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Assignment 04

STA6704

Prof. Smith

<https://github.com/darkhark/2019JAX_PlayByPlay/tree/master/Assignment03>

1. Done through code.
2. I chose to use AIC for my scoring measurement. In all reality though, my scores all ended up in the same order each time anyway, with the scoring model being the best in each scenario due to it having the closest value to zero. The reason I chose AIC over BIC is BIC will give a higher penalization for more complex models. With this data, many easily understand correlations exist between the data and I want to find the relationships that may be more complex. One example of this is how yards\_gained and yards\_after catch are made into a relationship. It seems obvious that bigger plays in the NFL likely also have more yards after the initial catch unless the quarterback is able to consistently make deep touchdown passes where the receiver is already in the endzone. We’re talking about the Jaguars here though, so that is unlikely the case. One of the less obvious and likely weaker relationships I noticed was between pass\_middle and air\_yards. There are few possibilities for this that I will cover during my project
3. 