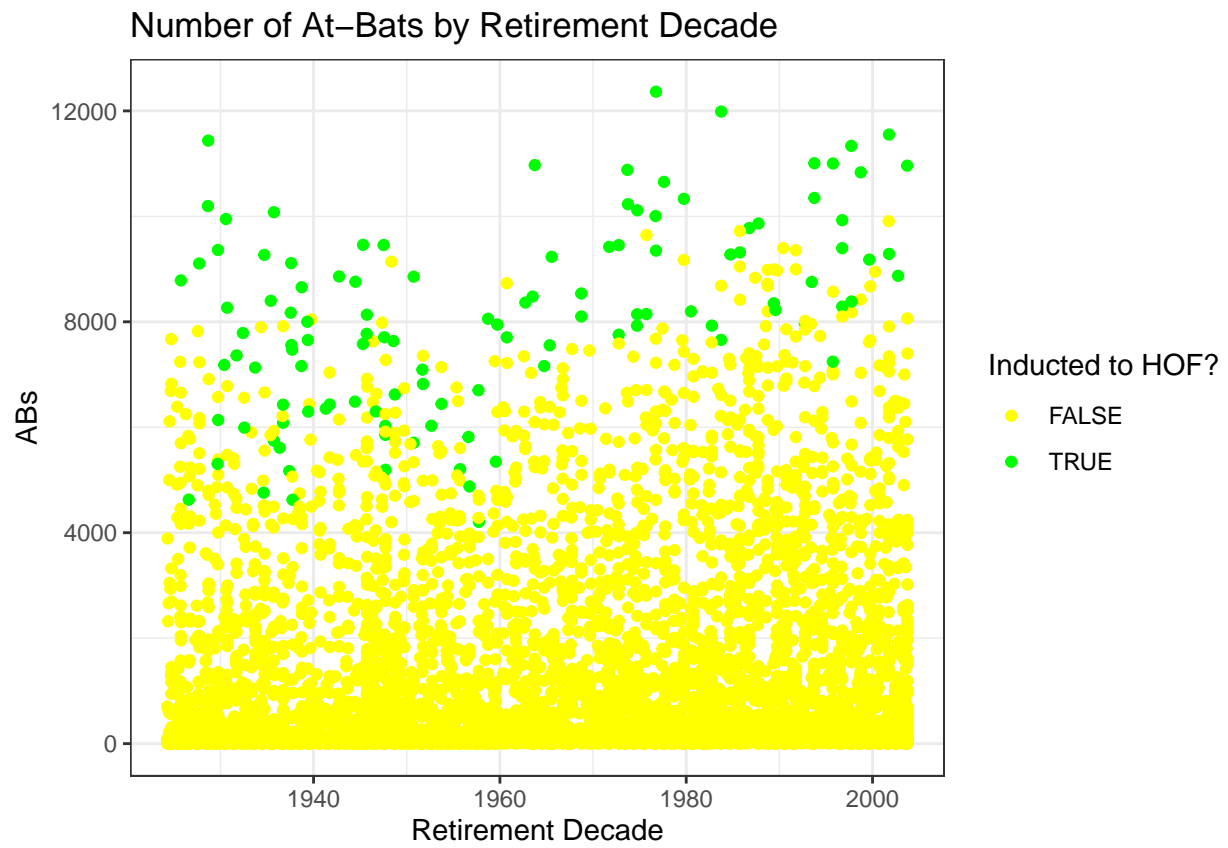


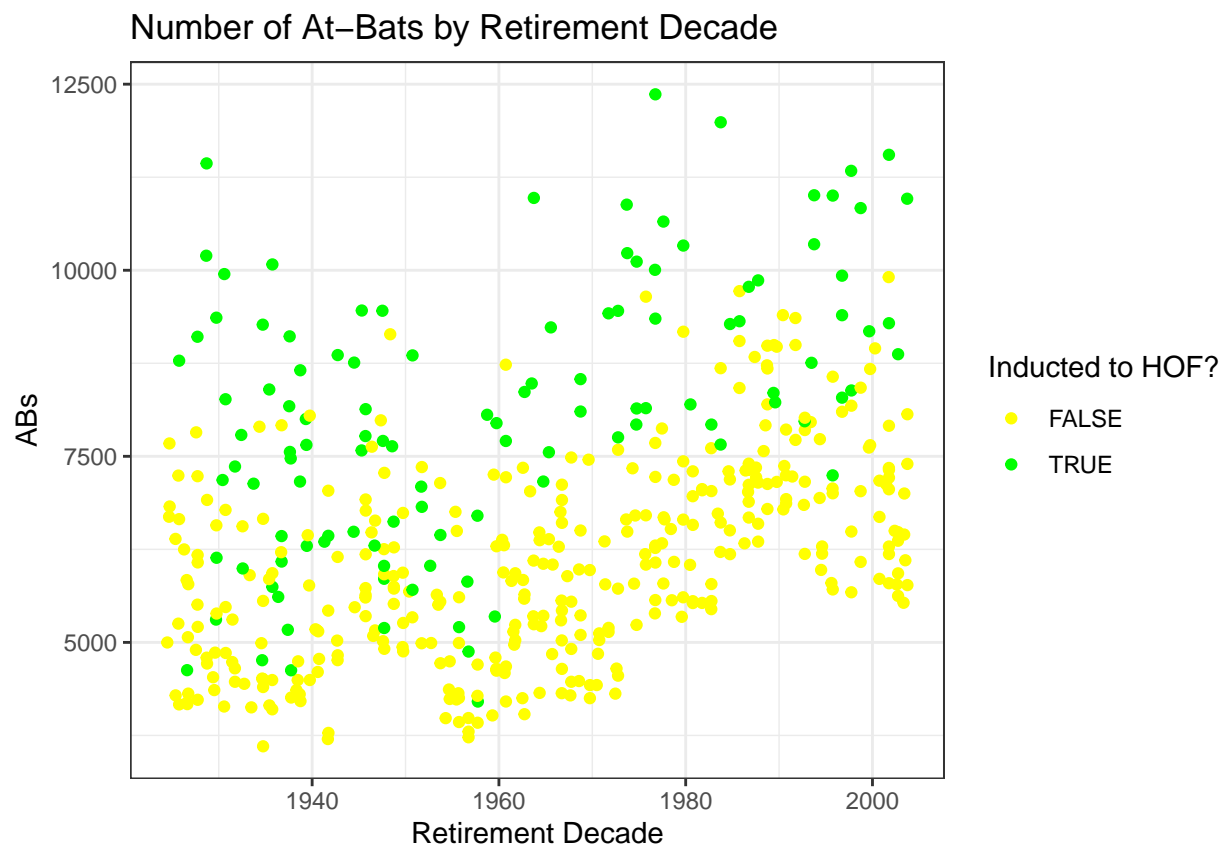
# Final-Report

Jackson Bandow

3/23/2021



```
## [1] "Composition of HOF batters in data: 2.2%."
```



```
## [1] "Composition of HOF batters in data: 23.96%."
```

#### First Player Value Logistic Modeling Results

Regressors	Misclass Rate	AUC
WAR	12.7%	0.912
Standard Statistics	13.1%	0.897
Combined	11.9%	0.927

#### Second Player Value Logistic Modeling Results Standardized by Retirement Decade

Regressors	Misclass Rate	AUC
WAR	10.8%	0.938
Standard Statistics	12.1%	0.896
Combined	11.5%	0.938

#### Third Player Value Logistic Modeling Results Standardized by Retirement Decade with Retirement Decade Interactions

Regressors	Misclass Rate	AUC
WAR	10.8%	0.943

Standard Statistics	15.8%	0.885
Combined	11.7%	0.940

WAR vs. Induction Status by Classification Accuracy

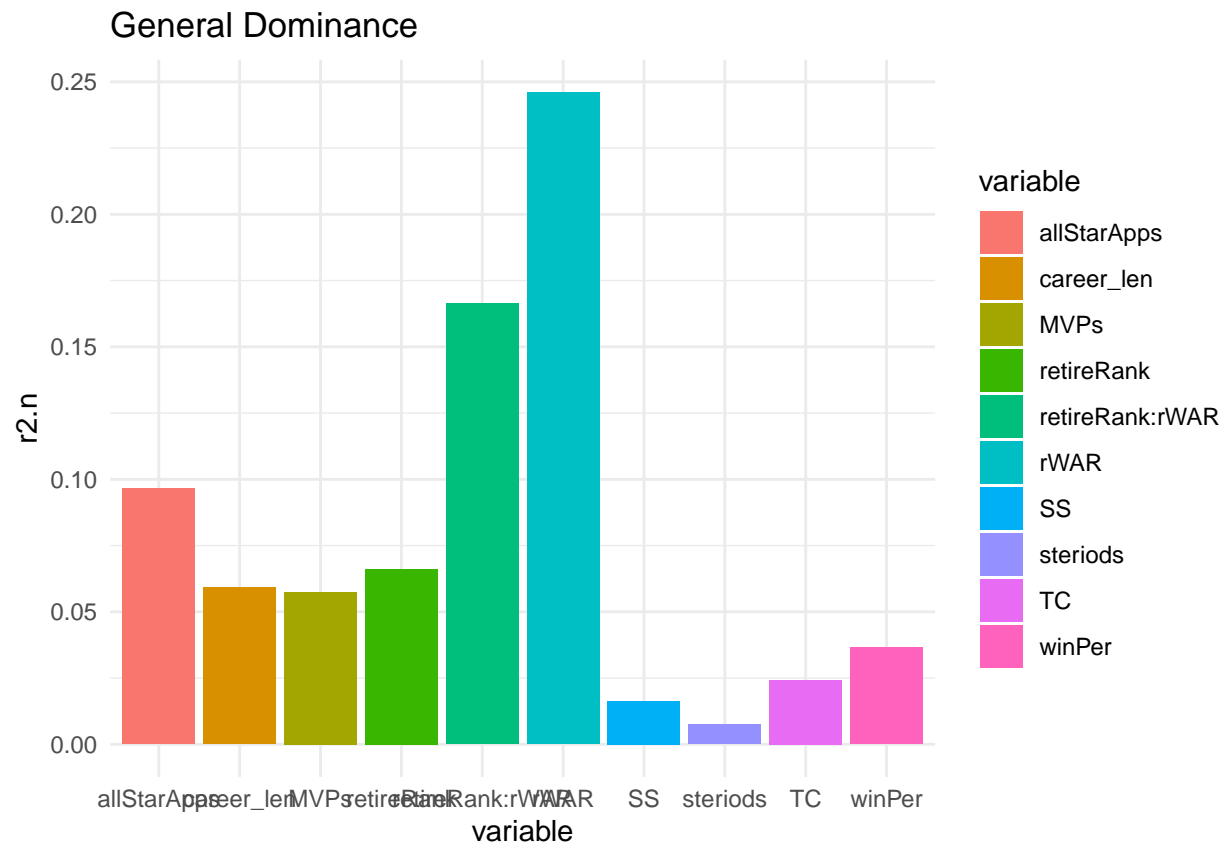


Improved Logistic Modeling Results

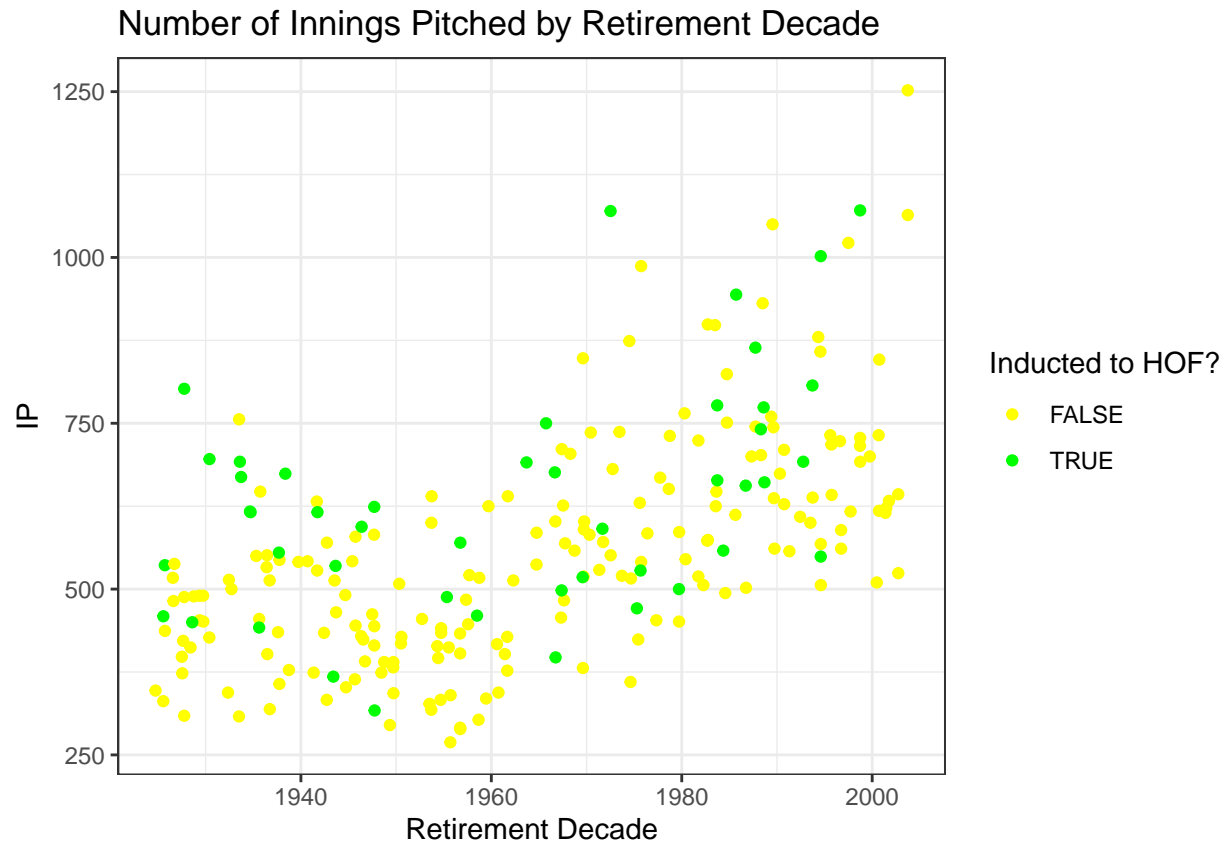
Mdoel	Misclass Rate	AUC
Initial	10.8%	0.943
Modified	7.3%	0.961

WAR vs. Induction Status by Improved Classification Accuracy





```
## [1] "Original composition of HOF pitchers in data: 1%."
```



```
## [1] "New composition of HOF pitchers in data: 19.2%."
```

Logistic Modeling Results for Pitchers

Model	Misclass Rate	AUC
Batters	7.3%	0.961
Pitchers	7.9%	0.952

WAR vs. Induction Status by Improved Classification Accuracy

