

Cooper Stainbrook

Corn Price Prediction: Protecting Farmers' Profits



Goal

- Help farmers protect profits from their harvests using the futures market

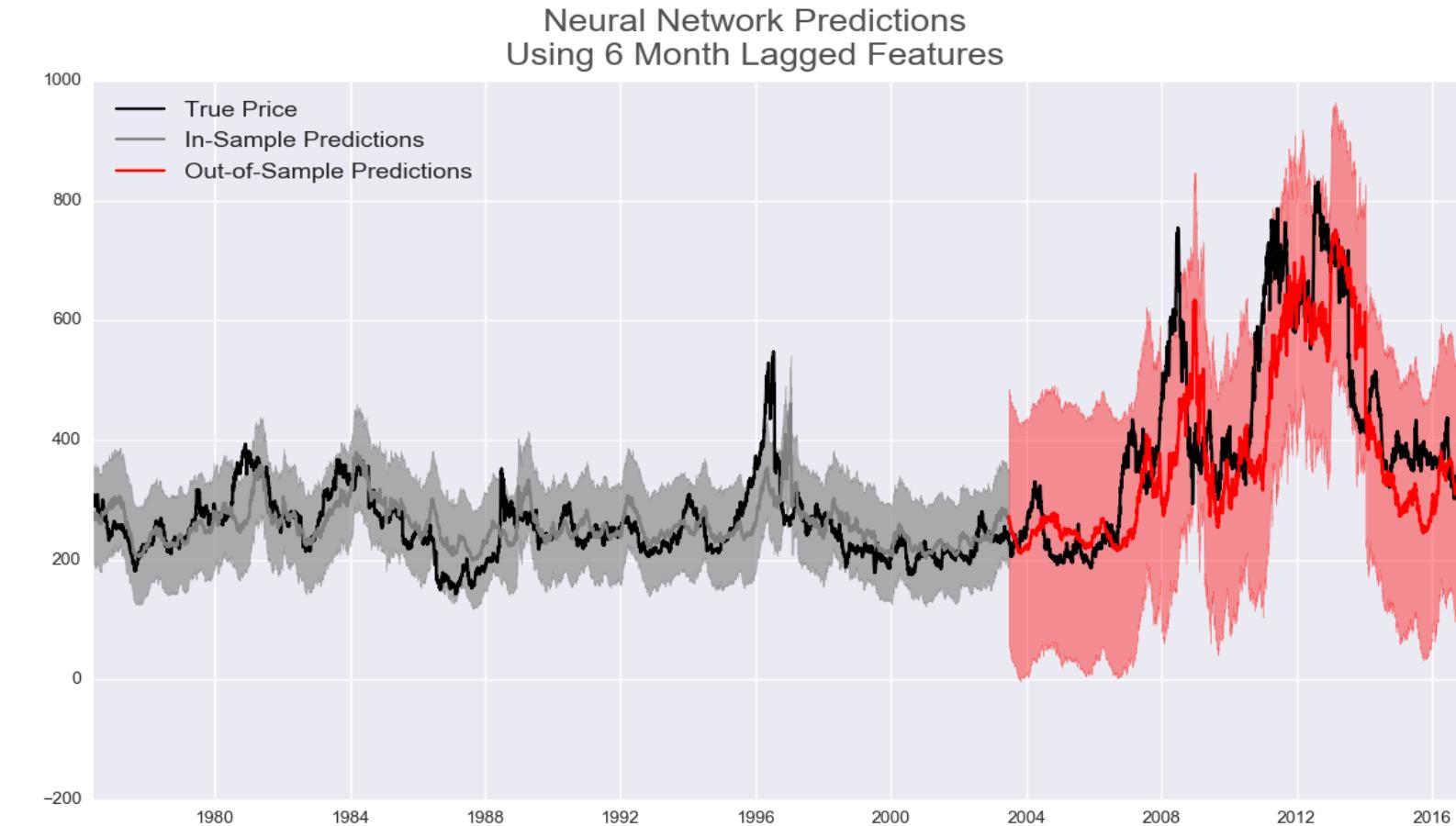
Motivation

- Background in finance
- Grew up on a farm

Method

- Data Collection
 - Interactive Brokers (Futures Prices)
 - USDA (Crop Information)
 - NOAA (Weather)
- Analysis
 - Neural Networks for 3 & 6 Month Forecasts
- Evaluation
 - Used RMSE and Hit Rate

Results



Hit Rate

70%

Conclusions

- Markets are very efficient
- Model has some usefulness, though it is limited to those with low return hurdles or those willing to use significant leverage

Contact Info

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