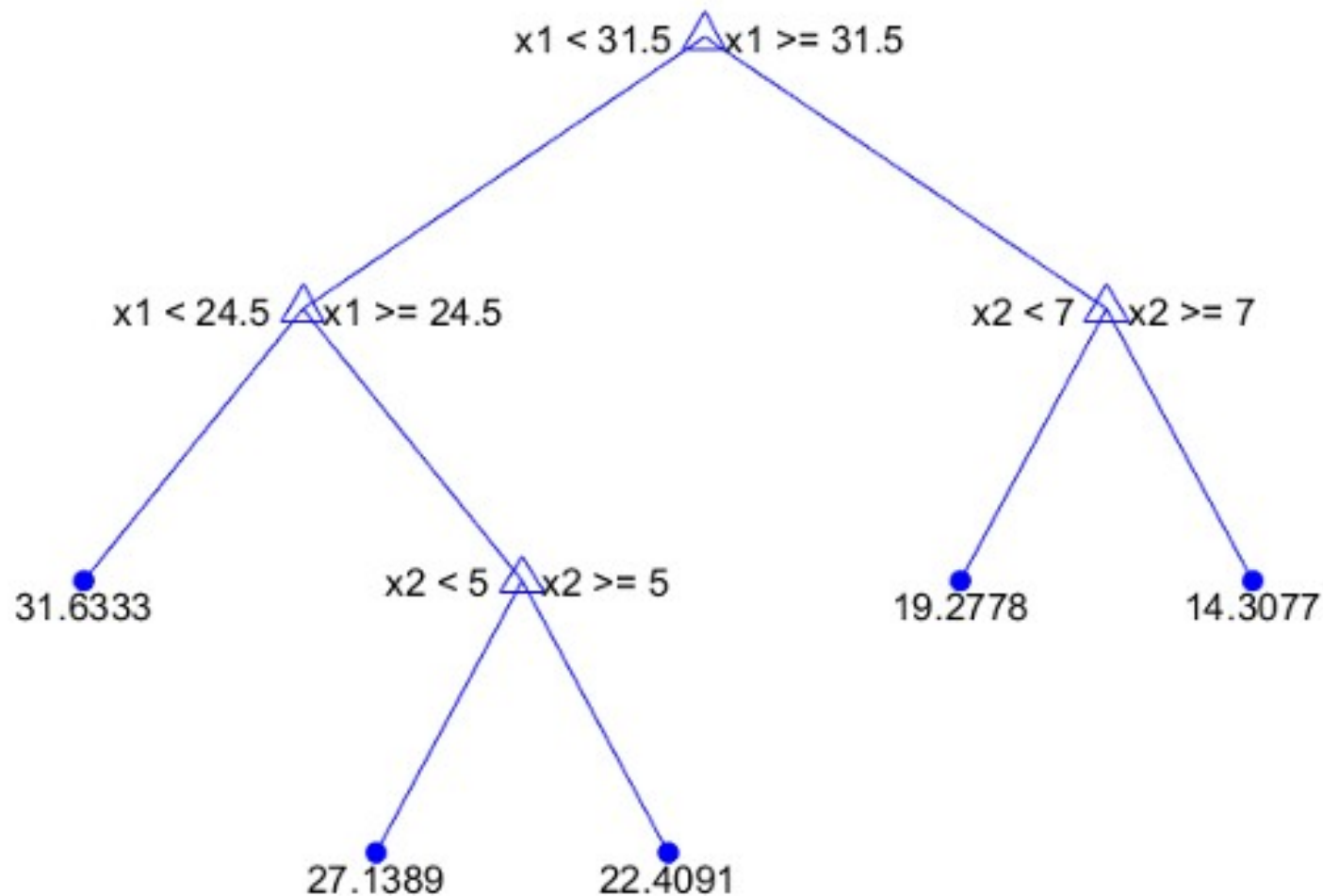
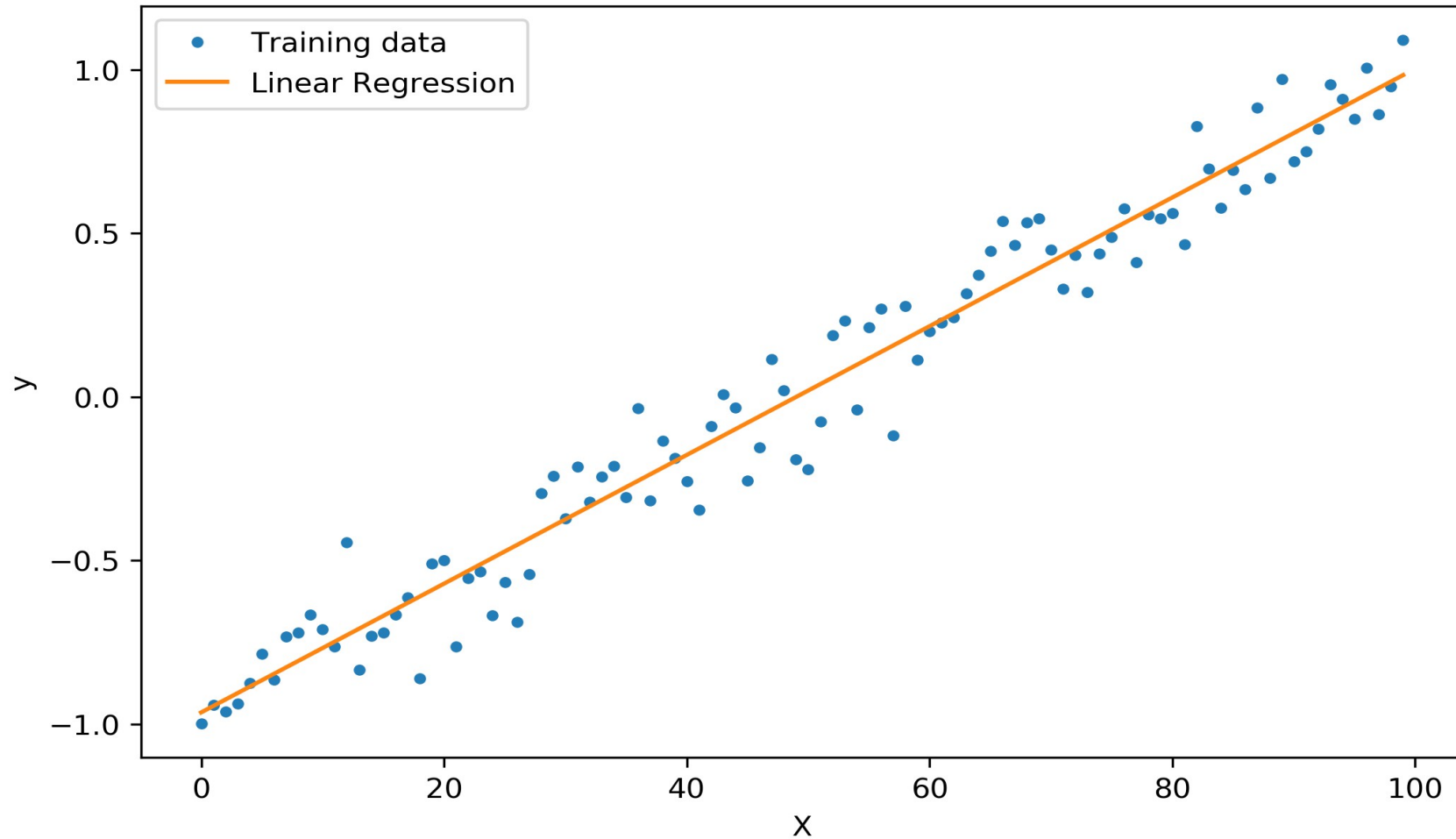
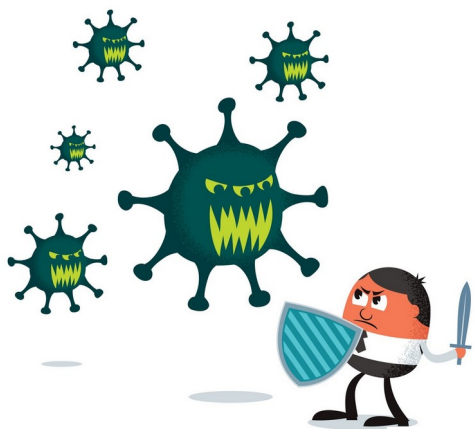


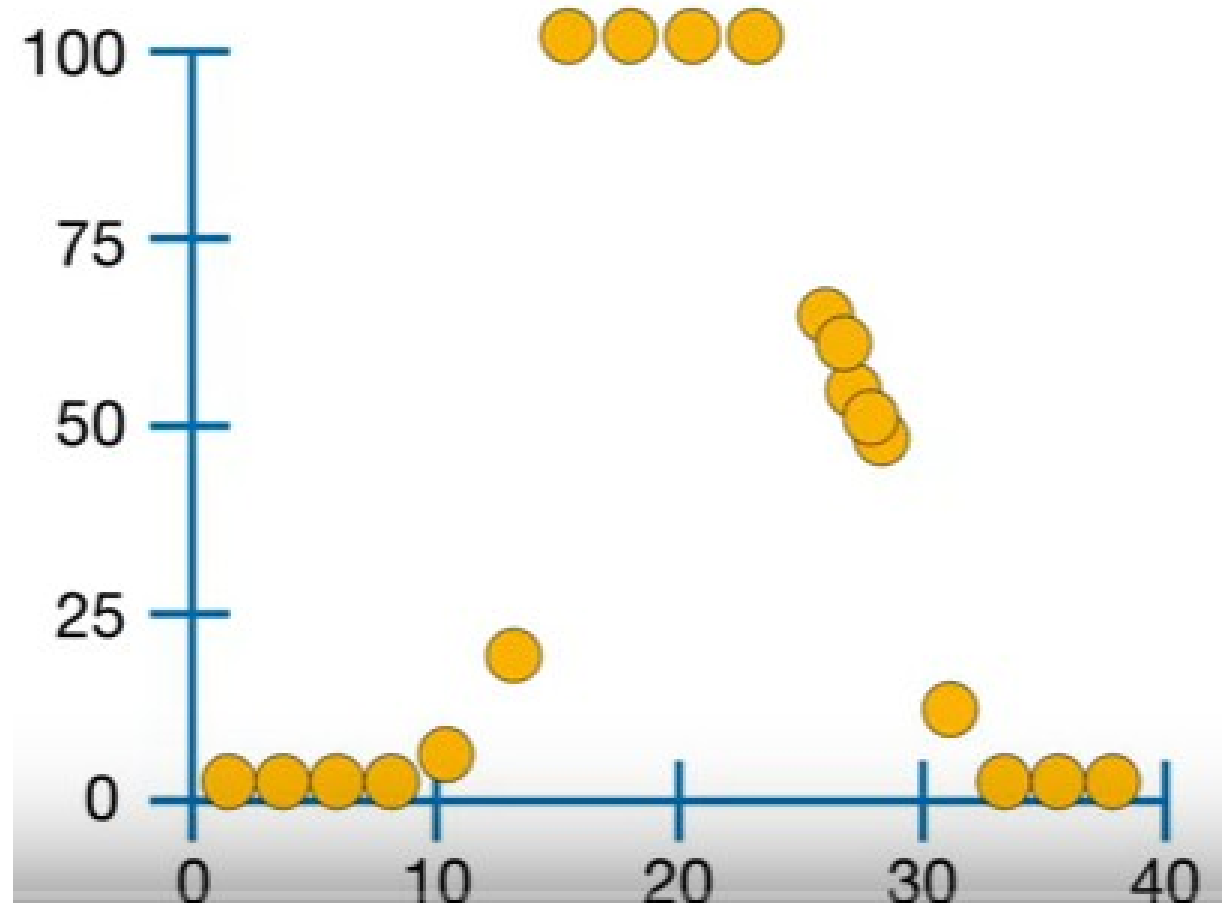
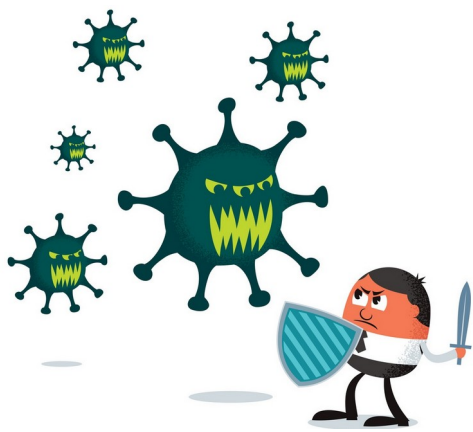
# Regression Tree



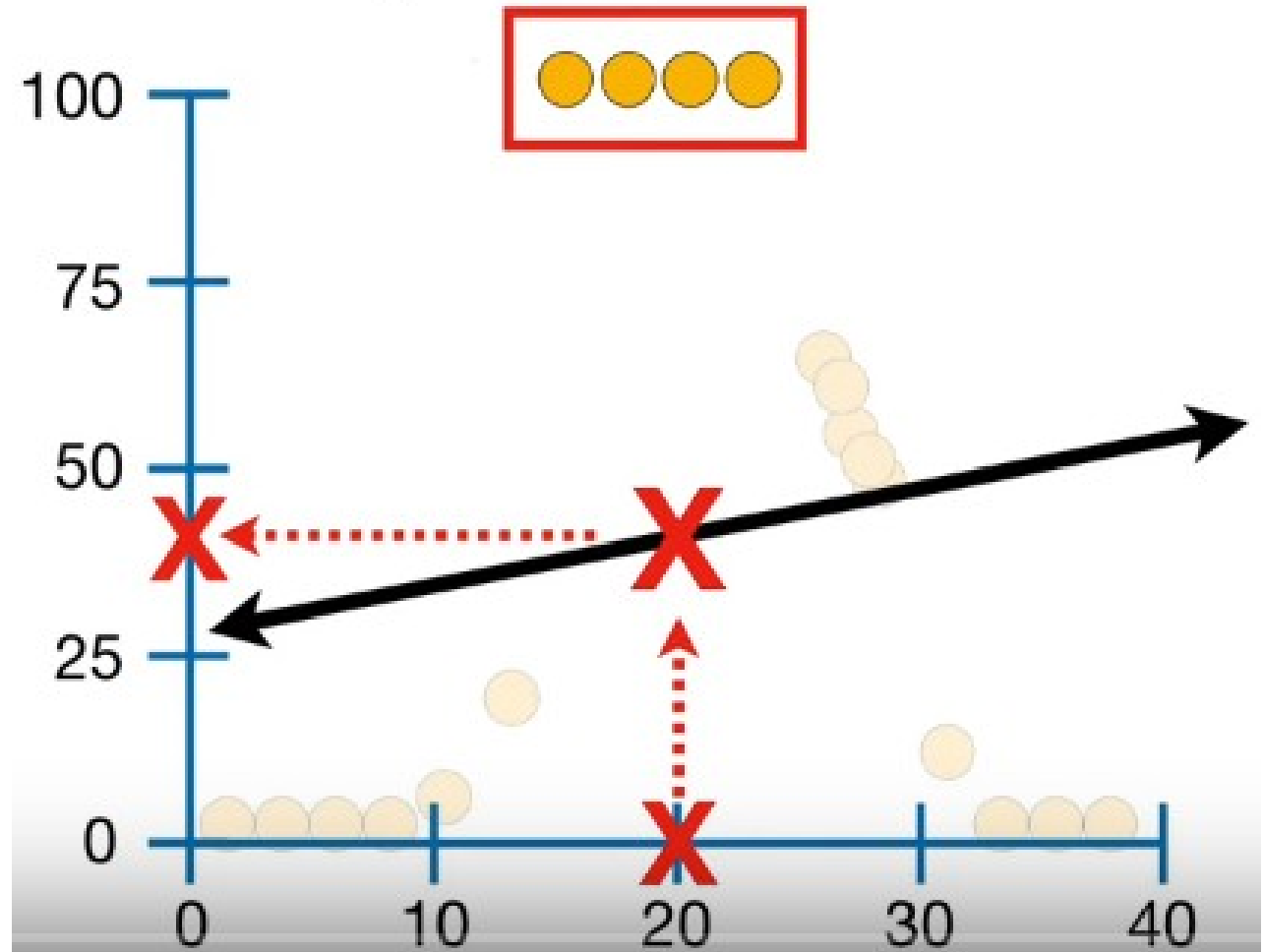
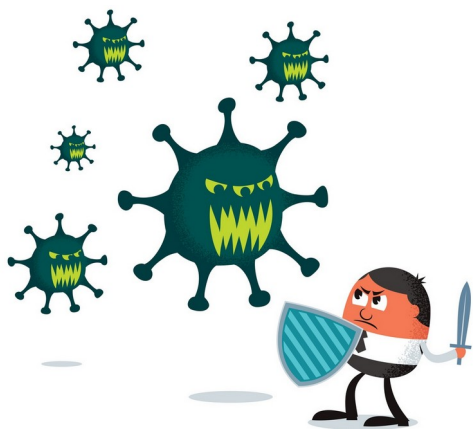
# Virus V/s Medicines



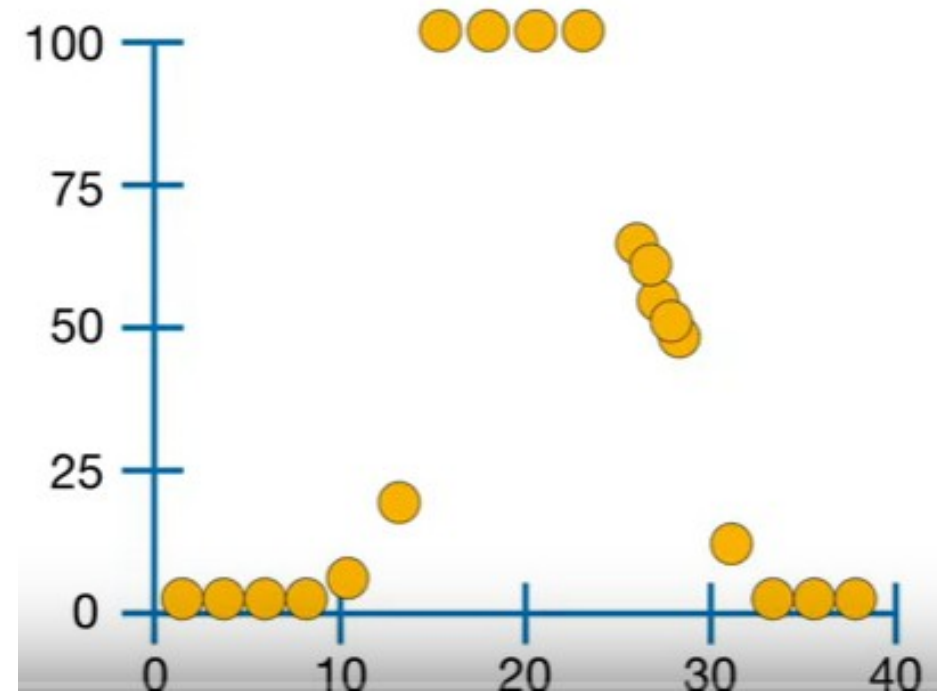
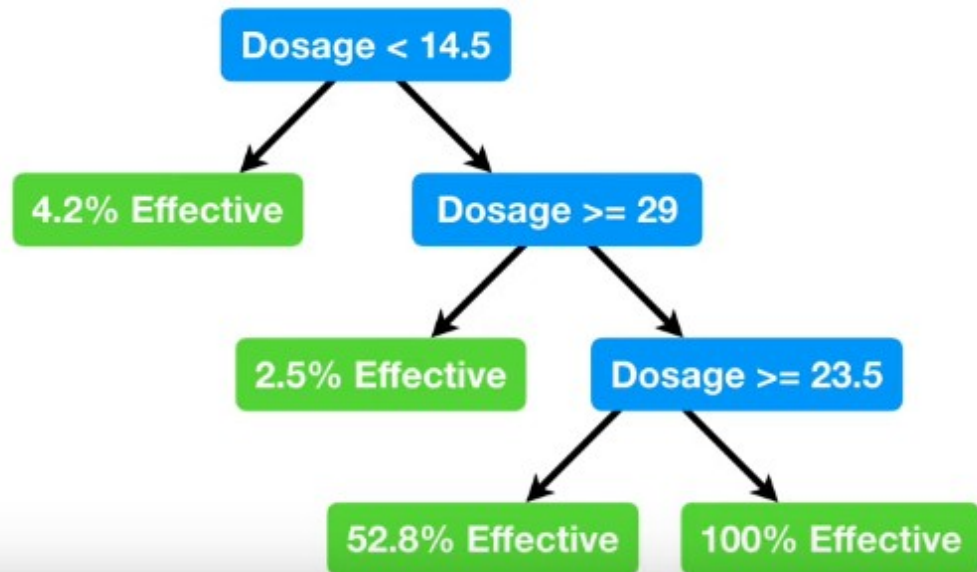
# Virus V/s Medicines



# Virus V/s Medicines



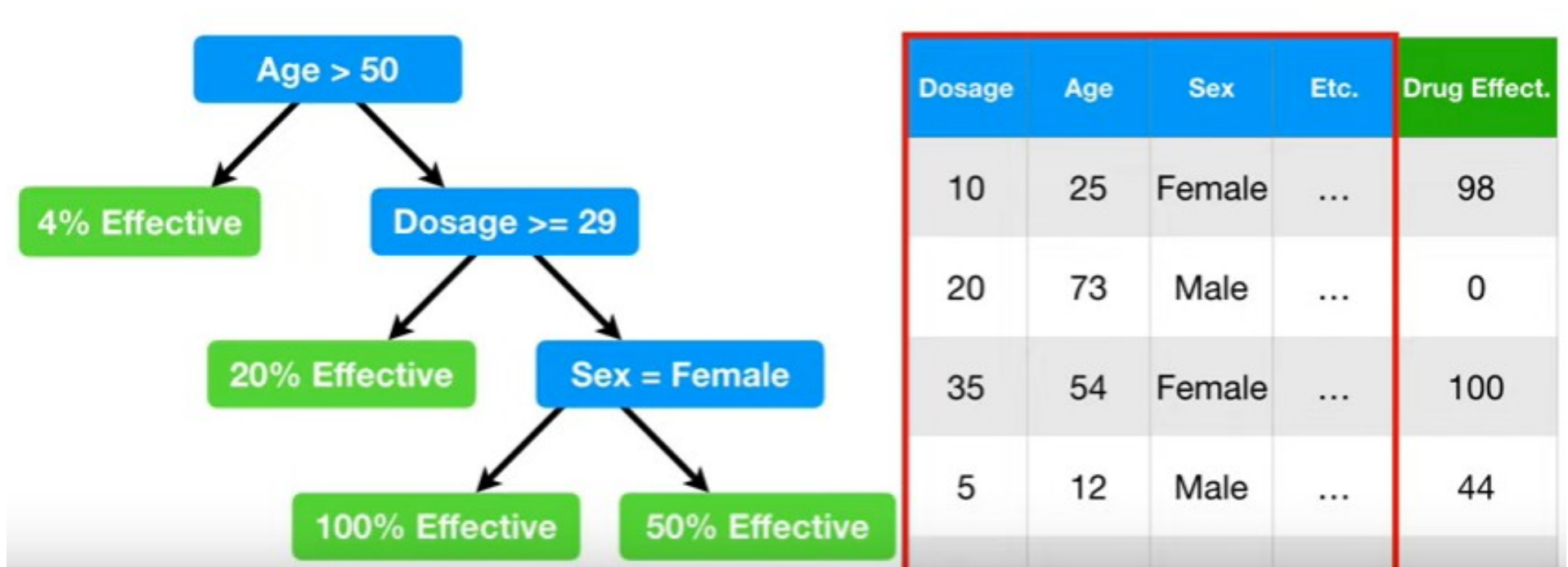
# Solution: Regression Tree



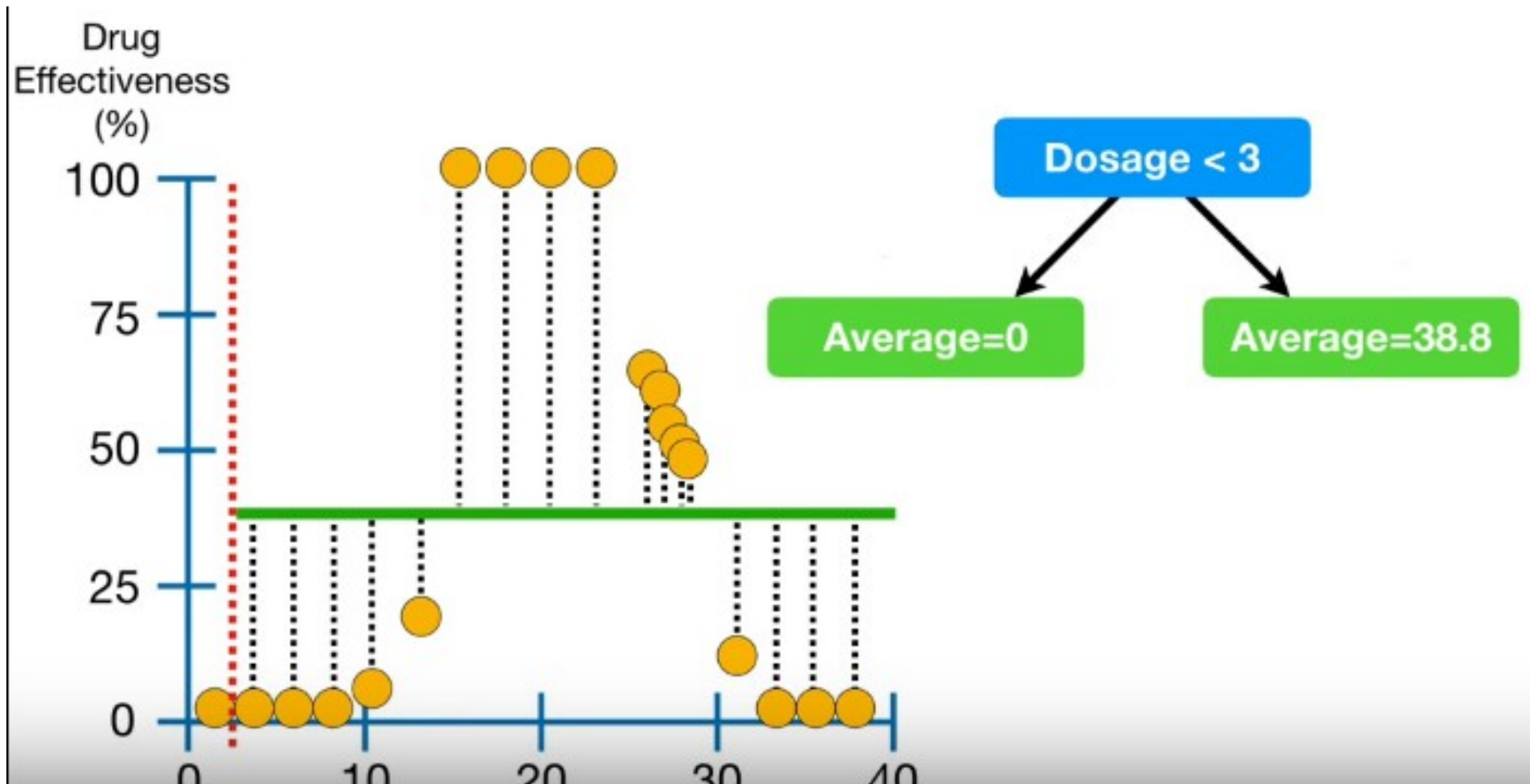
# Can we do it Without Regression Tree?

Previously : Yes

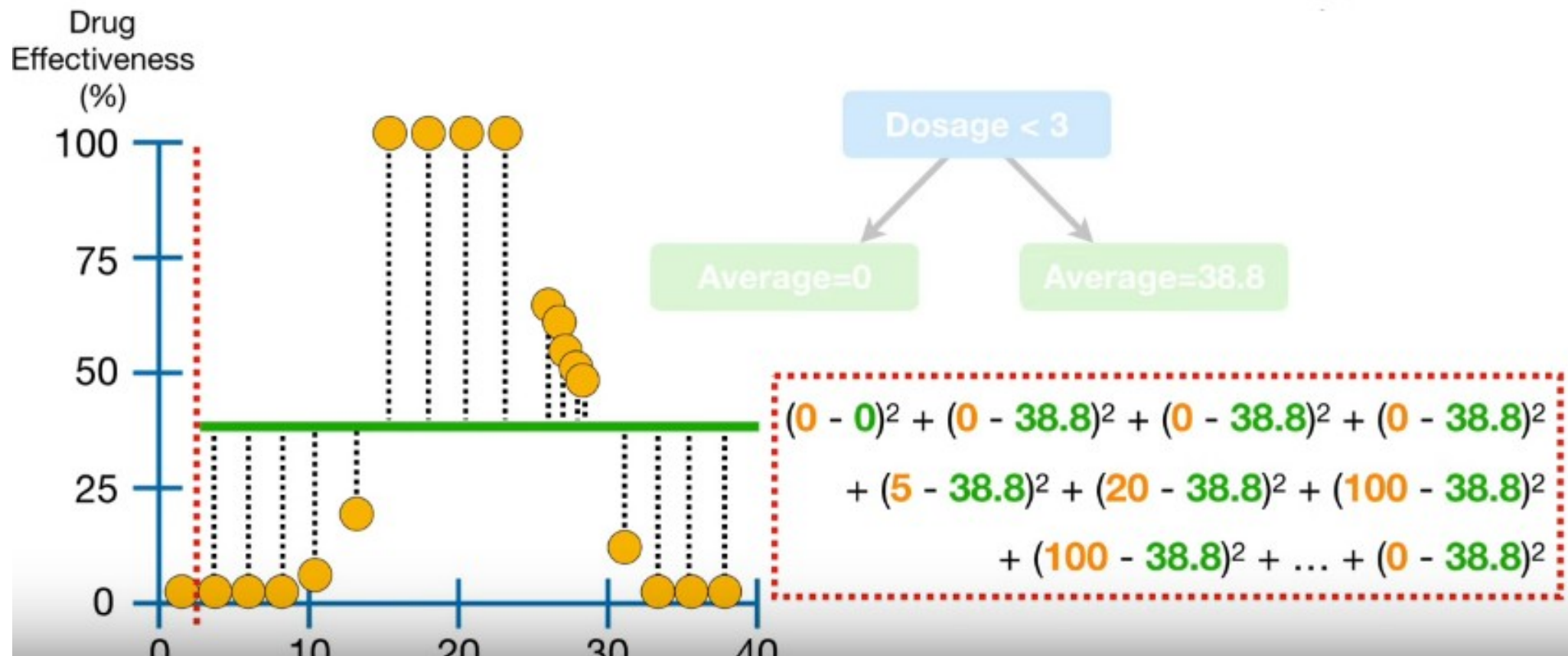
But Now: Almost → No



# How It Works?

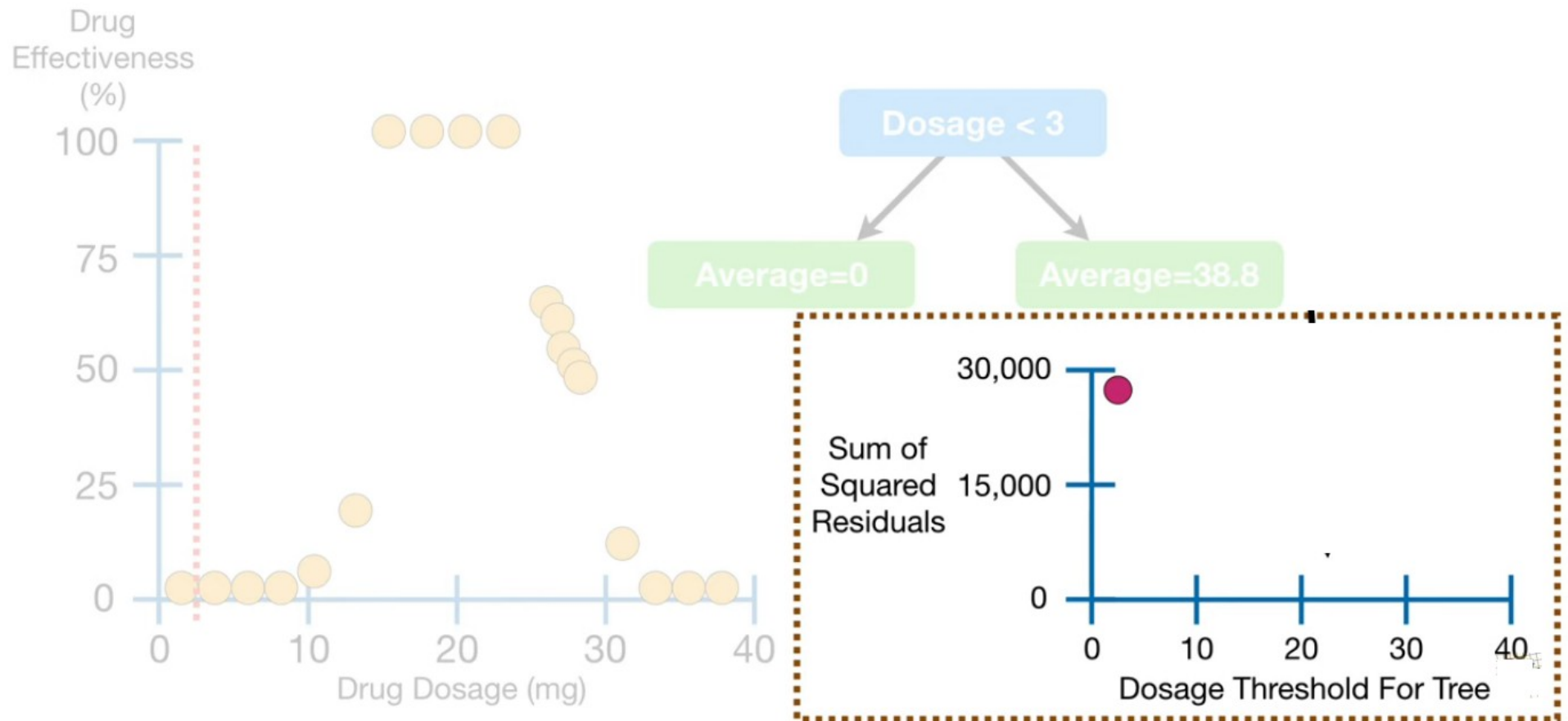


# How It Works?: Error In Partition

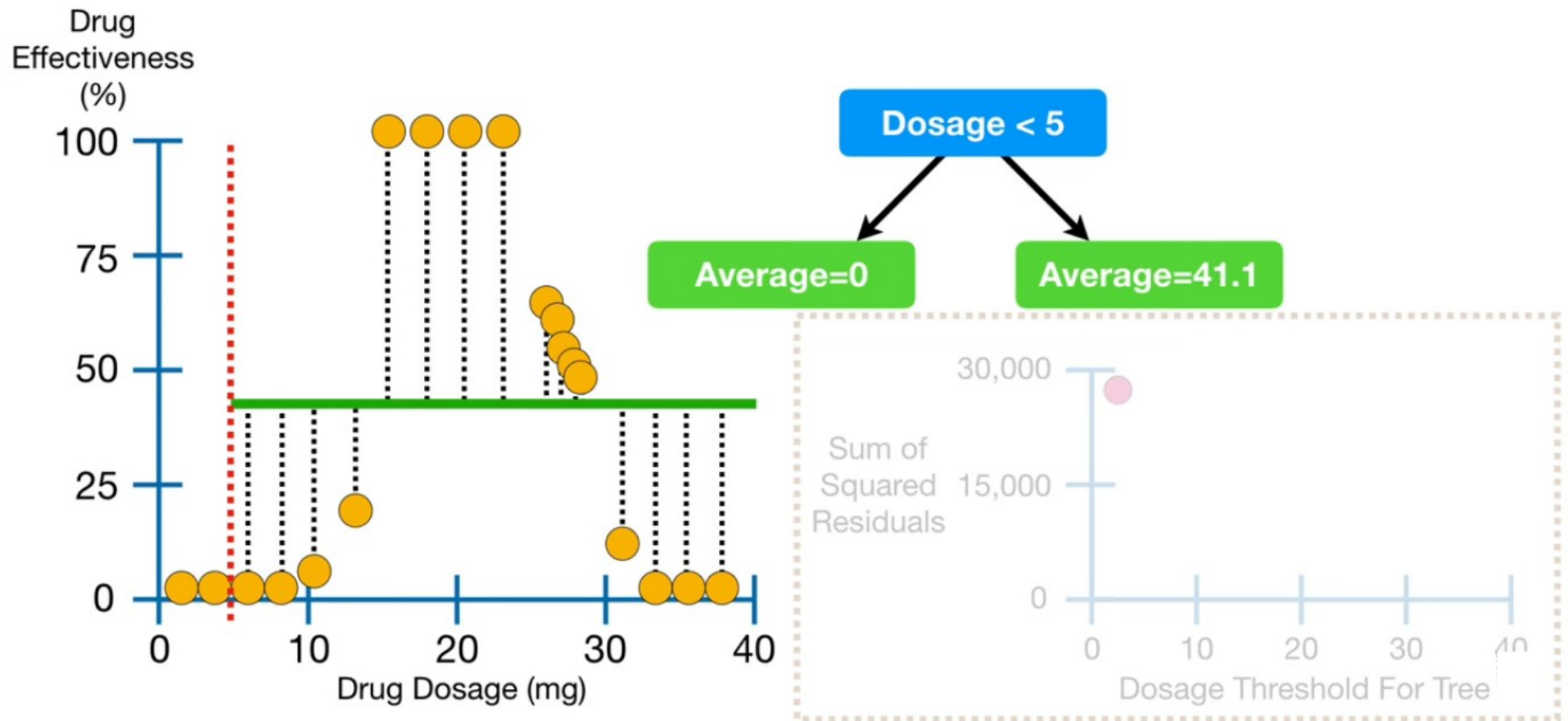




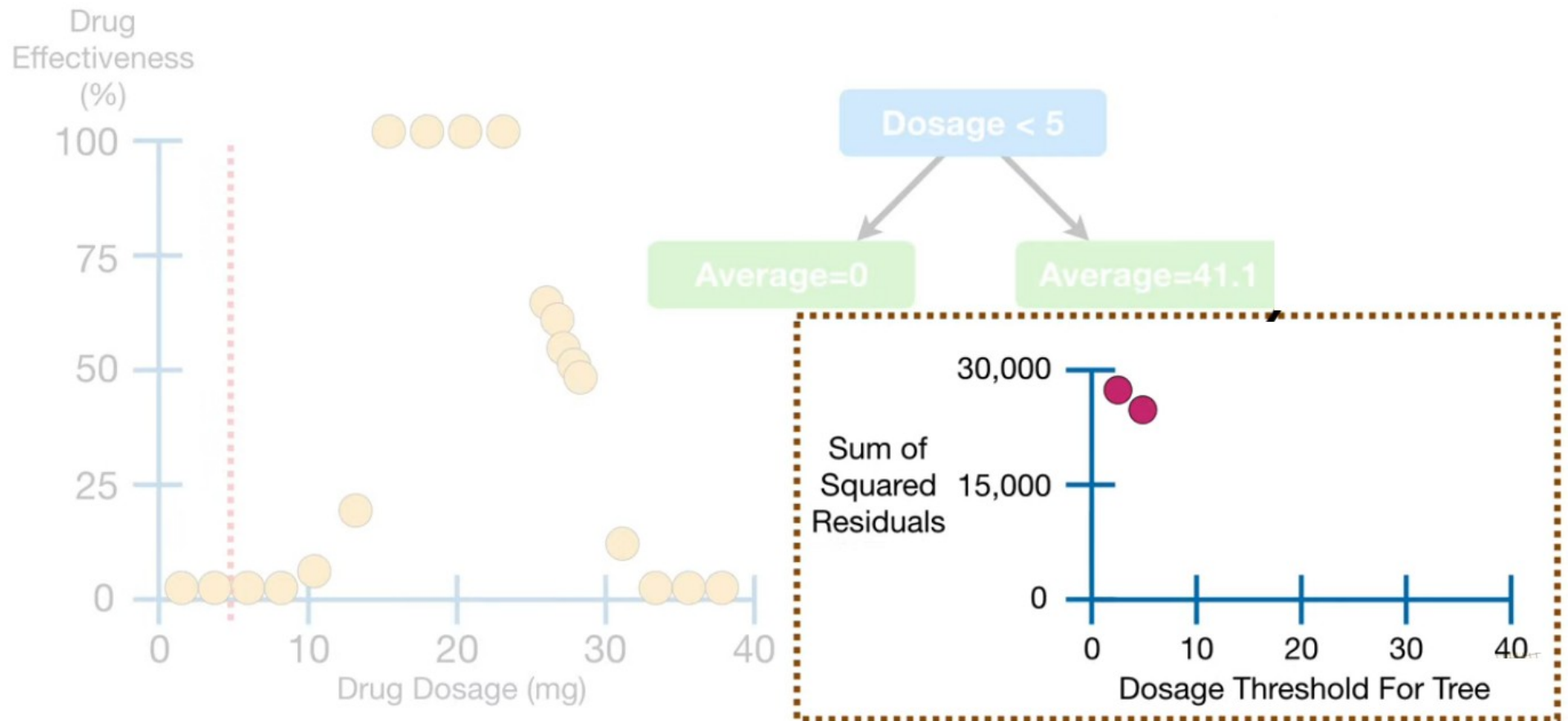
# Plotting Error



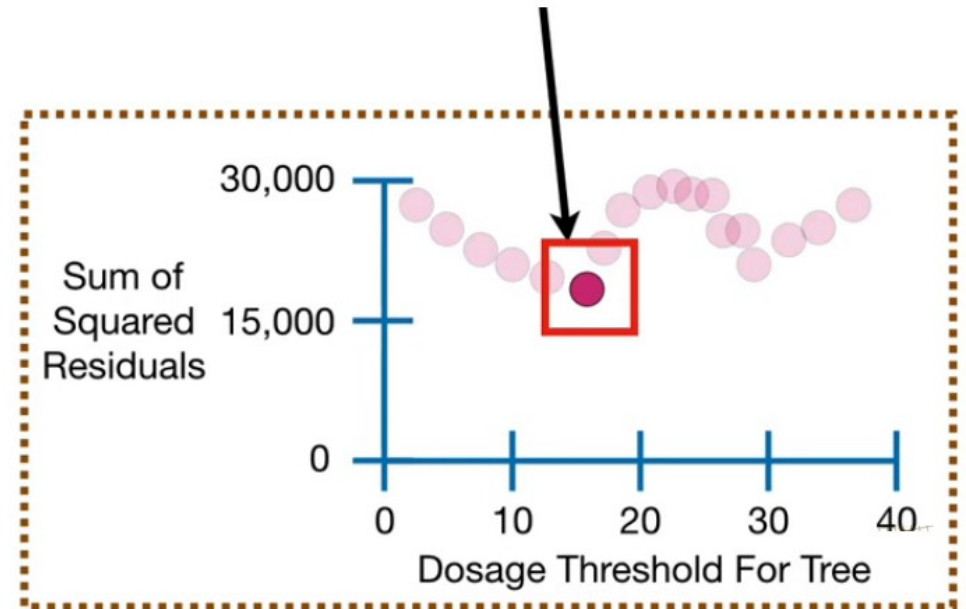
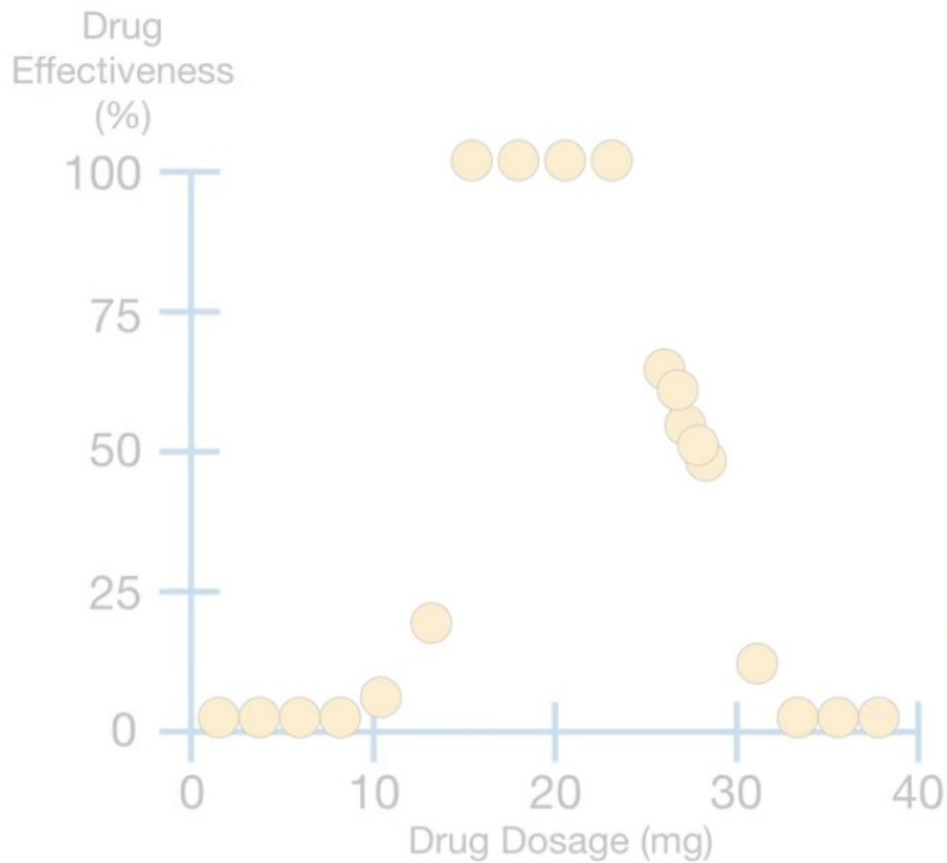
# Try Next Point ?



# Calculating New Errors

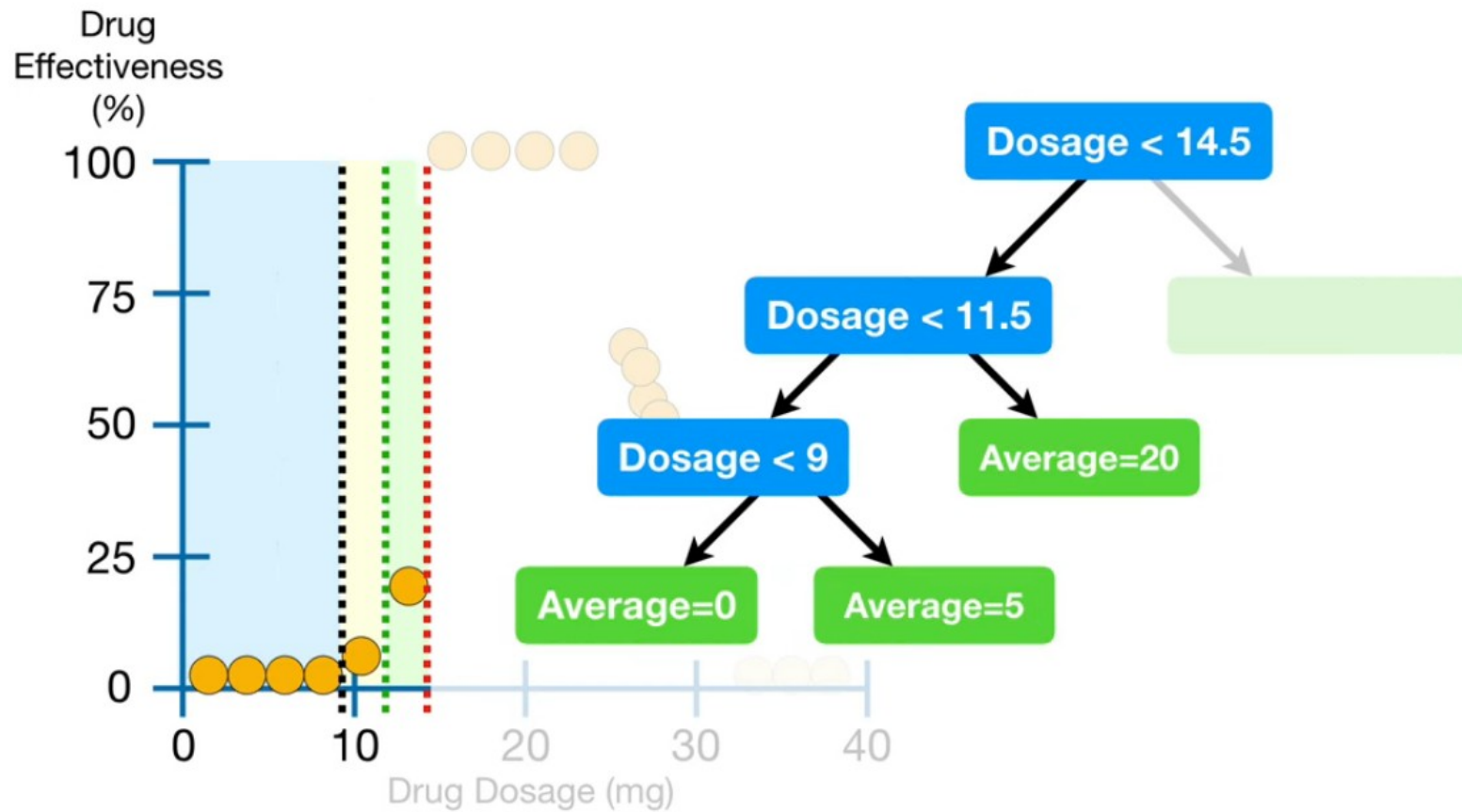


# Finding The Correct Splitting Point

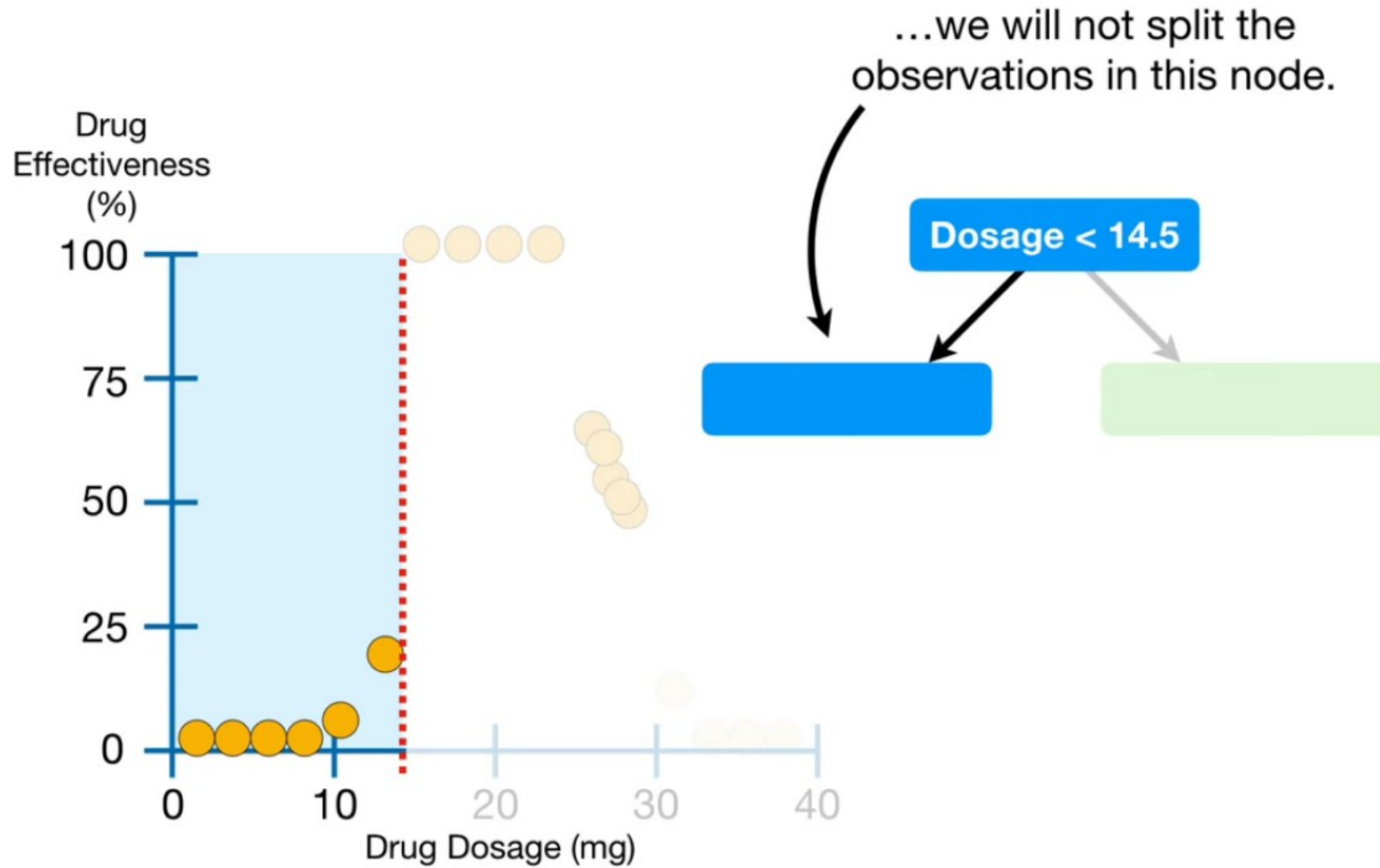


# Repeated Process

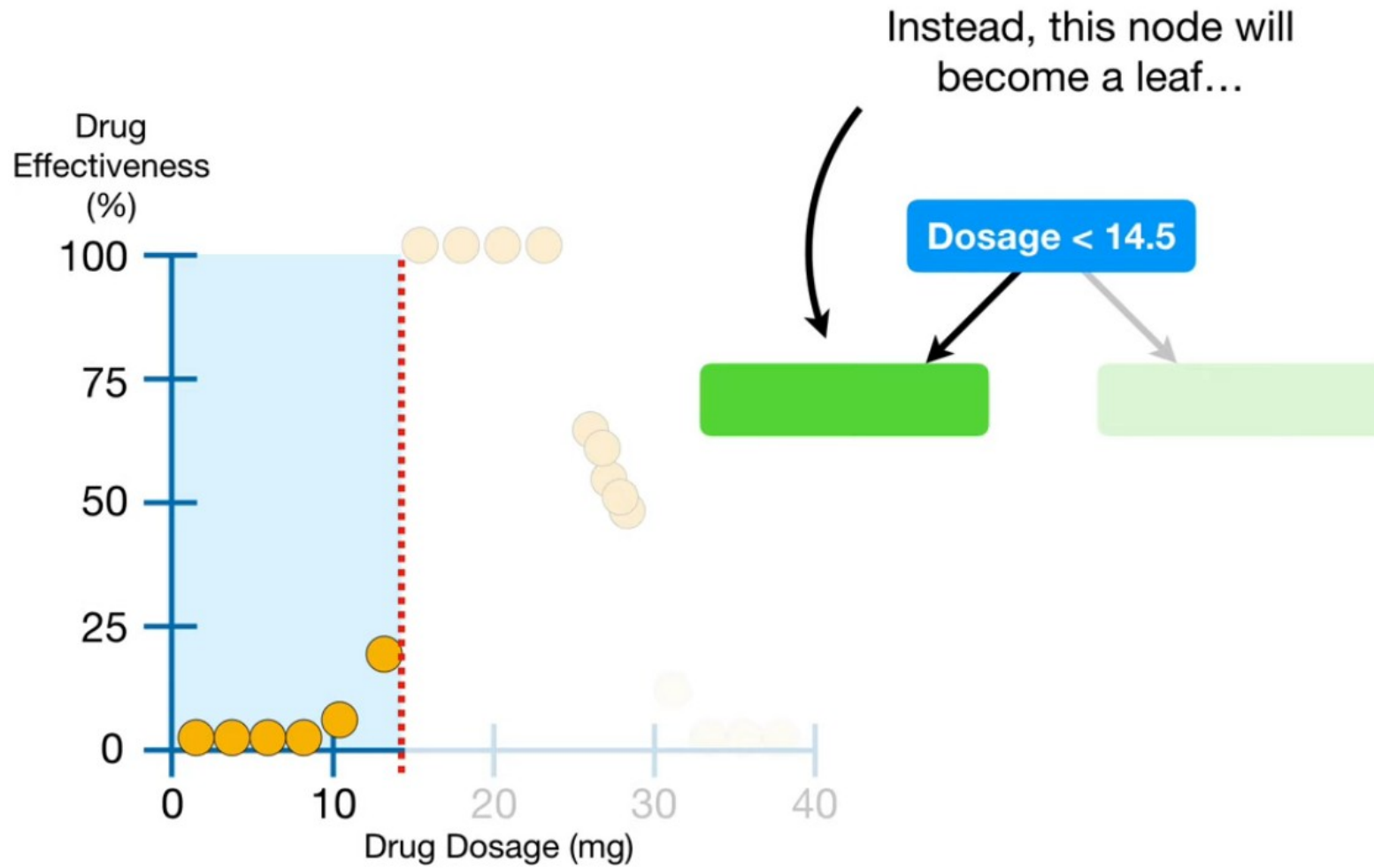
Is that awesome?



# Threshold: Say $\leq 7$



# Threshold



# Final Tree

Since no leaf has more than 7 observations in it,...

