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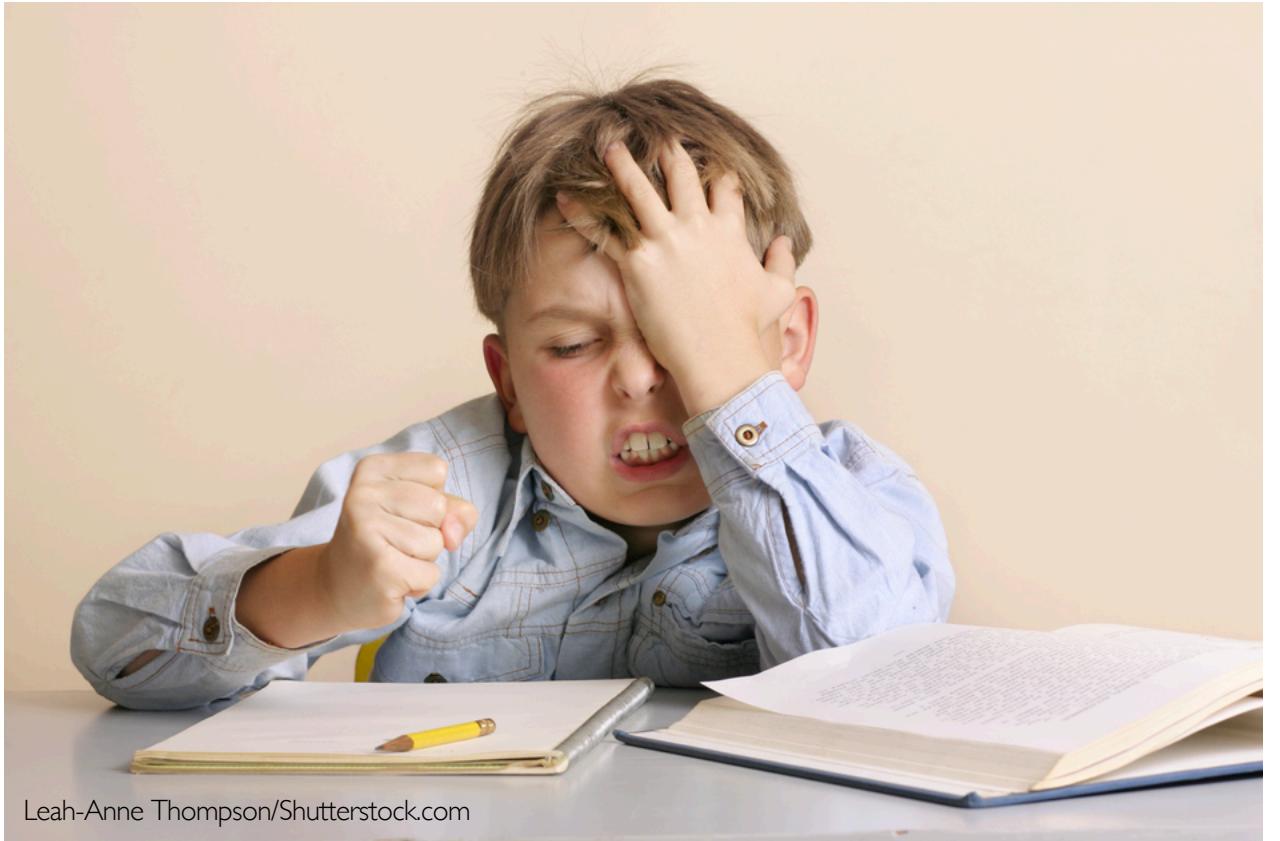
github.com/jasonjoslin/learn-datasience

Ways I like to learn data science



Learning

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



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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