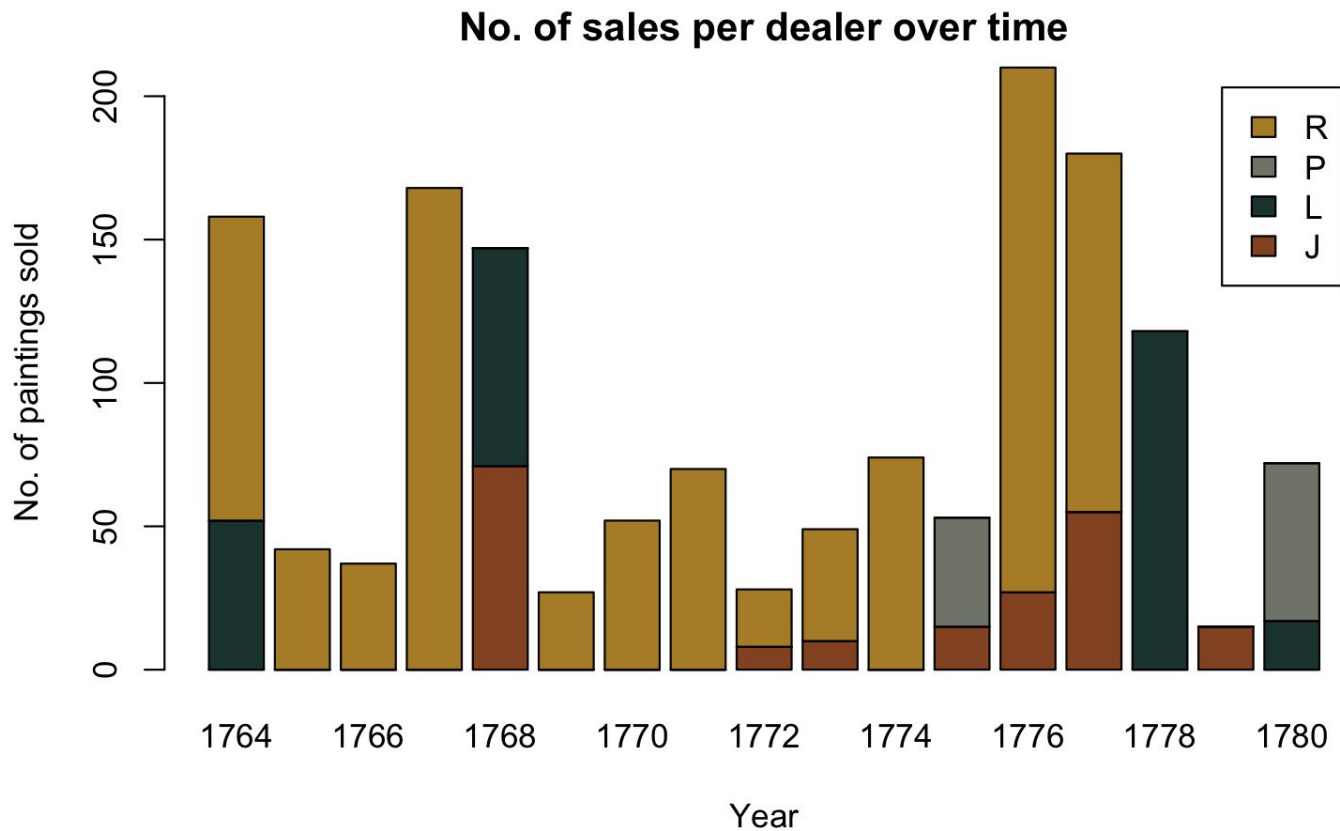




Team name: The Bayesian Watch

Team Members: Cole Juracek, Bingruo Wu, Linlin Li, Vidvat Ramachandran

Most Interesting Graphic



The Best Model

- **Motivation**

To account for correlation between the predictors, when a lot of predictors looked important

- **How we found it**

Linear Regression with all important predictors and interactions >> Step function with AIC >> BMA

- **Why we think it is the best**

Easily interpretable, and gives reasonably good results

Insights into predicting price

- People involved are more important than the paintings' features

Dealer, Endbuyer, Origin author, Intermediary

- Features defined by people

+: Prevcoll, Irgfont, Engraved / -: Paired

- Painting features

+: Finished / -: Still_living, Portrait, Landscape

The Best 3 paintings



No.1 The Holy Family with St Anne (Rembrandt)



No.2 Commedia dell'Arte Show (Karel Dujardin)



No.3 The Night Watch (Rembrandt)