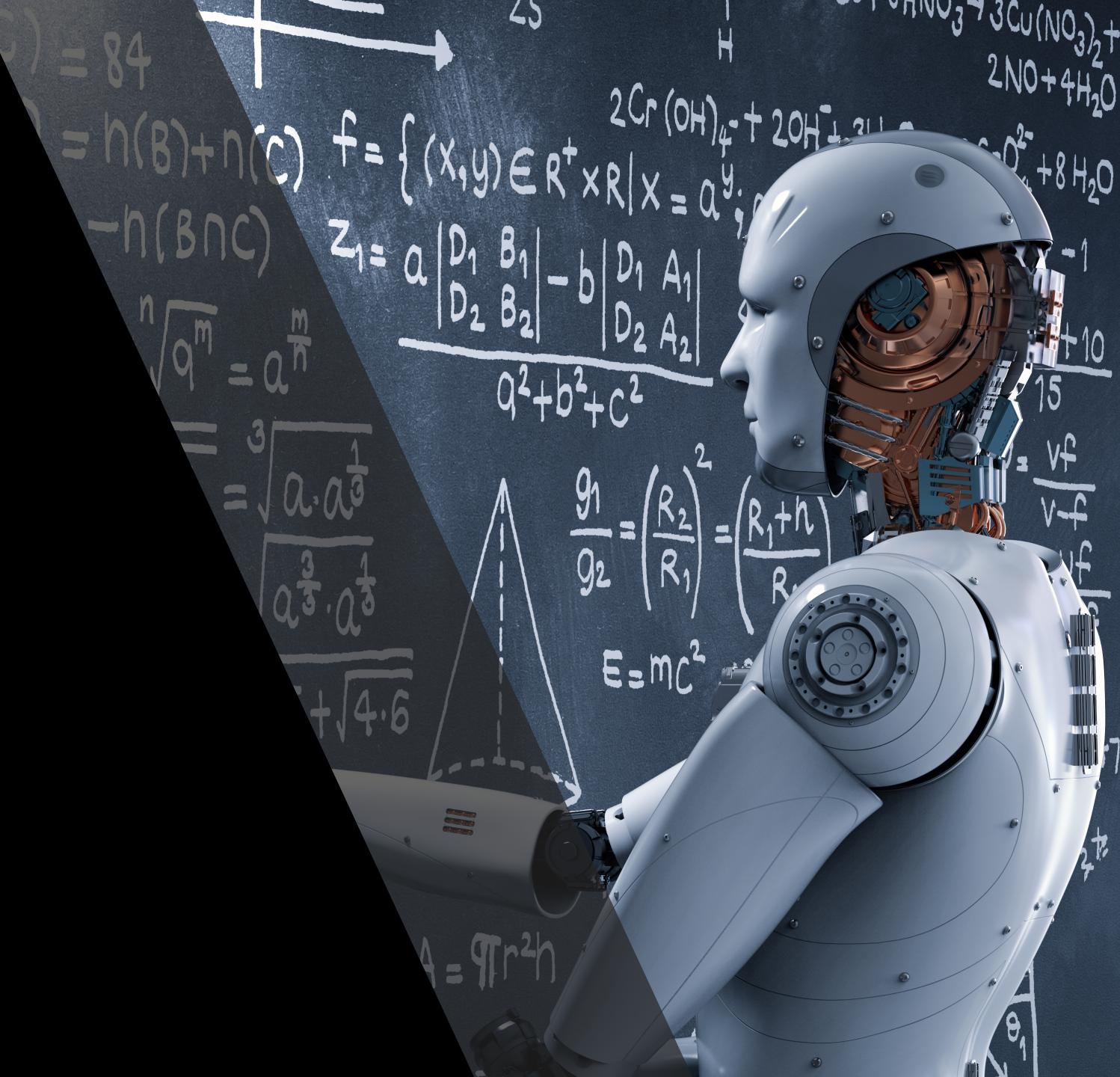


Jason Joslin

May-2019

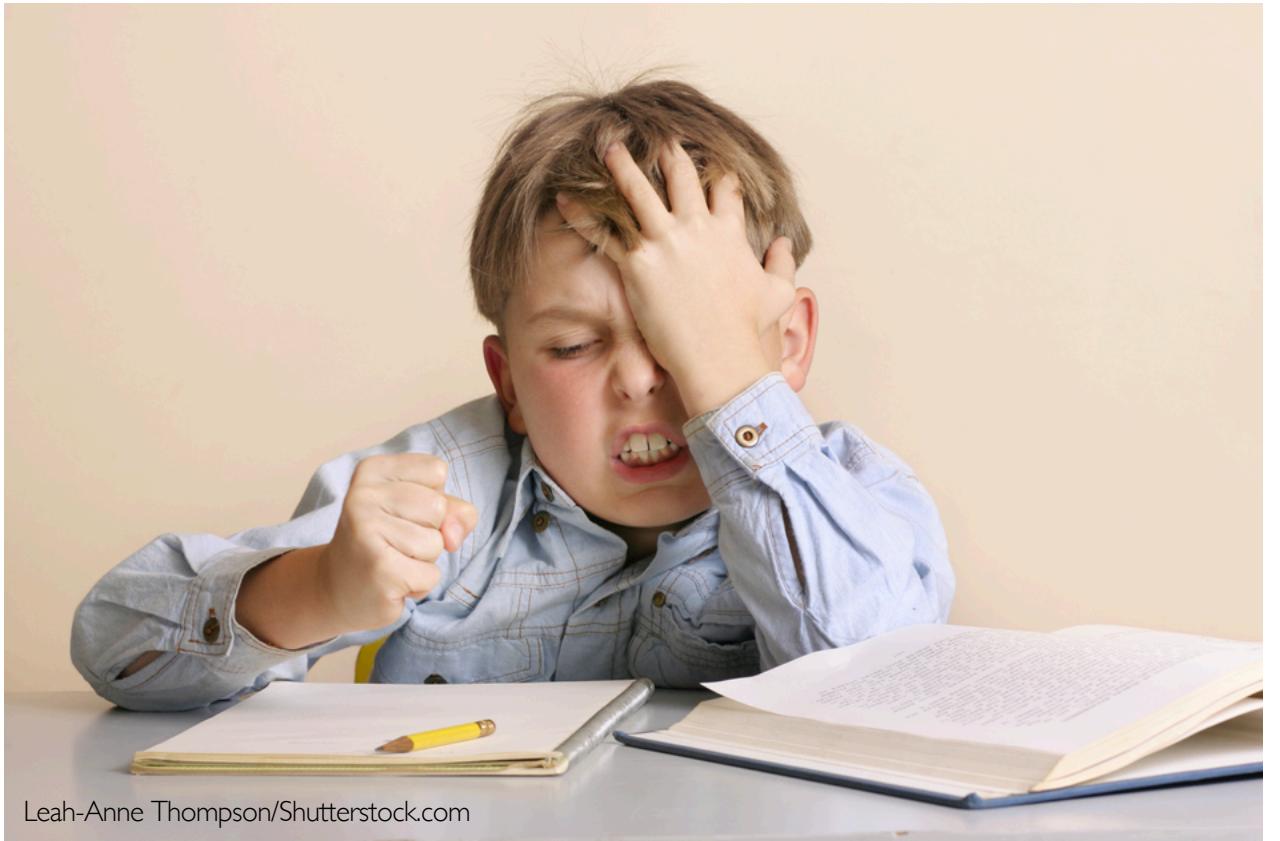
[github.com/jasonjoslin/learn-datasience](https://github.com/jasonjoslin/learn-datasience)

# Ways I like to learn data science



# Learning

- Can be hard
- Lose concentration
- Bad explanations
- No practice



Leah-Anne Thompson/Shutterstock.com

# Ways

- Formal Education
- Conferences
- E-learning
- Books
- Movies & Shows
- Competitions
- Events
- Online Videos
- Websites
- Social Media



# Formal Education

- Masters in Data Science
- Consider part-time over 2 years

## **Pros:**

*Learn more theory*

## **Cons:**

*Gap between academia and industry*

## **Top Tip:**

*Build a network of data scientist friends*

# Conferences

- Open Data Science Conference
- O'Reilly AI Conference
- Big Data LDN (Free)
- Data Science Festival (Free)
- PyData Conference

**Pros:**

*Loads of content*

**Cons:**

*Simultaneous tracks*

**Top Tip:**

*Go as a volunteer for free*

# E-learning

Coursera

- Machine Learning with Andrew Ng
- Mathematics for Machine Learning with Imperial College London

Lynda

- Data Science Foundations: Fundamentals
- Unix for Mac OS X Users

Khan Academy

- Math Track

**Pros:**

*Time flexible*

**Cons:**

*Can be costly*

**Top Tip:**

*Consume as much for free before committing any money.*

# Books

- Homo Deus: A brief history of tomorrow by Yuval Noah Harari
- WTF? by Robert Peston
- Life 3.0 by Max Tegmark
- Everybody Lies by Seth Stephens-Davidowitz
- Naked Statistics by Charles Wheelan

**Pros:**

*Rich explanations*

**Cons:**

*Opinionated*

**Top Tip:**

*Consume as audiobooks*

# Movies & Shows

## Movies

- Moneyball

### **Pros:**

*Easy to watch*

### **Cons:**

*Light on content*

### **Top Tip:**

*Observe the human reaction.*

## Netflix Shows

- AlphaGo
- Black Mirror

# Competitions

- Kaggle
- DataDriven

## Pros:

*Fast learning curve*

## Cons:

*Seems daunting*

## Top Tip:

*Get on the leaderboard ASAP,  
then make small incremental  
changes.*

# Events

## Meetup.com Groups

- Data Science Speakers Club
  - PyData London
  - IBM Code London
  - Data Science Festival – London
  - Data Engineering for Data Science
- Eventbrite
- Alan Turing Institute
  - King's College London

### **Pros:**

*Often free pizza*

### **Cons:**

*Content quality variable*

### **Top Tip:**

*Introduce yourself to someone you don't know and practice the language of data science.*

# Online Videos

## YouTube

- Siraj Raval
- Luis Serrano
- 3Blue | Brown

### Pros:

*Visual explanations*

### Cons:

*Content unchecked*

### Top Tip:

*If an explanation isn't working for you, skip to the next one.*

# Websites

- Chris Albon – Code examples
- OpenIntro – Statistics Guide

# Social Media

## Instagram

- Follow #datascience

### **Pros:**

*Occasional nuggets*

### **Cons:**

*Infinite and addictive*

### **Top Tip:**

*Set it to get a few of the top post each week.*

## LinkedIn

- Follow companies