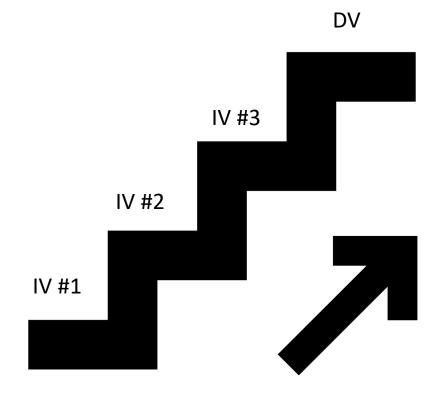
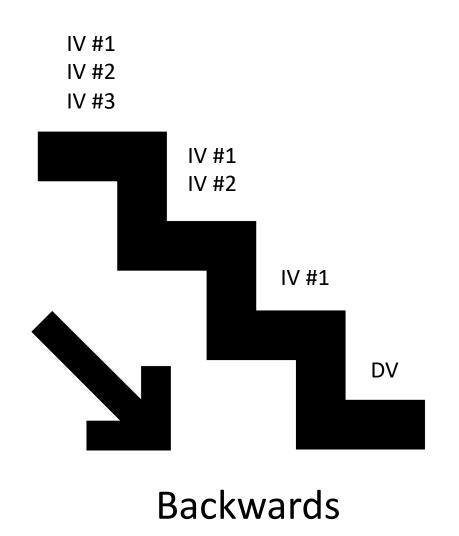
Stepwise Regression in R

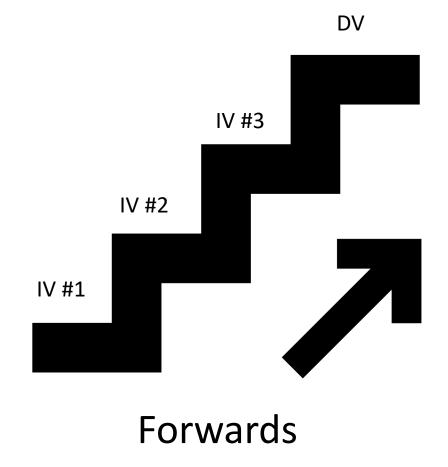
What does Stepwise mean?

 See the influence of each IV on the DV separately first before examining the overall

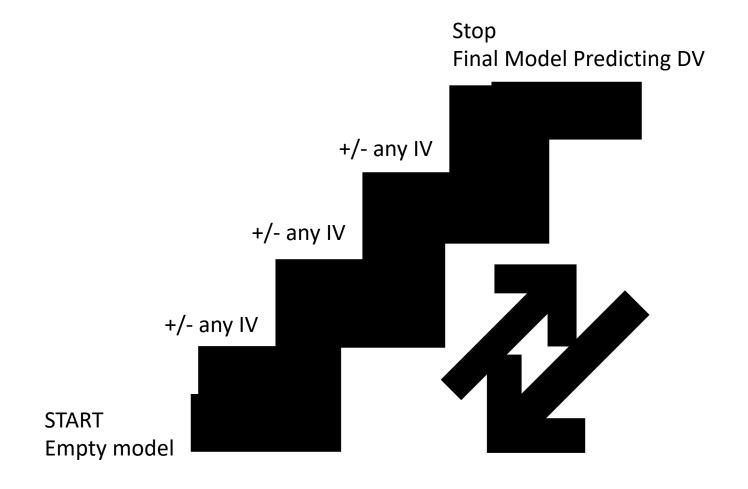


Backwards vs. Forwards Elimination





Hybrid



Bottom Line

· Usually you'll only run one of these on your data

Pick the best option for what you're doing

 Don't worry about slightly conflicting results if you do run multiple

Why run regression without it?!

Backward Elimination

Start a model with everything in it

ModelName = Im(DV ~., data=dataFrame)
summary(ModelName)

step(ModelName, direction="backward")

Forwards Elimination

Start with an empty model

```
ModelName = Im(DV ~ 1, data=dataFrame)
summary(ModelName)
```

step(ModelName, direction='forward', scope=(~IV1 + IV2
+ IV3))

Hybrid

step(forwardModel, direction="both", scope=formula(backwardModel))