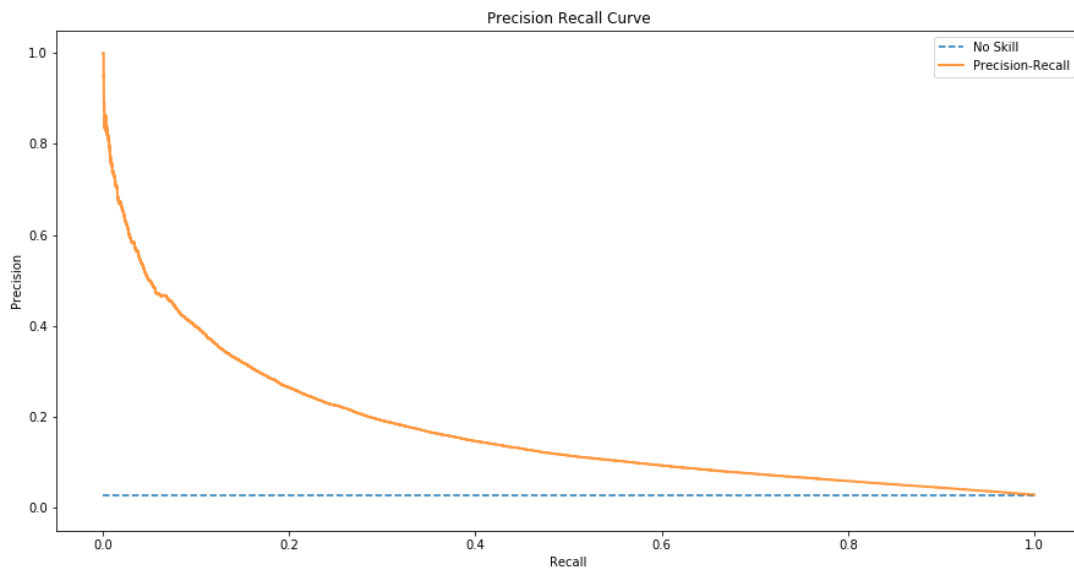
## Logistic Regression



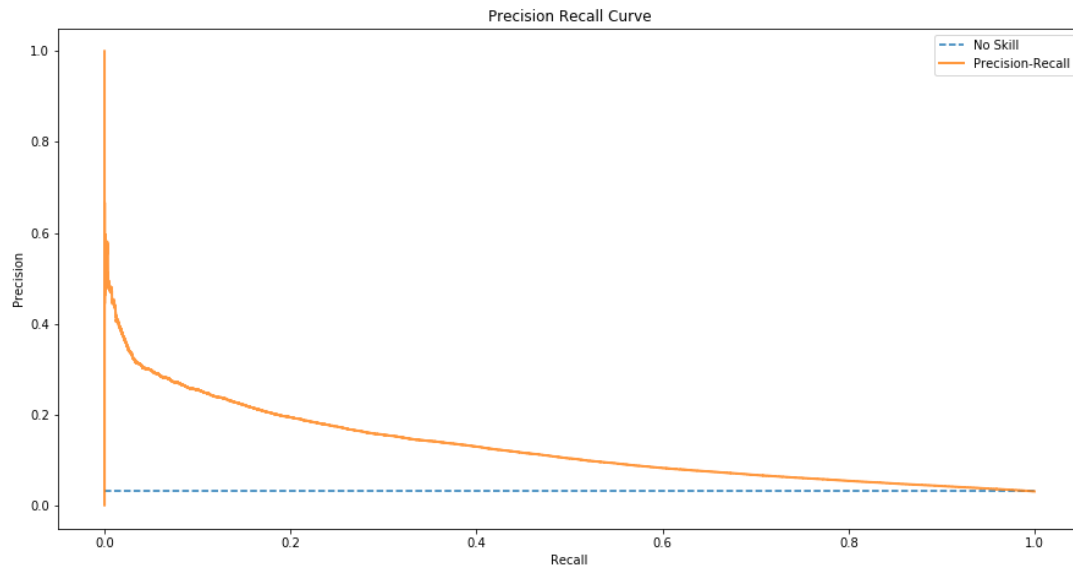
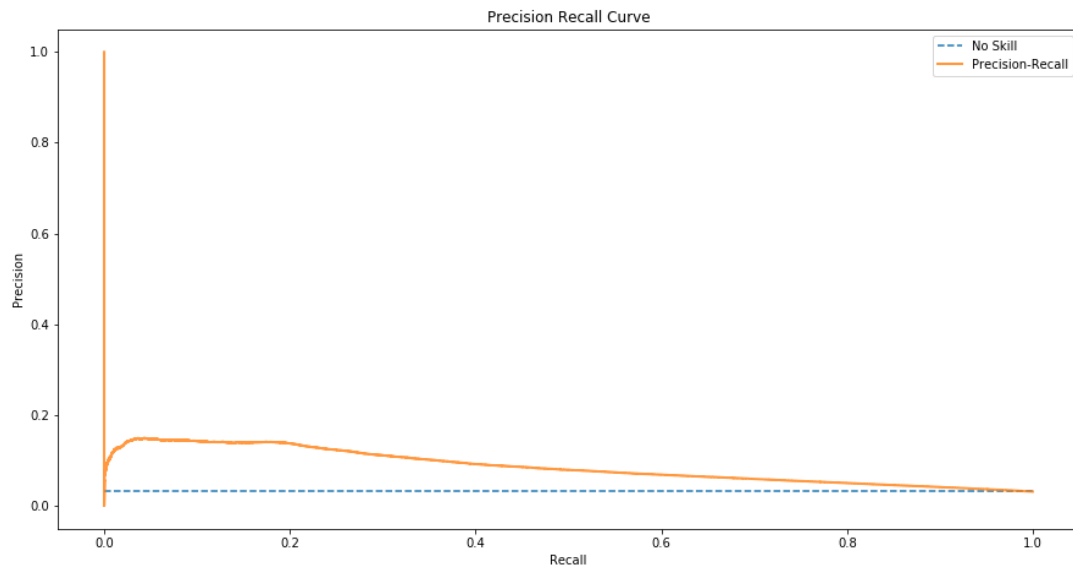
## Random Forest



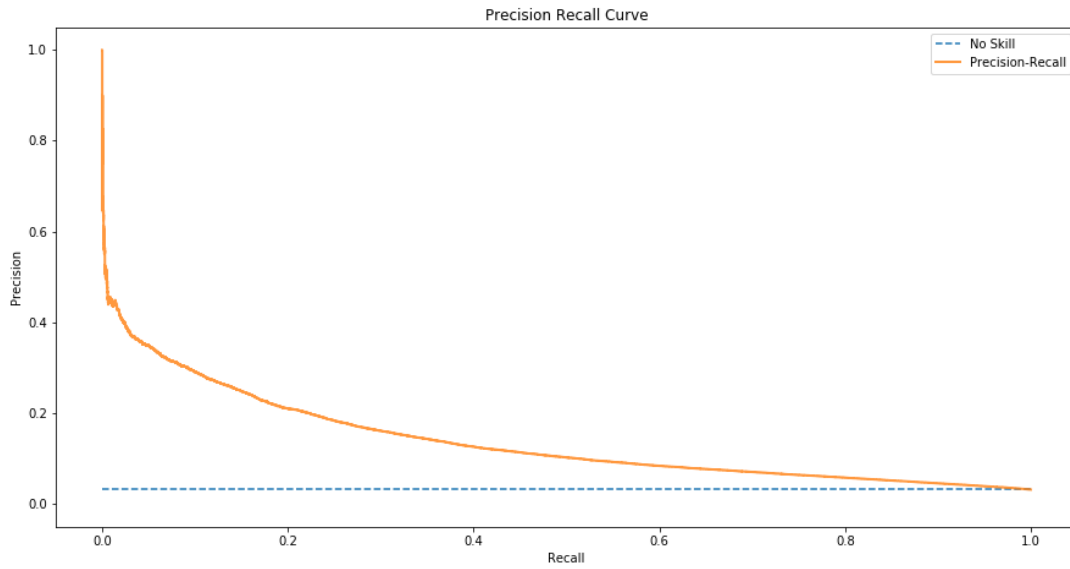
## XGBoost





**Pooled Embeddings****HCNN**

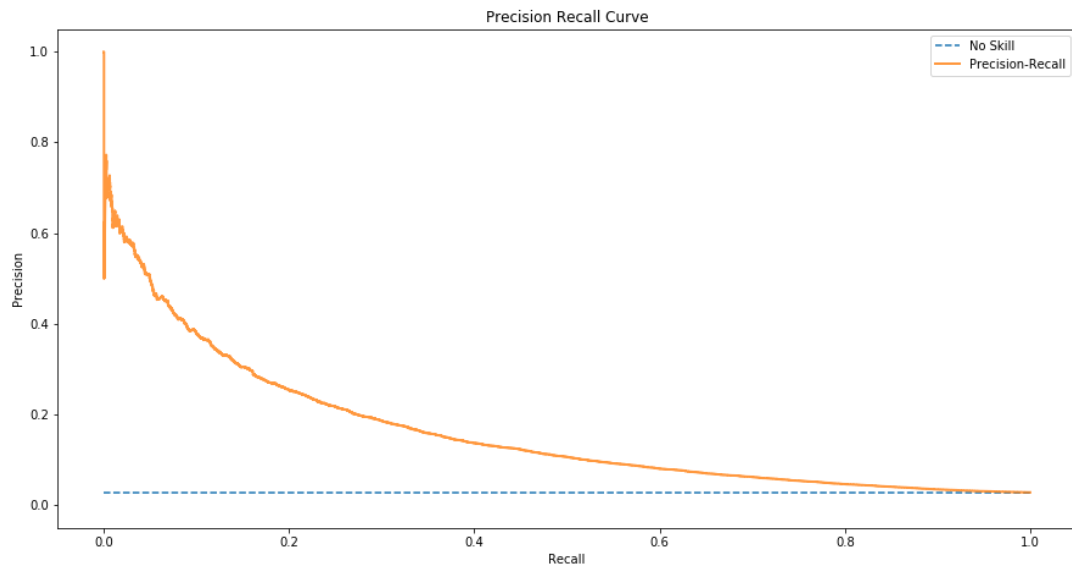
## BILSTM



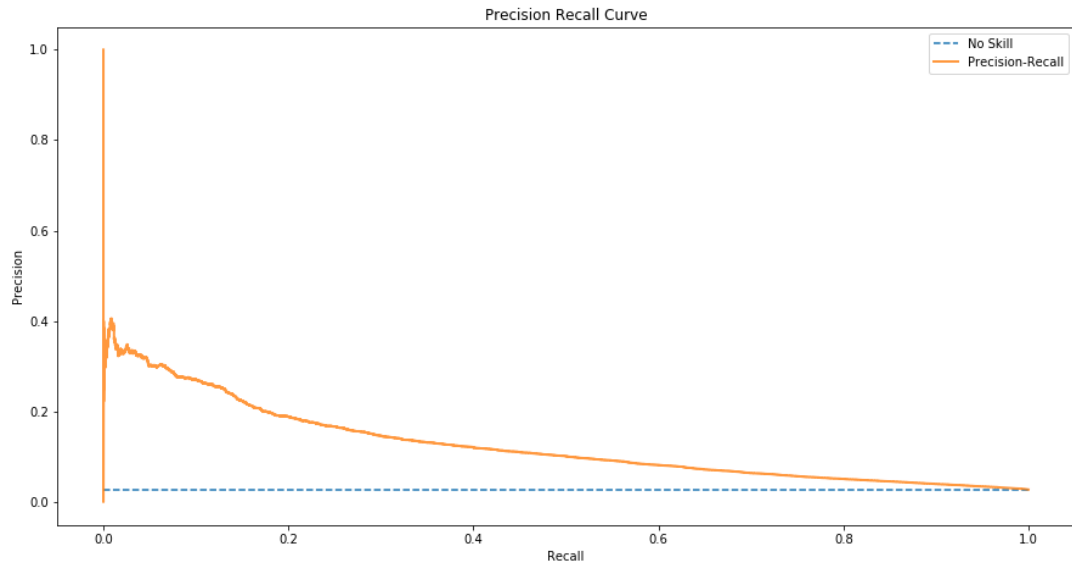
12-Month Feature Period & 6-Month Label Period

Class Weight False

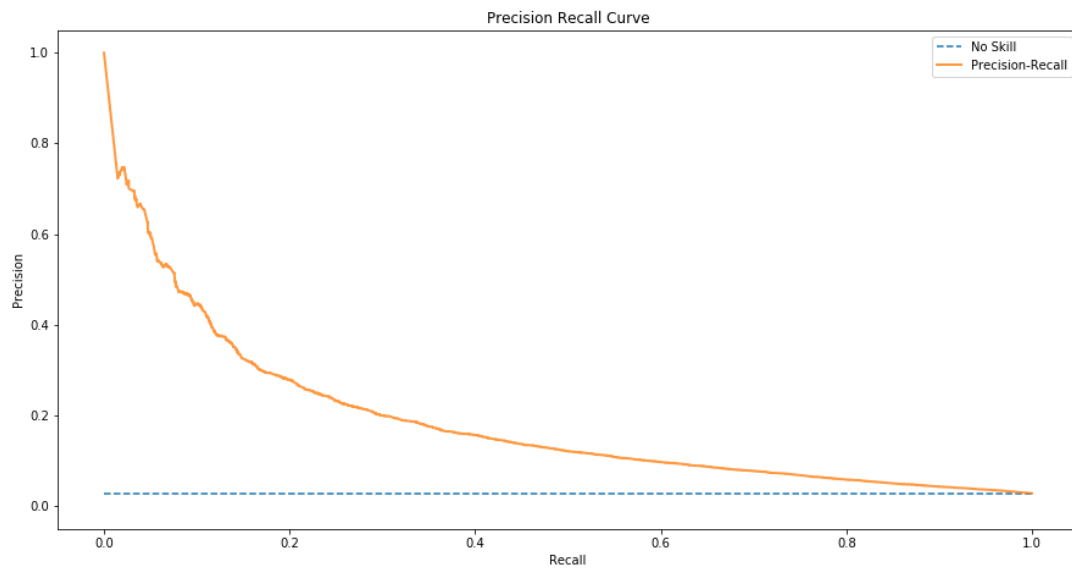
## Logistic Regression



## Random Forest

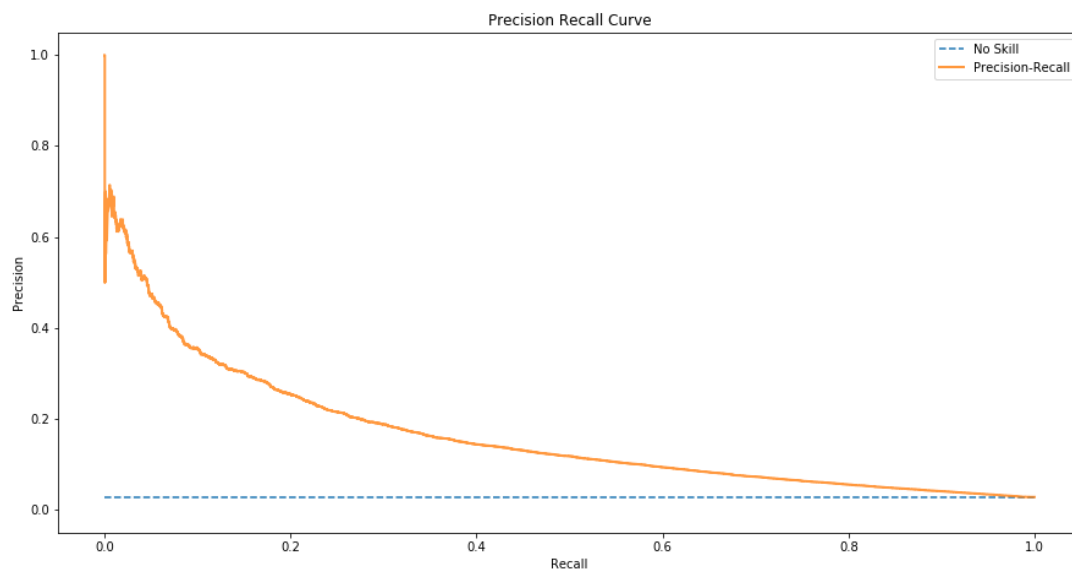


## XGBoost

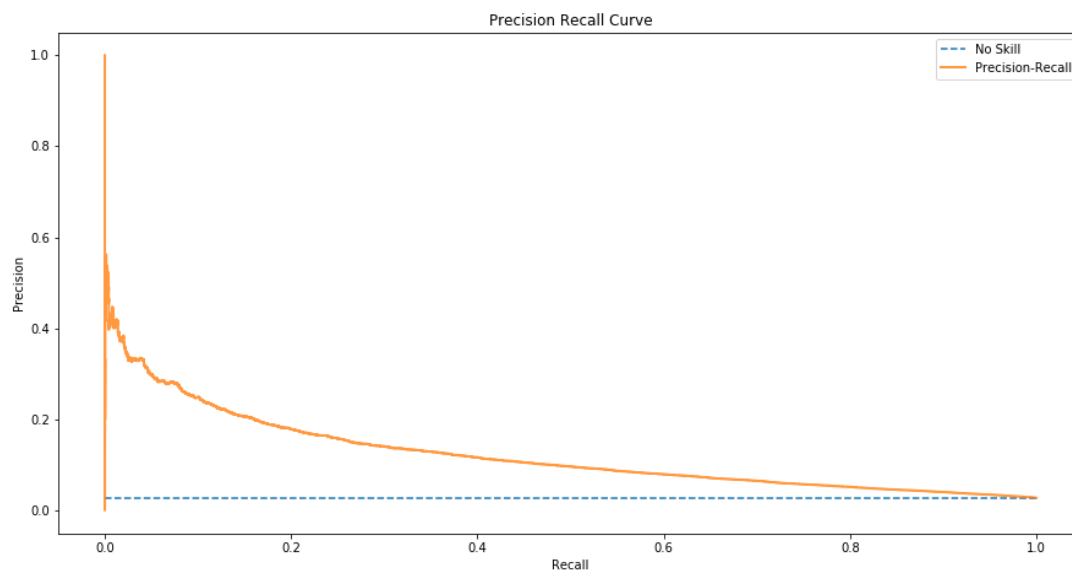


Class Weight True

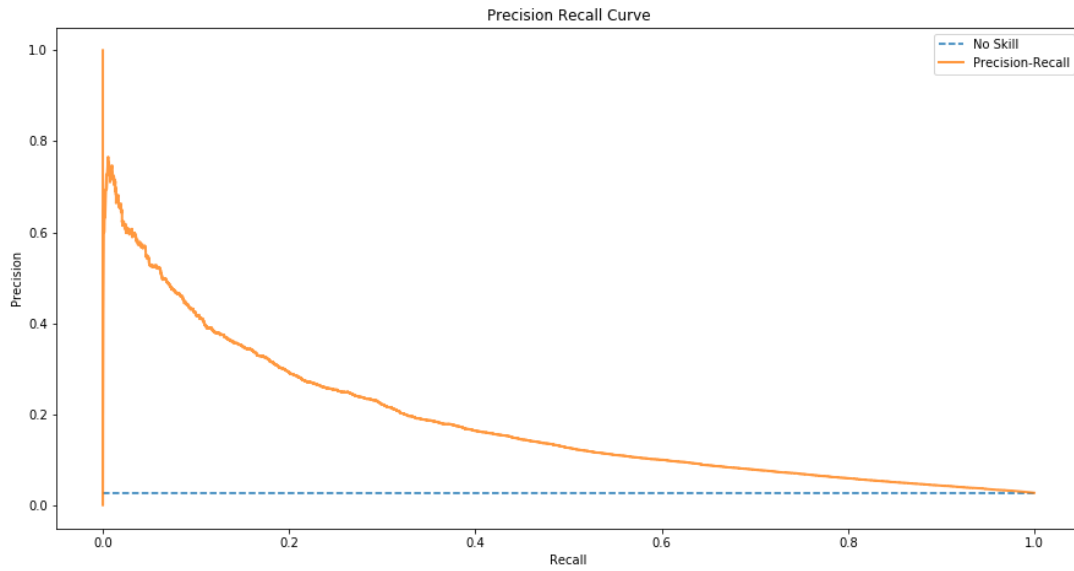
## Logistic Regression



## Random Forest

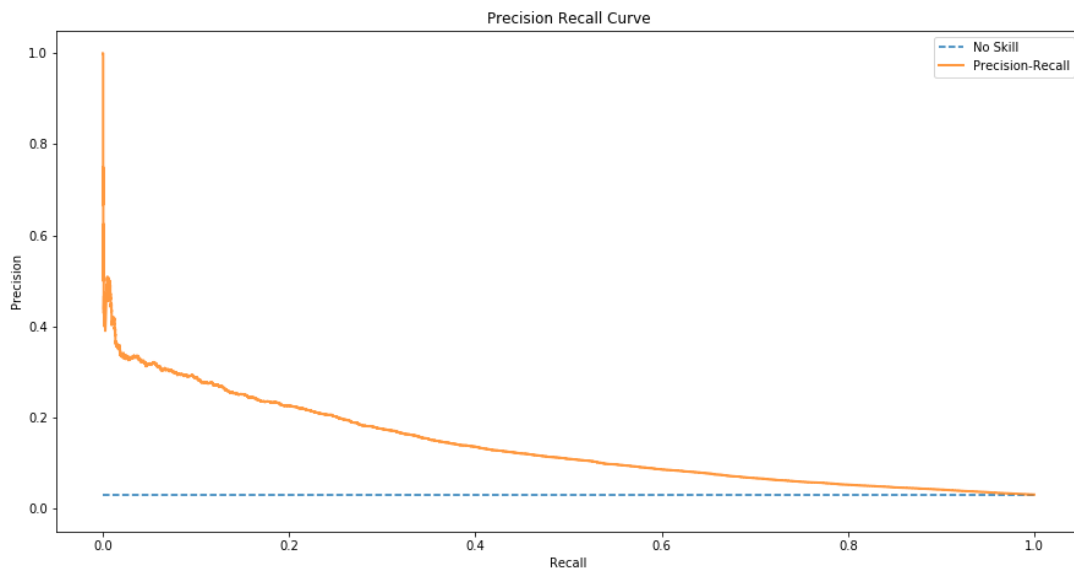


## XGBoost

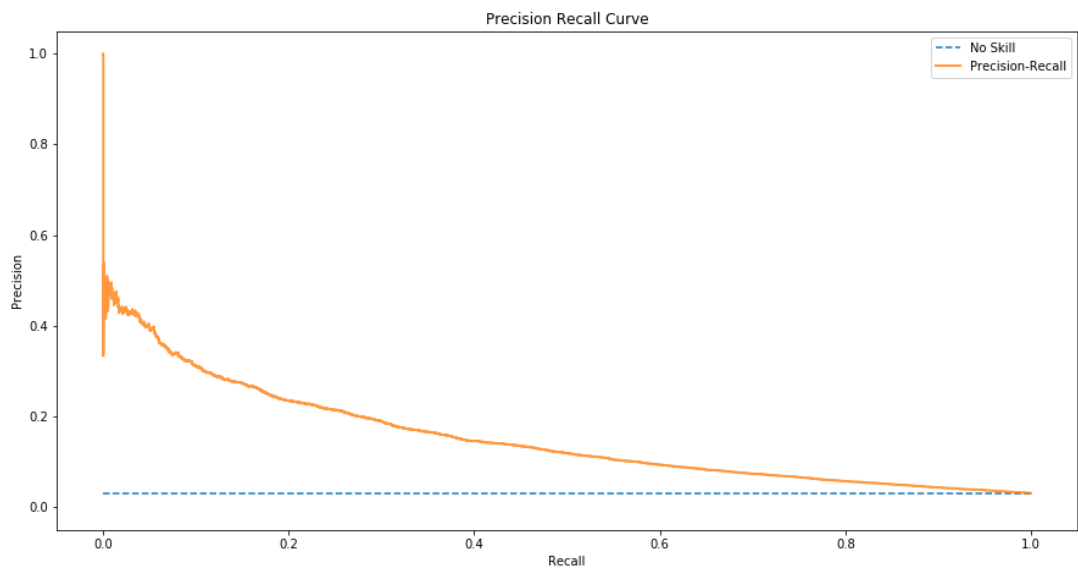
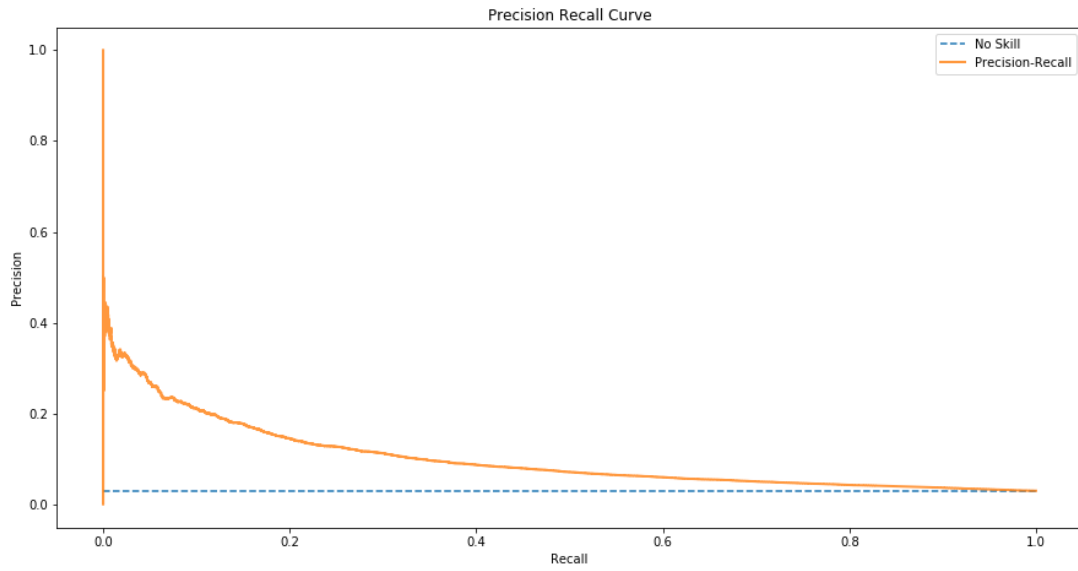


Object2vec

## Pooled Embeddings



## HCNN



## BiLSTM