

Is Free Will an Illusion?

going on an adventure with support vector machines



What are we even doing?

- Can people generate random data?
- Can people fool a classification algorithm?



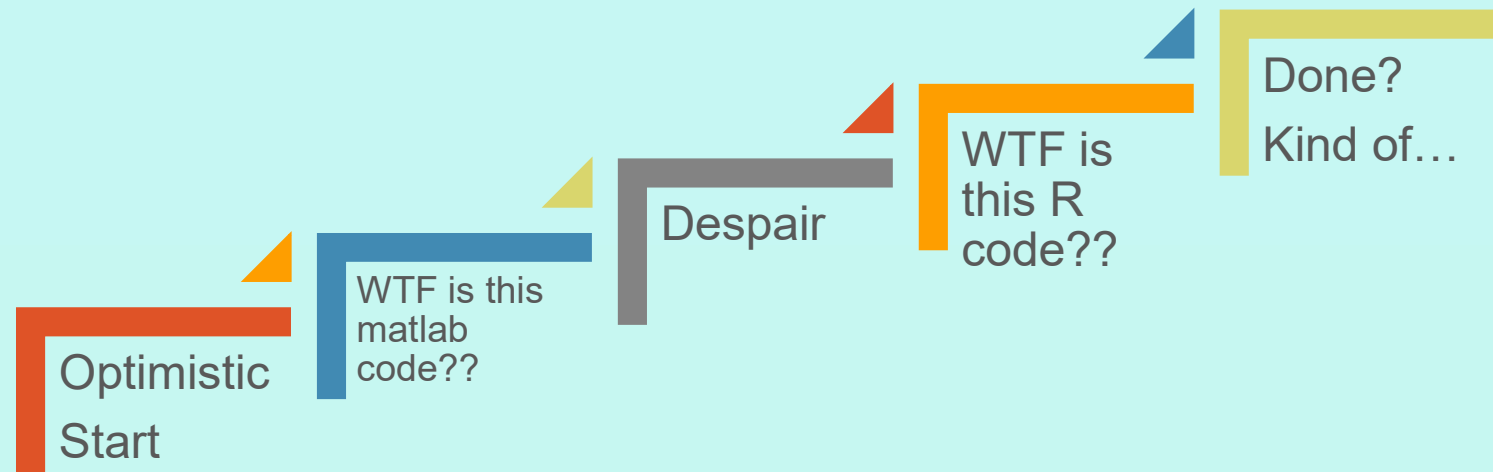
Probably not..

- Tendency to alternate too much
- Underestimate amount of repetition possible in random sequences
- Example:

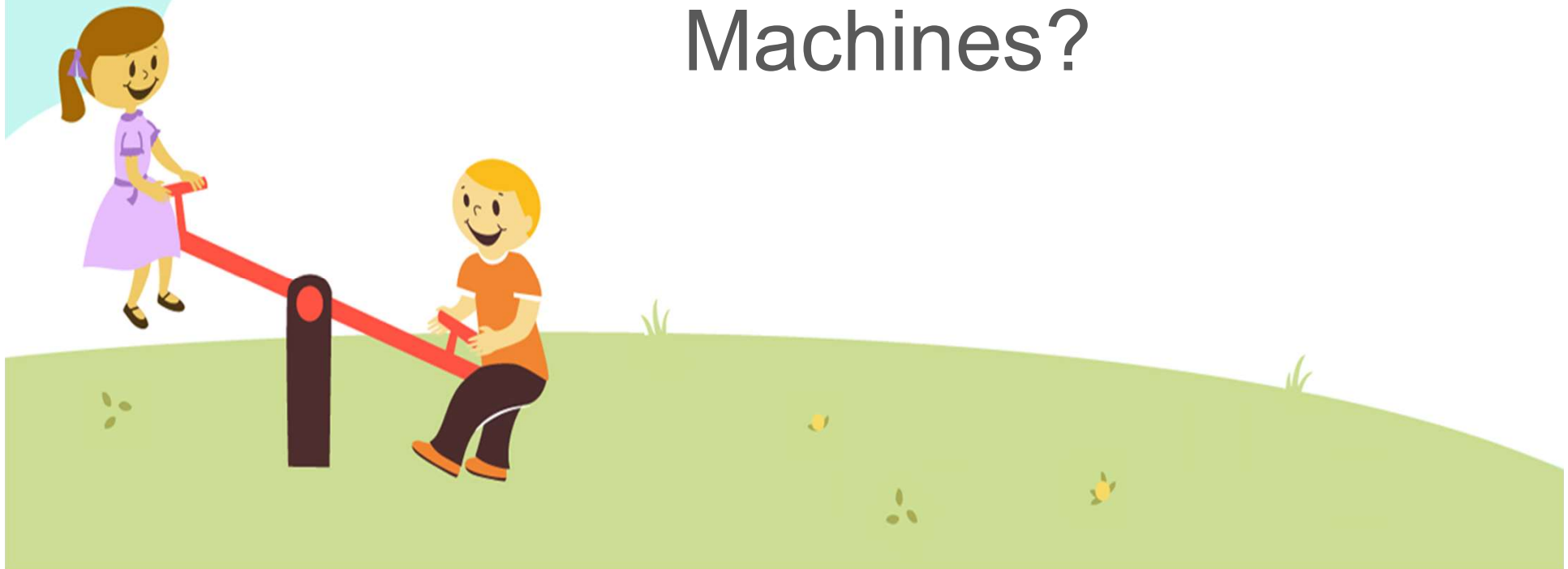
	1	0
1	18	35
0	25	22



How we approached the problem



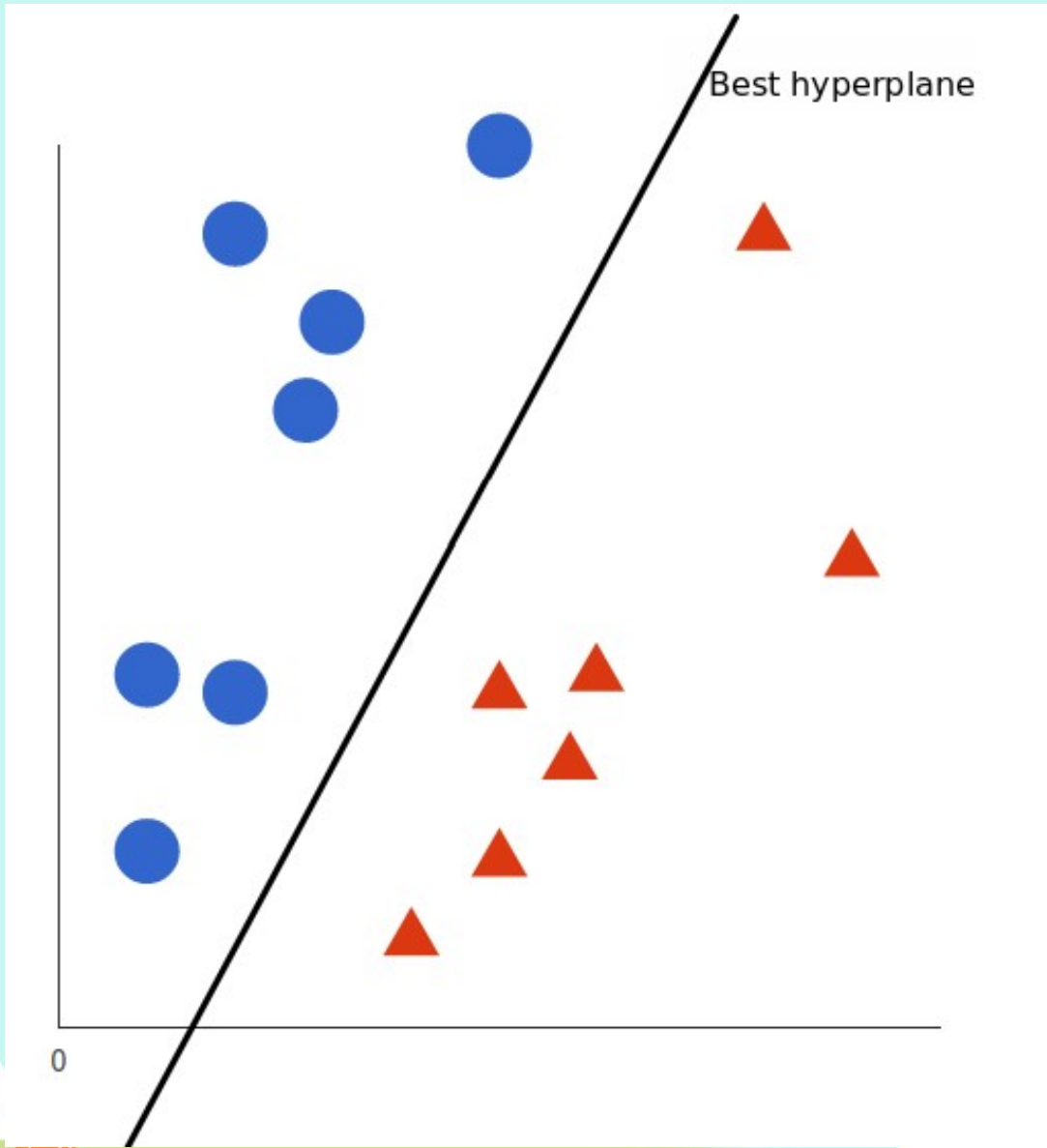
Support What Machines?



Support Vector Machines, you dummy!

- Supervised Learning
- Algorithm to classify binary outcome variable
- Use predictors to predict the outcome





Hyperplane

Fit hyperplane that maximises distance to the support vectors.



Shiny App

- Fight against the support vector machine!
- If the algorithm can classify +60% of responses, you lose.
- Try it out! =)



- Aadildo
- Magdalena
- Katarina
- Sophie
- Iris
- Chiel

Thanks for
tolerating us!

Questions?

please no

