

Kiel Brunner | Lab 1 | IST718

## ▸ Packages

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## ▸ Data Acquisition, Inspection and Cleaning

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## ▸ Join Section

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## ▸ Analysis and Modeling Section

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## ▼ Report

Base salary in the AAC is 1.2 million dollars, while the ACC (home of the Syracuse Orangemen) and B dollars and 3.6 million dollars based on this model, respectively. Unfortunately, the Big East is outside with this model.

Just under 30 schools were dropped from the data set due to there inability to match on certain outside from states with several FBS schools, like Texas and Florida, where matching their similar names became adjusting the join factors.

While, I believe the model could be improved in many ways an r-squared value of 81% is reasonable for would likely improve the model, as would finding efficient bins for several of the continuous categories

Stadium capacity and several of the conferences have the most significantly low p-values, while endowment rates and beating the spread all have high p-values and several cross 0 in their variance. MOV or margin

## ▼ Salary By Conference

```
plt.figure(figsize=(10,8))
sns.set(style="ticks", palette="bright")
```

```
sns.boxplot(x='Conference',  
            y='TotalPay',  
            data=Coaches)
```

```
plt.title('School Pay by Conference')
```

```
plt.text(0.5, 1.0, 'School Pay by Conference')
```



