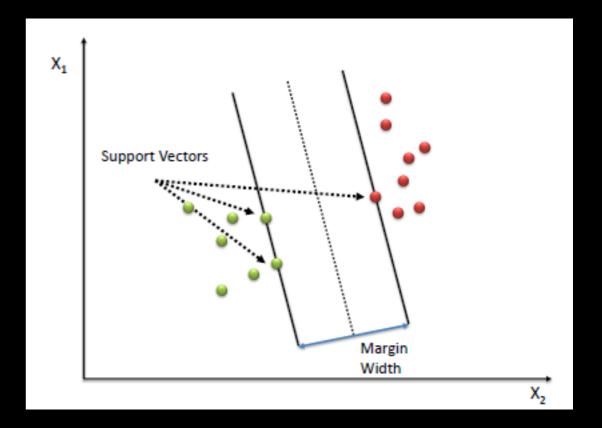
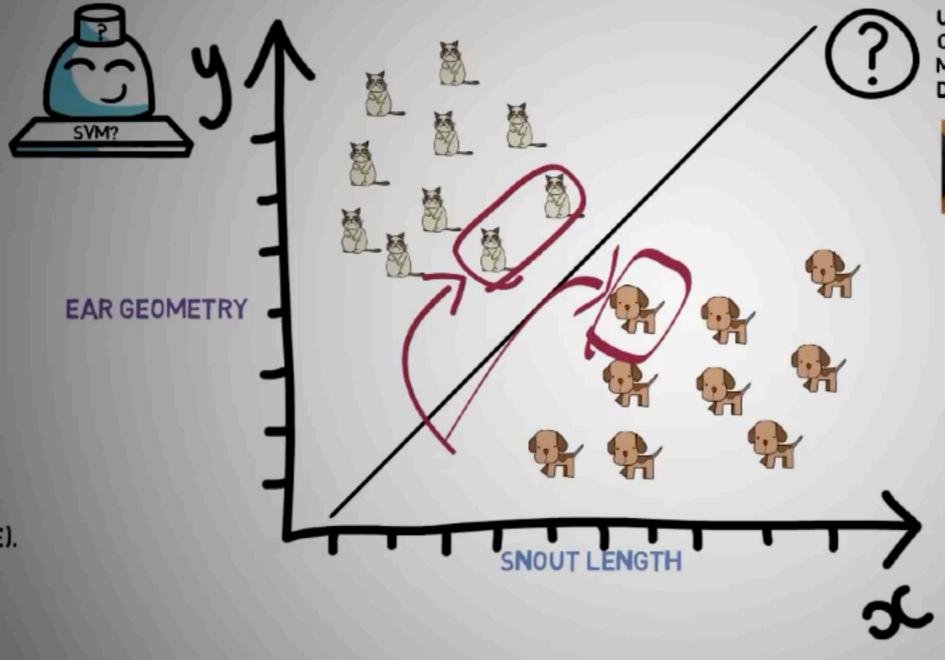
## Support vector machines

attempt to classify data points by creating boundaries that separate one group of data from others using data points to create this boundary called support vectors.

Take a look at the video on the next slide for an explanation.



## HOW DOES IT WORK??



UNOPTIMIZED DECISION BOUNDARY COULD RESULT IN GREATER MISCLASSIFICATIONS ON NEW DATA.



