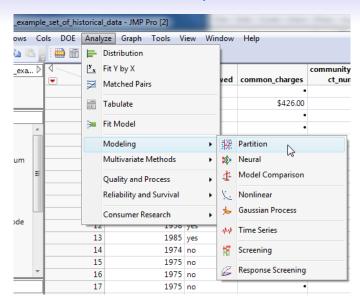
Random Forests in JMP and R

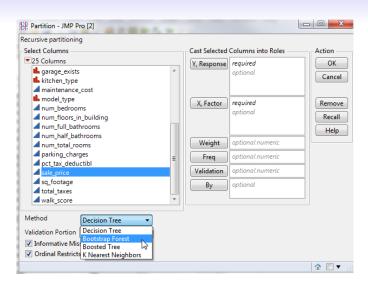
Adam Kapelner

Stat 422/722 at The Wharton School of the University of Pennsylvania

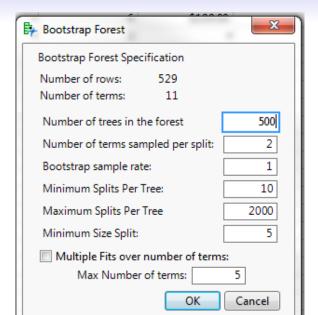
JMP 1/4



JMP 2/4



JMP 3/4



JMP 4/4



You don't need to do oos validation on Random Forests as the "out of bag" is as good as oos.

R 1/2

```
#load the data
X = read.csv(
 "stat_422_722_project_example_set_of_historical_data.csv")
#recode sale_price as a number
X$sale_price = as.numeric(gsub('[$,]','',
  as.character(X$sale_price)))
#install and load up the RF package
install.packages("randomForest")
library(randomForest)
#run the RF
rf mod = randomForest(sale price ~
coop_condo + num_bedrooms +
num full bathrooms + walk score, X)
rf_mod #print out its output
```

R 2/2

Again: you don't need to do oos validation on Random Forests as the "out of bag" is as good as oos.