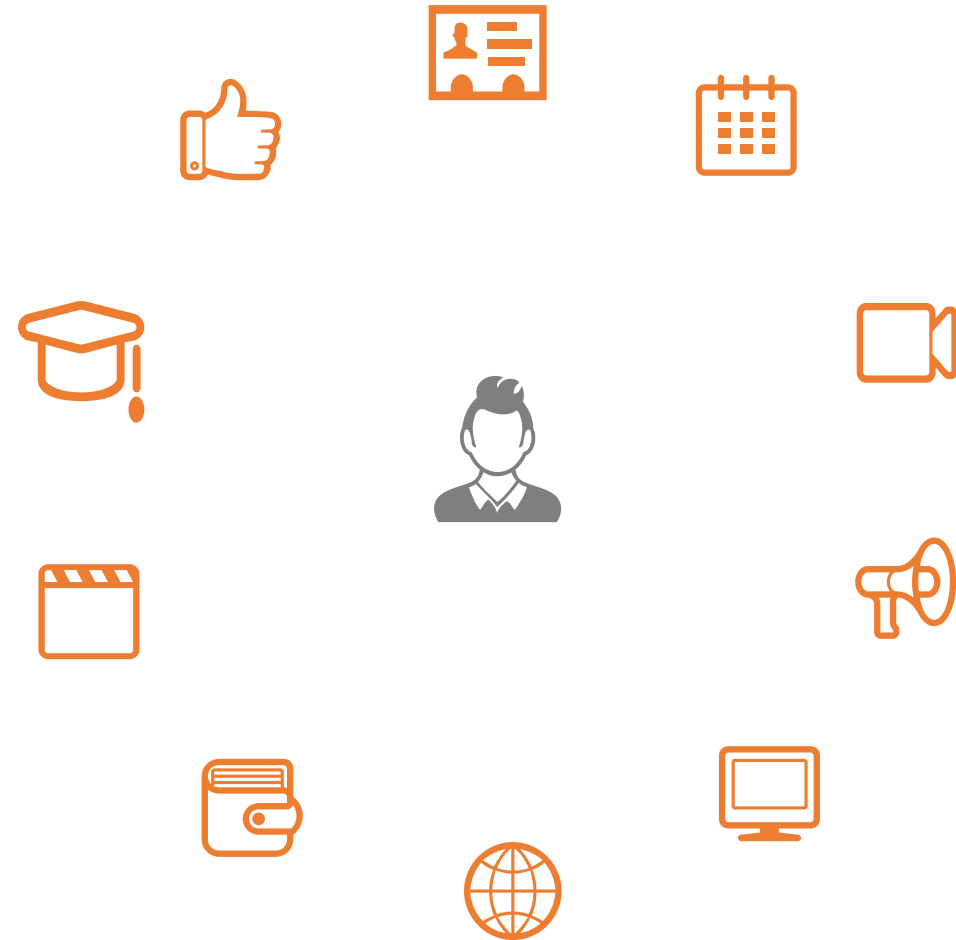# Ways I like to learn Data Science

Jason Joslin

May-2019

# Channels

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

# 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 & TV

Movies

• Moneyball

Netflix Shows

• AlphaGo

• Black Mirror

**Pros:**
*Easy to watch*

**Cons:**
*Light on content*

**Top Tip:**
*Observe the human reaction*

# E-learning

Coursera

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

Lynda

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

Khan Academy

- Math Track

**Pros:**
*Time flexible*

**Cons:**
*Lengthy*

**Top Tip:**
*Speed up video during easy bits*

# 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*

# 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*

# Competitions

- Kaggle
- DataDriven

**Pros:**
*Fast learning curve*

**Cons:**
*Beyond commercially viable solutions*

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

# Social Media

Instagram
- #datascience

LinkedIn
- Follow companies

**Pros:**
*Occasional nuggets*

**Cons:**
*Infinite and addictive*

**Top Tip:**
*Set to get a few of the top post each week*

# Online Videos

YouTube

- Siraj Raval

- Luis Serrano

- 3Blue1Brown

**Pros:**
*Visual explanations*

**Cons:**
*Content unchecked*

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

# 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*

# Websites

- Chris Albon – Code examples
- OpenIntro – Statistics Guide