

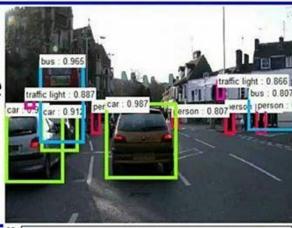
Discussion Section class**C**fier



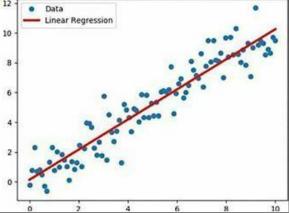
Let's just jump right into it

### Online Courses

What they promise you will learn



What you actually learn



**Statistics** 

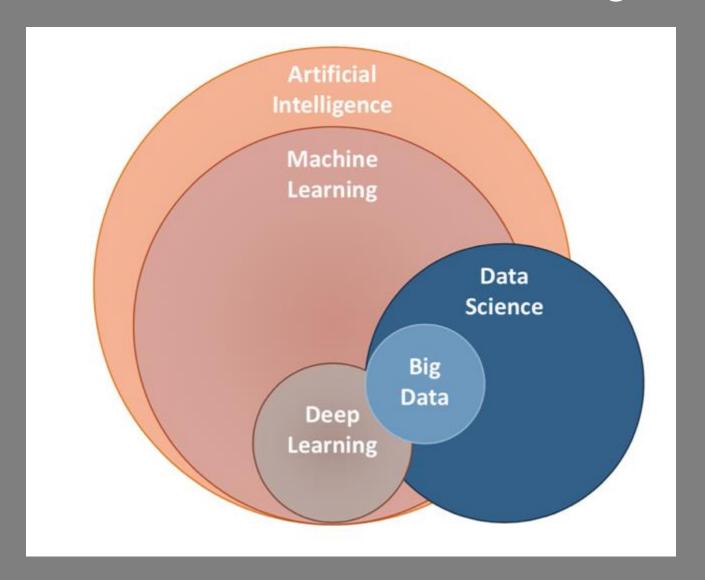
MACHINE

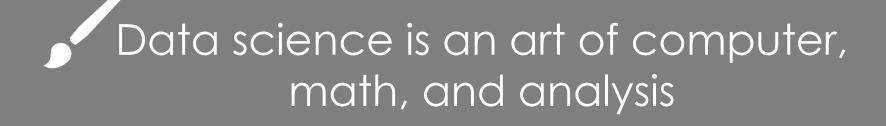
2009

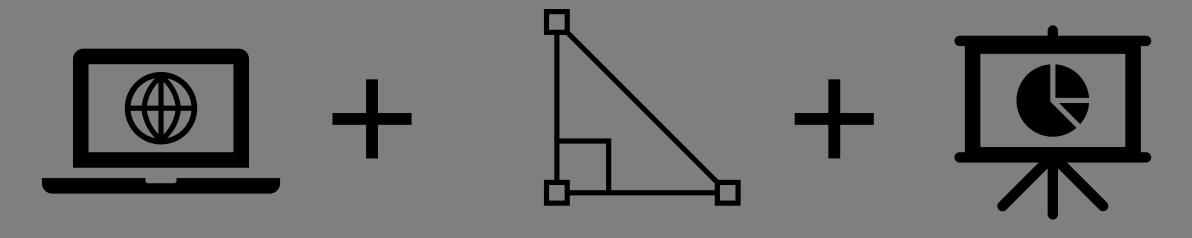
2019

#10yearchallenge

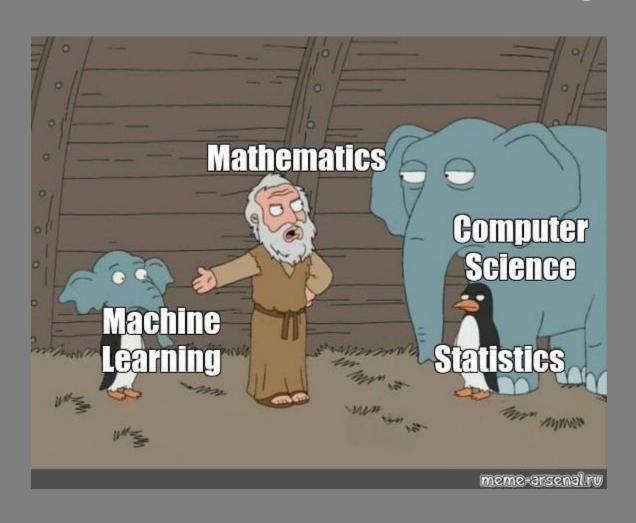
#### Data science, AI, Machine Learning, etc.







# Basically, math is the backbone of data science and machine learning



## Let's learn python



### But you know, I learned something today



With combination of math, python, and data analysis, we can work with big data