

# robot\_visualizations\_RAWOUTPUT

Tyler Harmon

5/22/2018

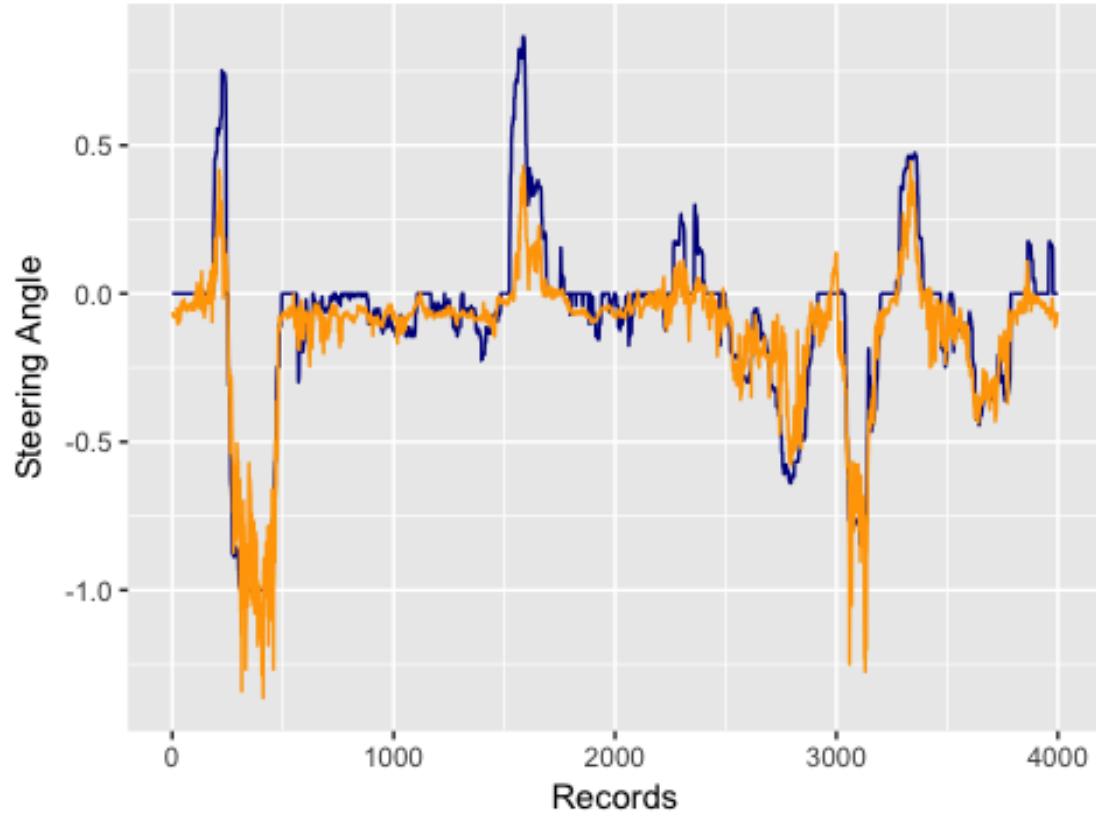
## R Markdown

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## Warning: package 'ggthemes' was built under R version 3.4.4
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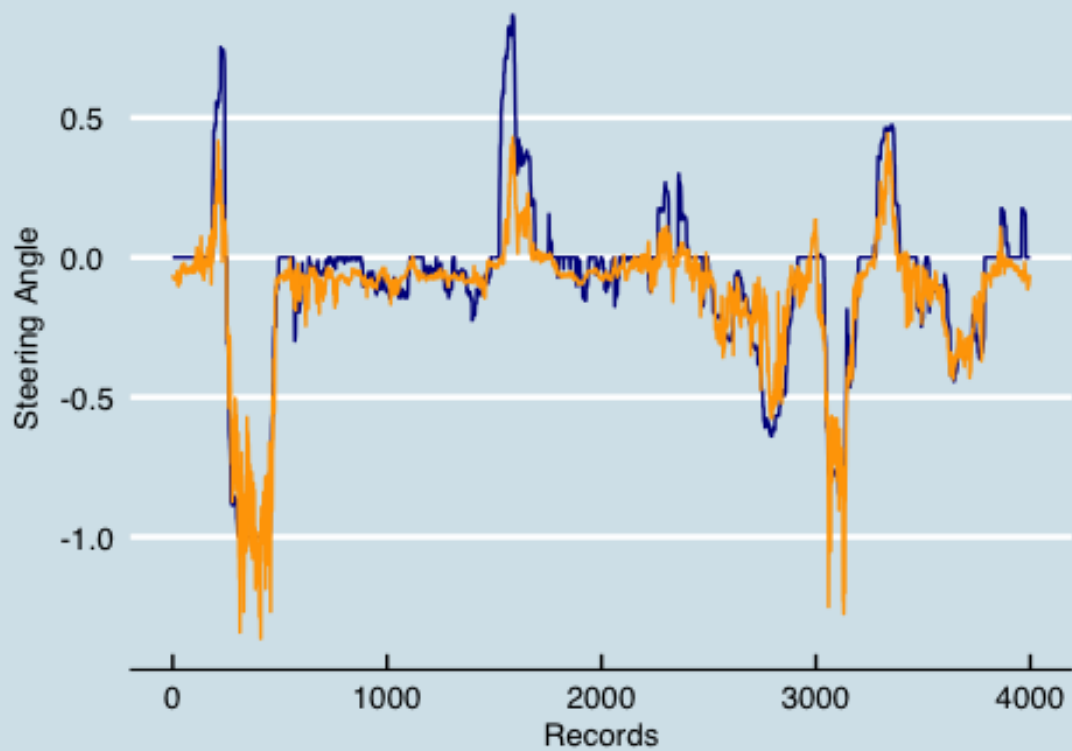
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## Warning: package 'reshape' was built under R version 3.4.1
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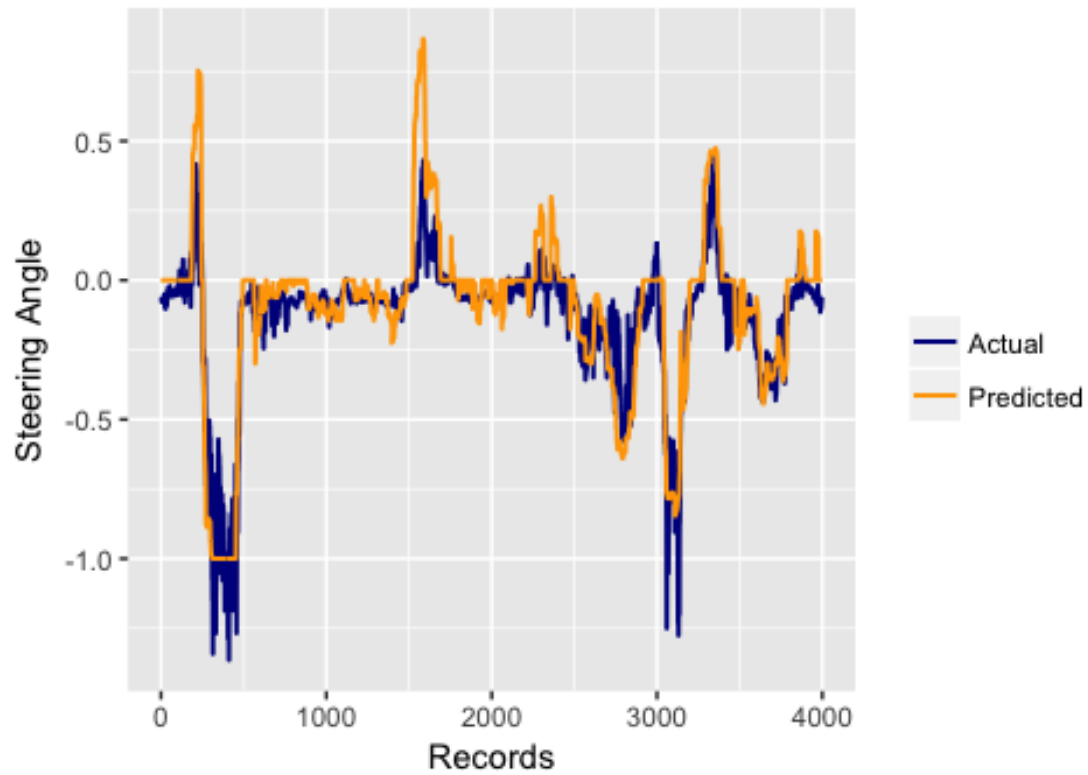
Comparison of Actual vs Predicted Steering



## Comparison of Actual vs Predicted Steering

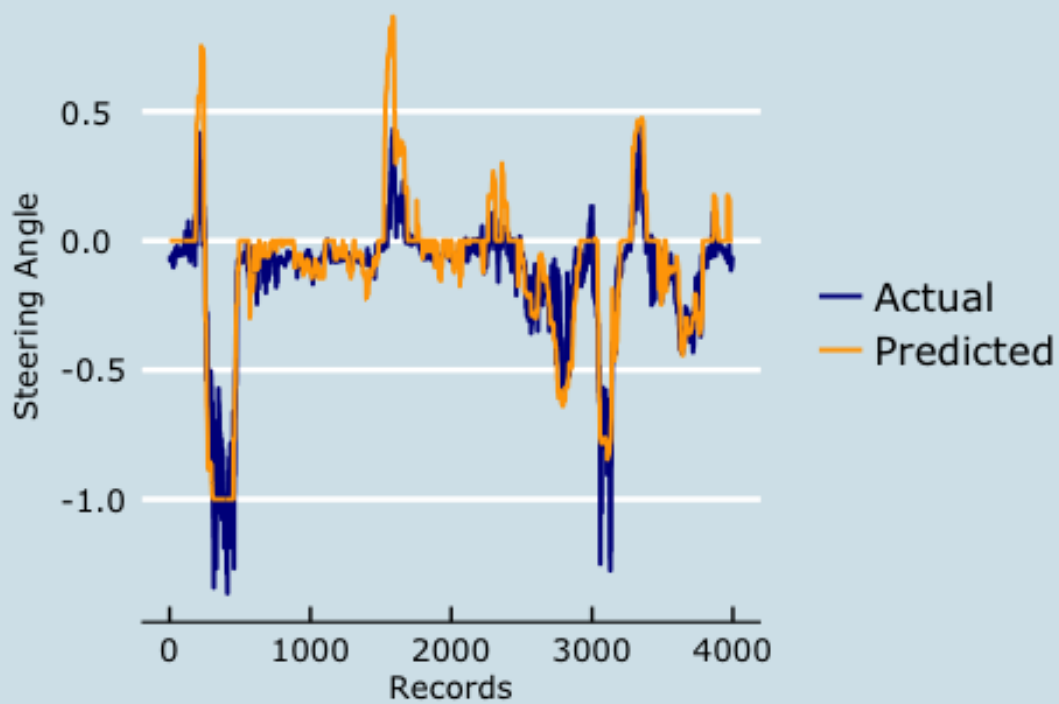


Convnet (Linear) Actual vs Predicted Steering Angle  
Loss=0.008322 (MSE), Accuracy= 0.234

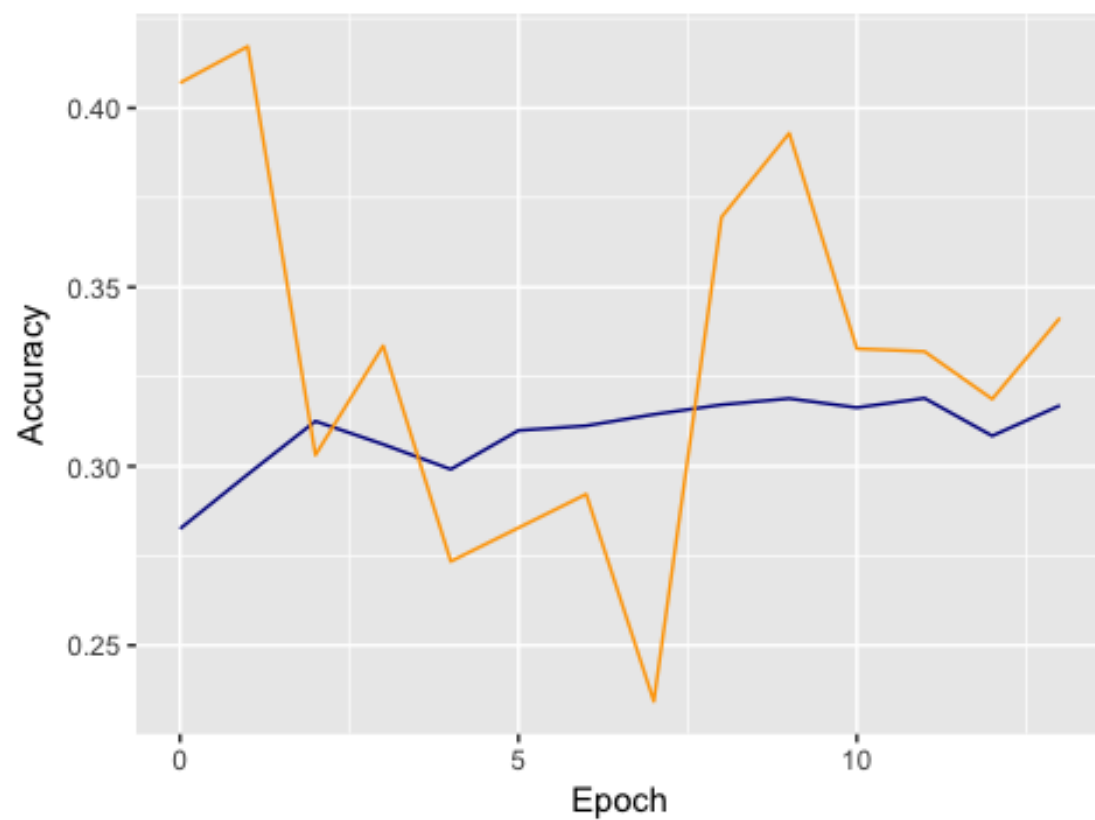


# Convnet (Linear) Actual vs Predicted

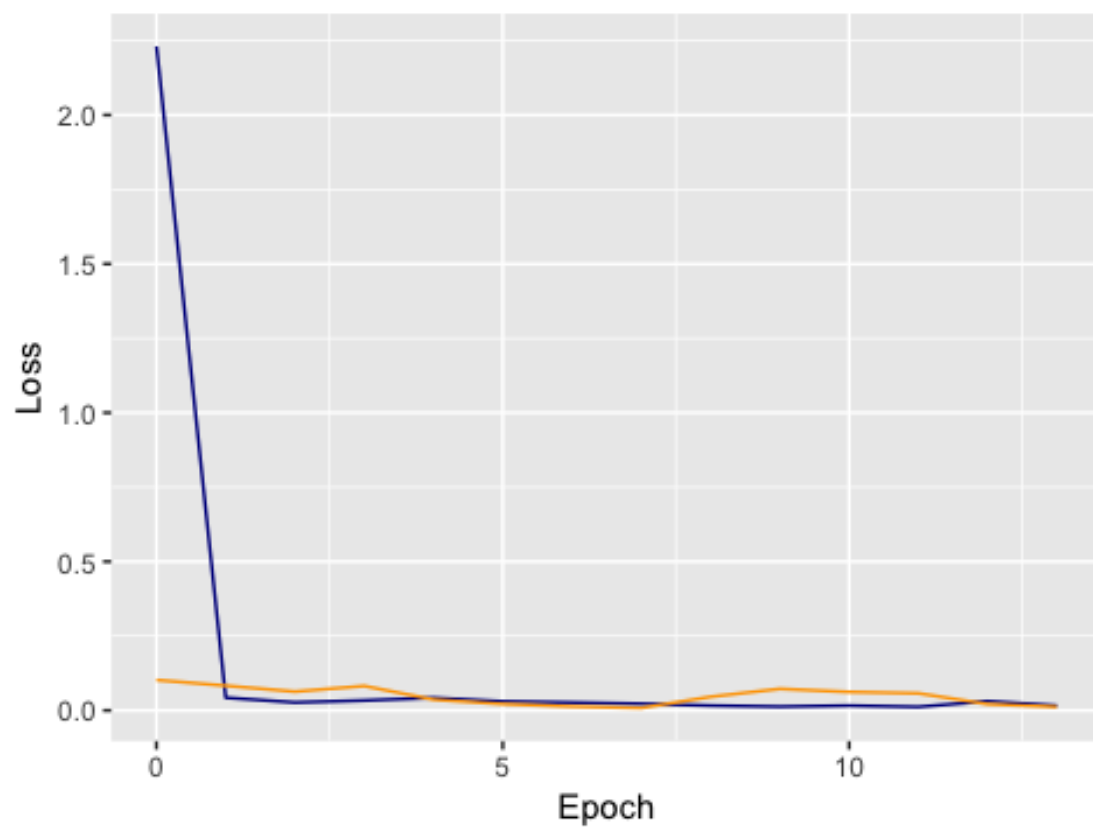
Loss=0.008322 (MSE), Accuracy= 0.

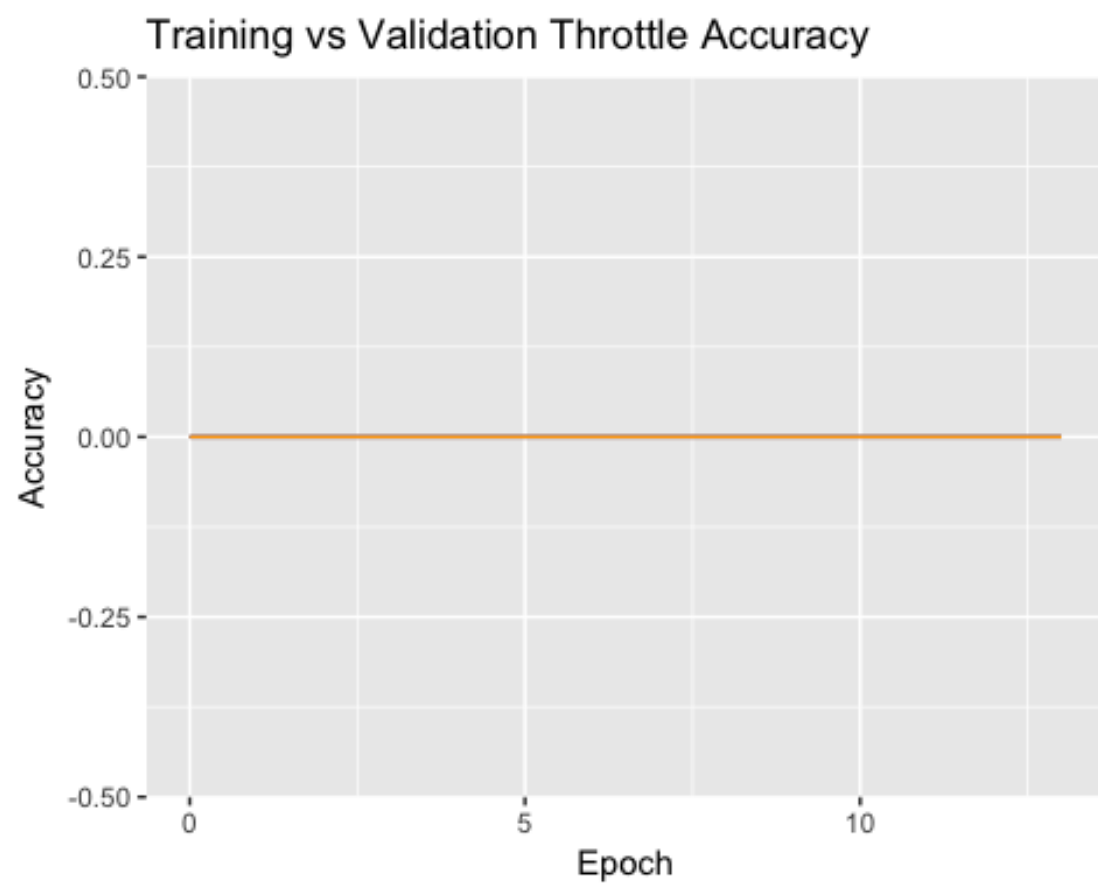


Training vs Validation Angle Accuracy



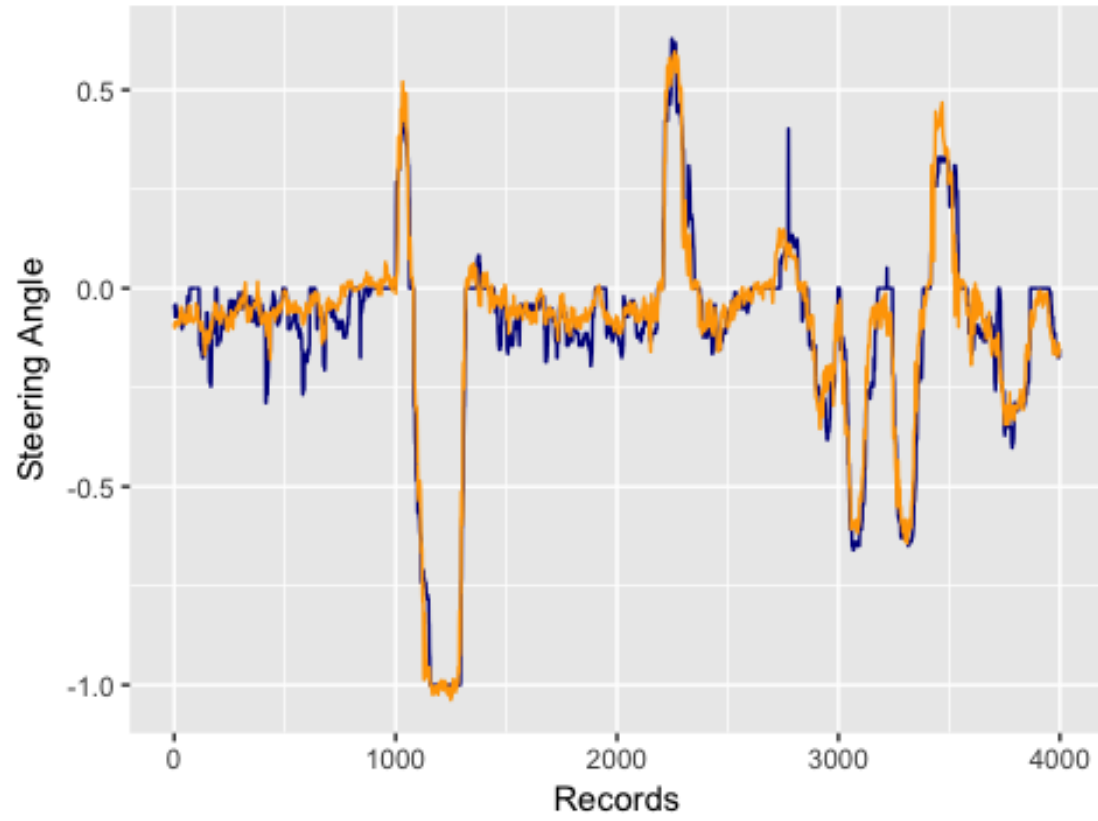
Loss vs Validation Loss



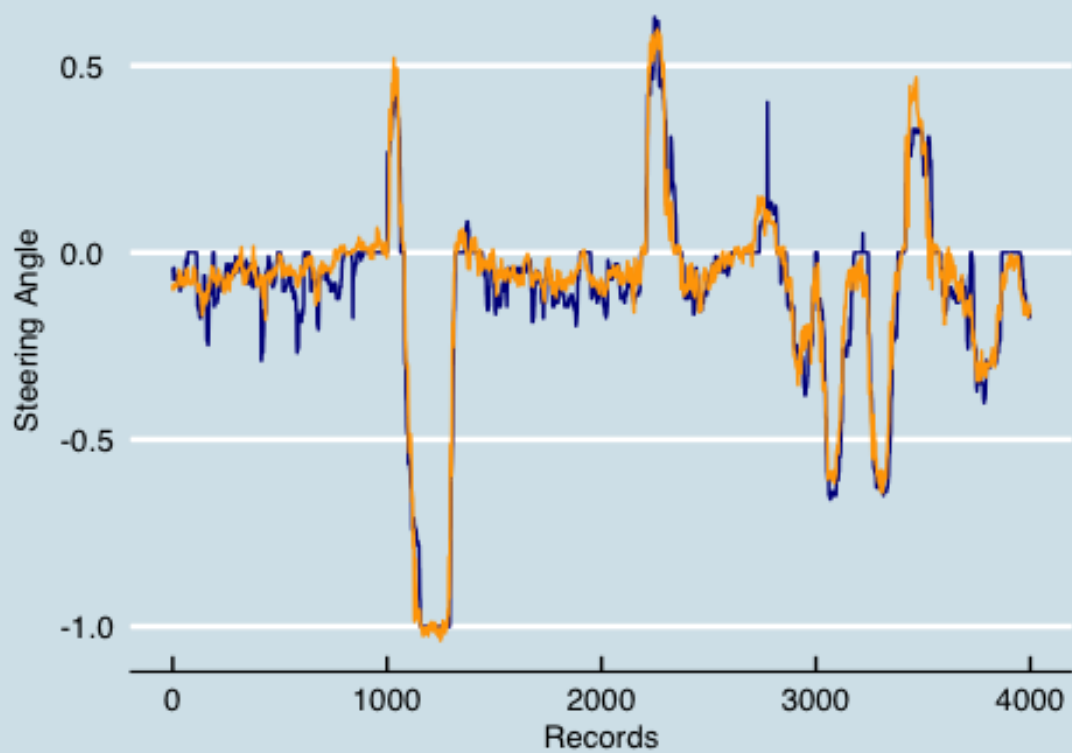




Comparison of Actual vs Predicted Steering

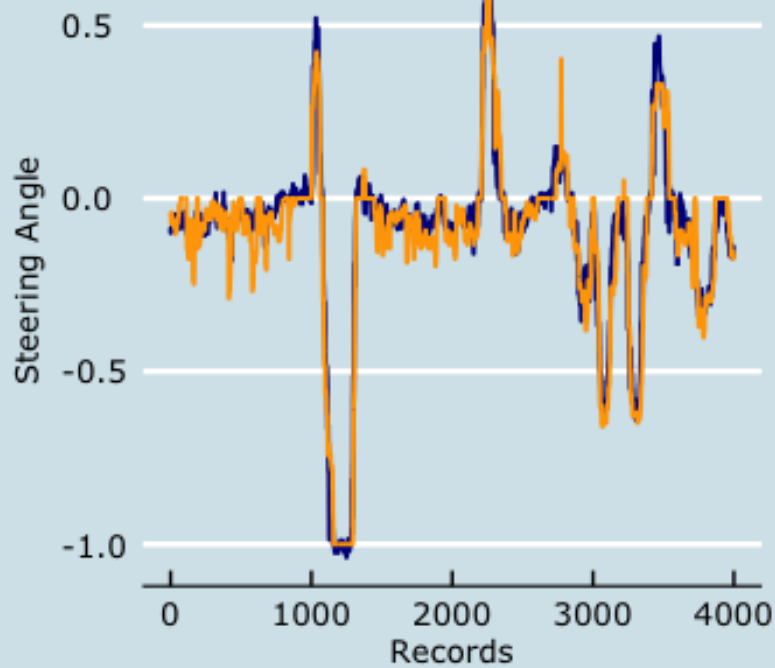


## Comparison of Actual vs Predicted Steering

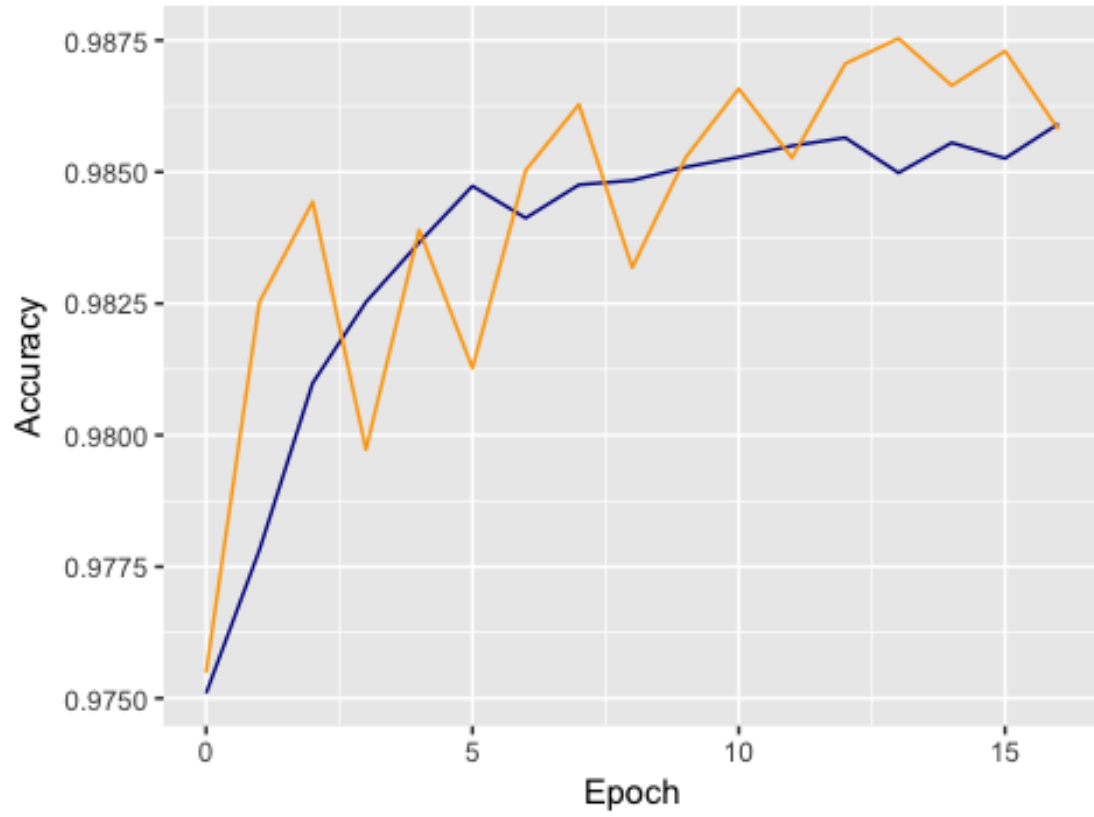


## RNN LSTM Actual vs Predicted Steering

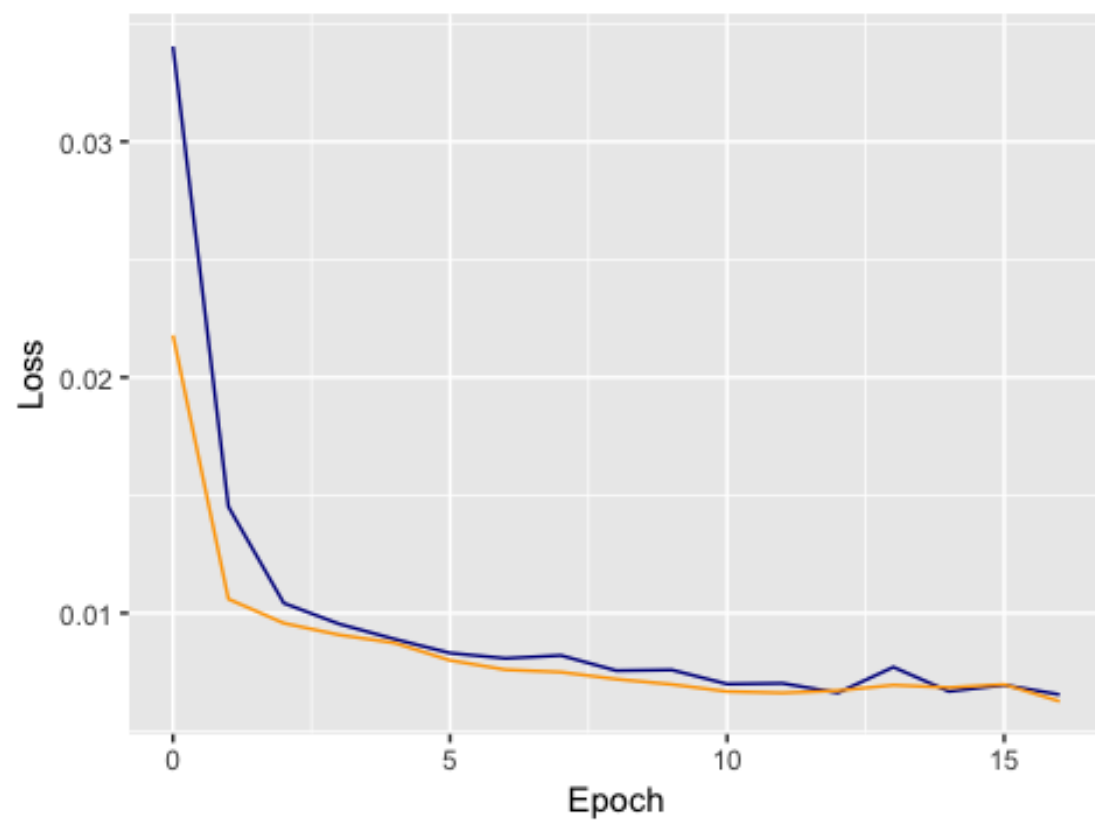
Loss=0.0063 (MSE), Accuracy=0.986



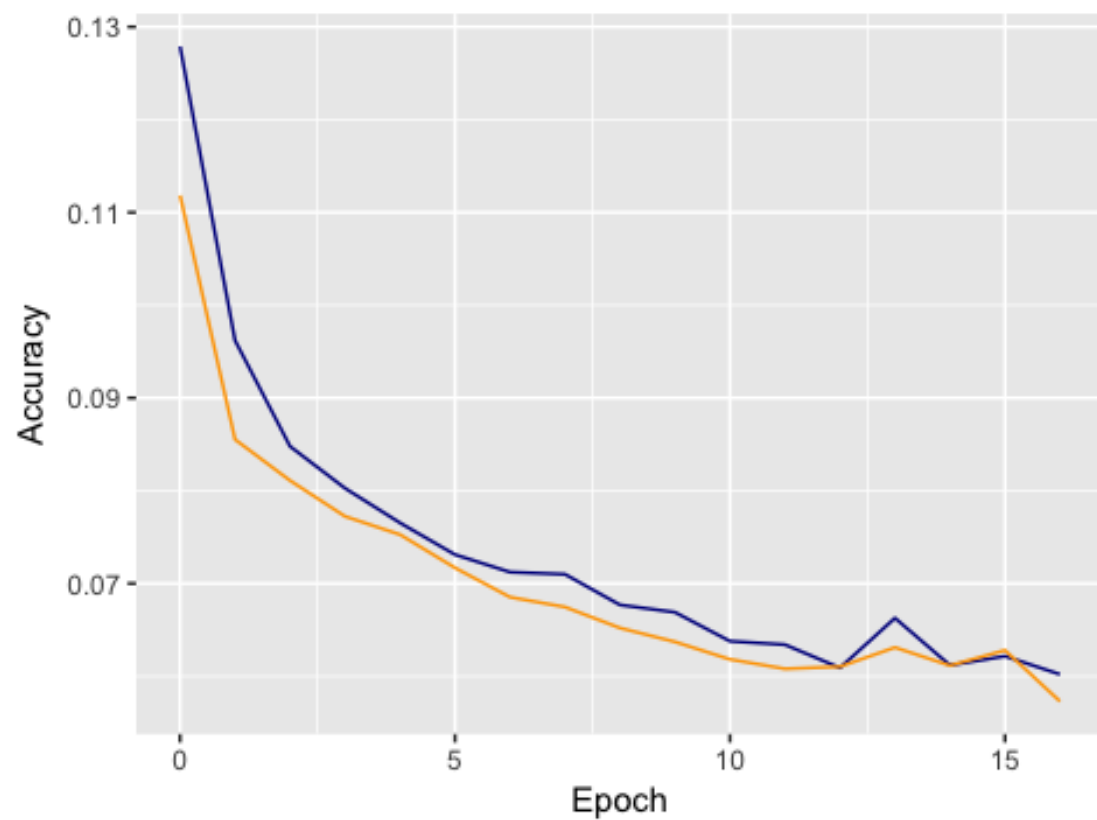
Training vs Validation Angle Accuracy

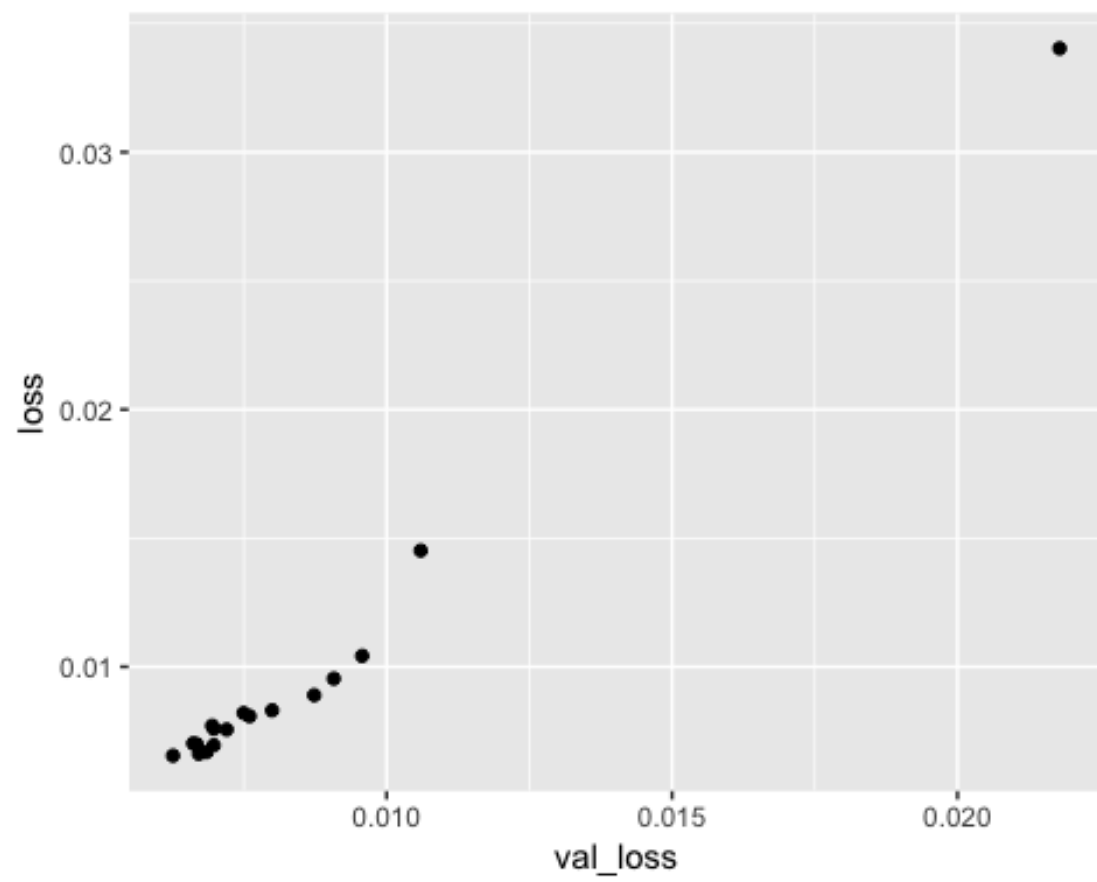


Training vs Validation Loss

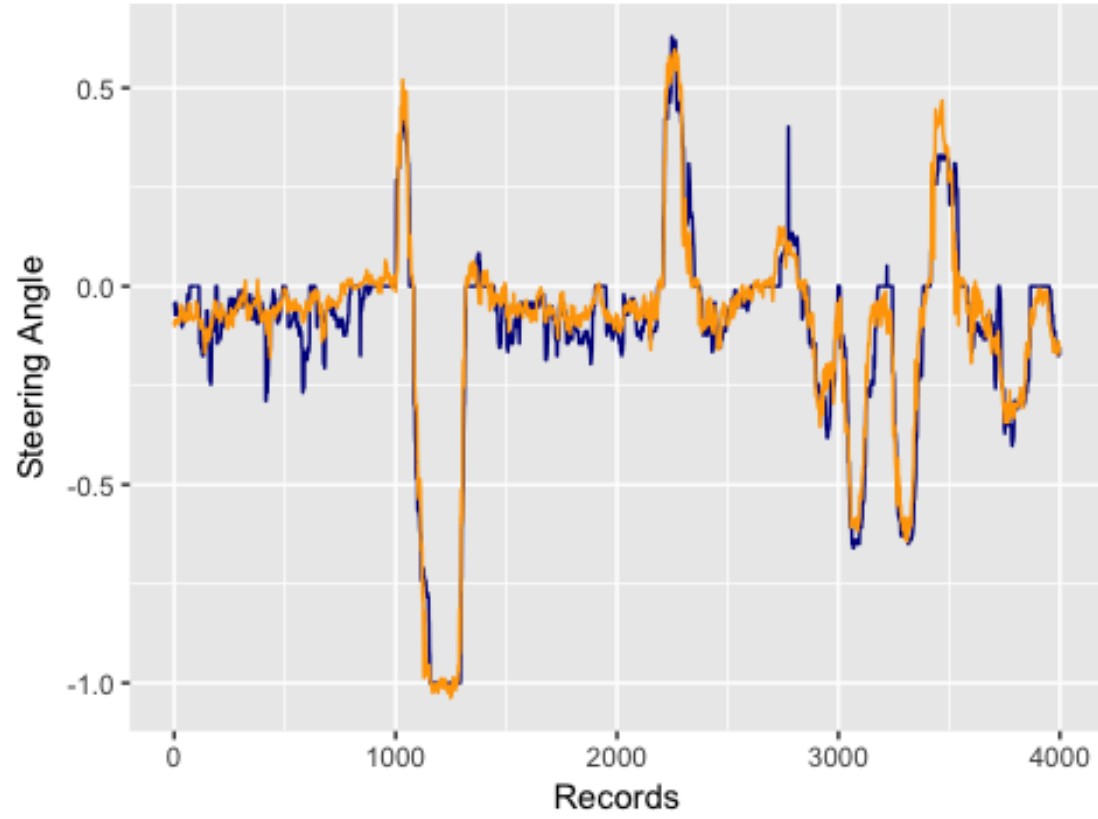


Training vs Validation Mean Absolutle Error

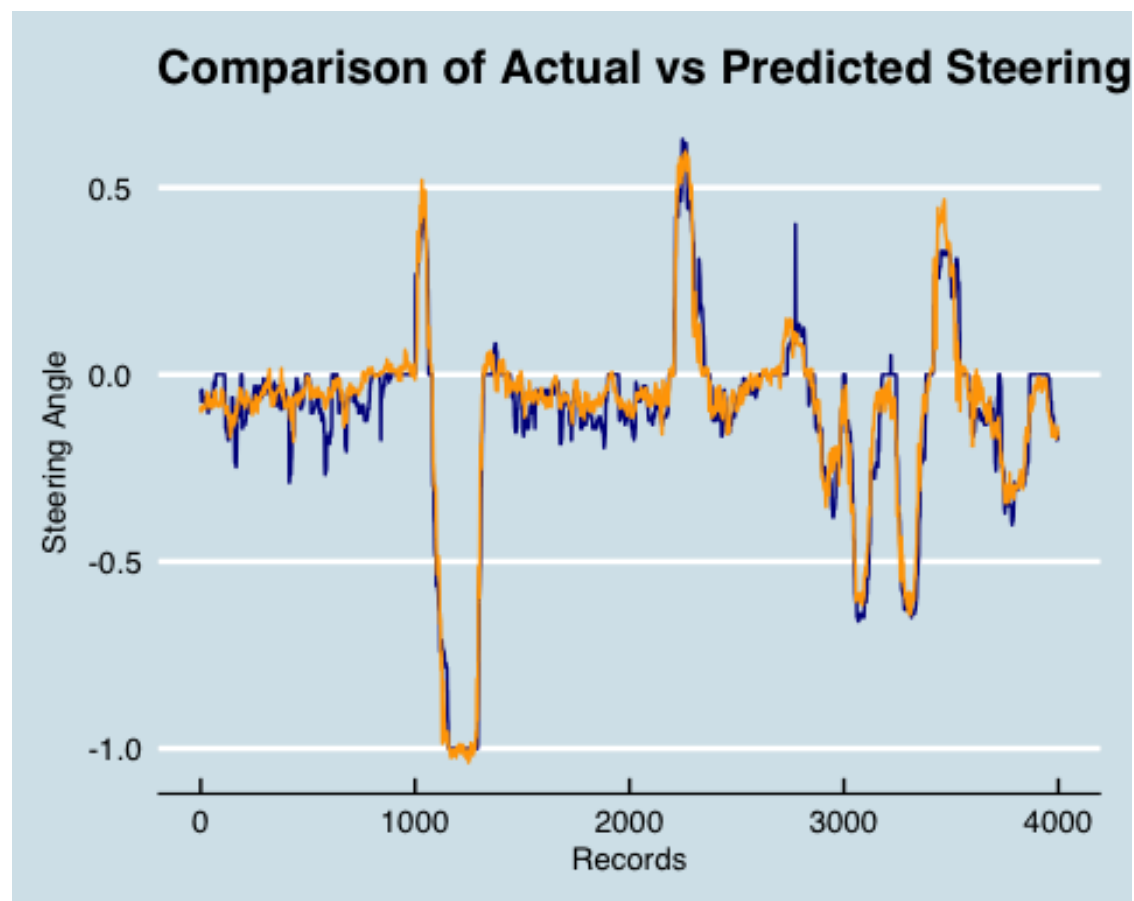




Comparison of Actual vs Predicted Steering

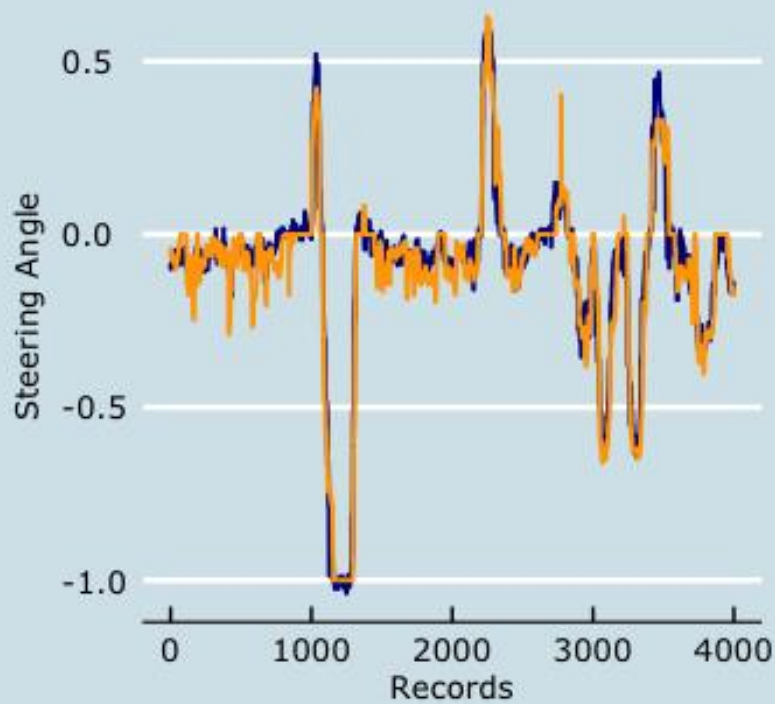




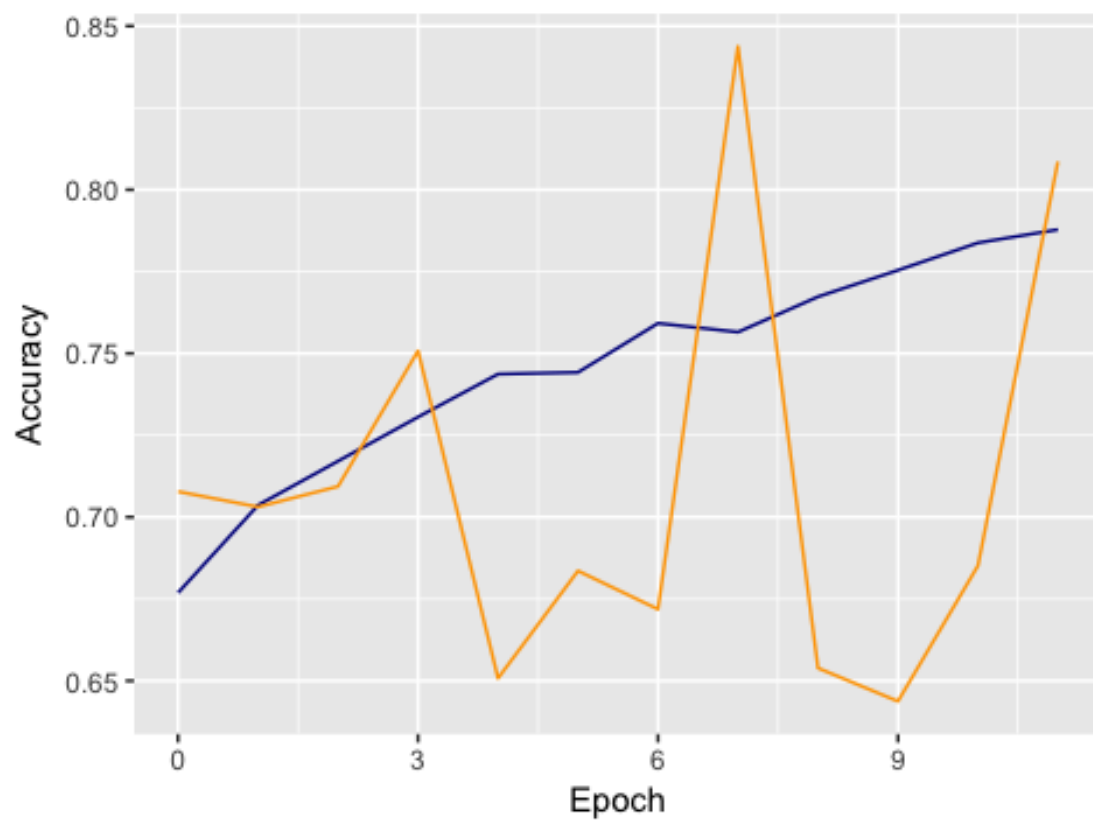


# Convnet (Categorical) Actual vs Pred

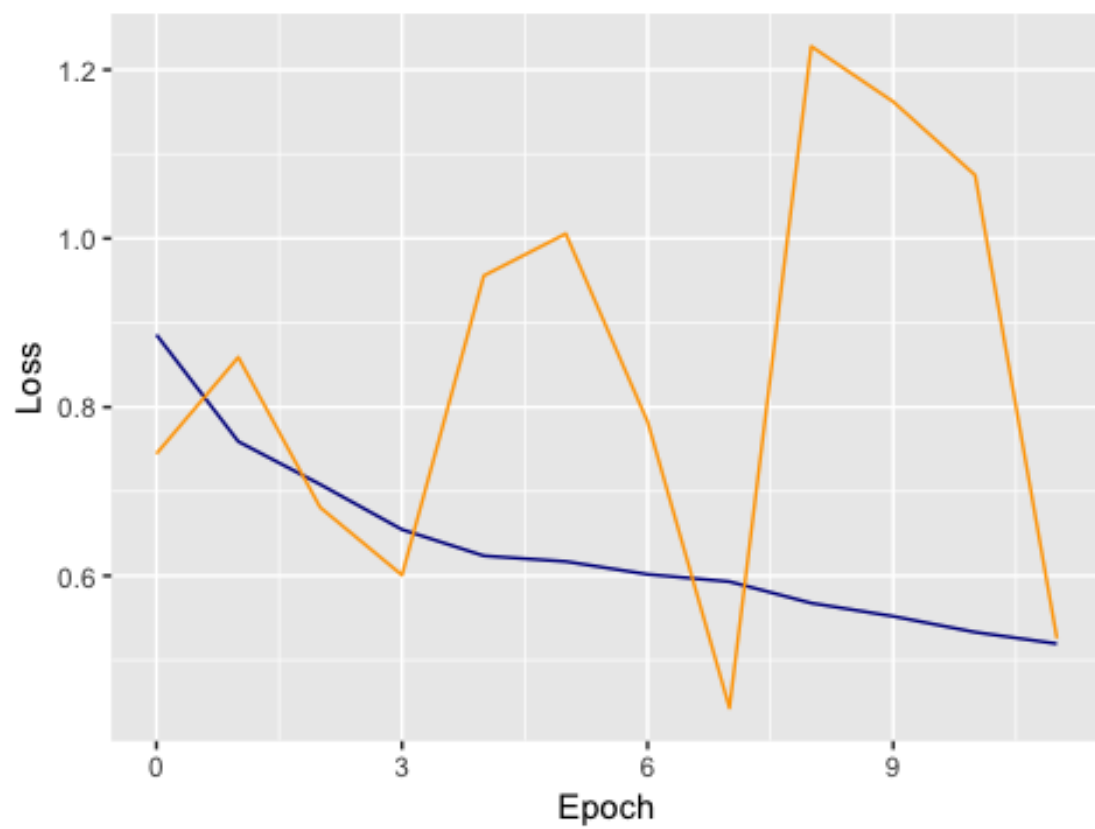
Loss=0.519 (Log Loss), Accuracy=0.



Training vs Validation Angle Accuracy



Loss vs Validation Loss



## Model Test Accuracy Comparison

