

Data Storytelling

This repository contains all the needed information for the Data Visualization and Storytelling course. The objective of the course is to emphasize on principles, theory, processes and techniques used to build effective visuals helping students to choose the best way to show data, understand data and communicate with data. Practical application of data visualization will give students some of the foundations needed:

- to present data using engaging and impactful visual design
- to go deeper and grow additional skills in data visualization using other tools

Graded Exam & Assignment

All the information related to grading and the personal and group work is available here:

- [Challenges and assignments](#)
- If you have doubts or you're not sure what is expected, ask your instructor as soon as possible.

Course setup

For the Lab section of the course, students will use IBM Watson Studio which is an IBM Cloud Service. The tasks needed to setup your Lab environment are the following:

1. Create an IBM Cloud account ([instructions](#))
2. Create the IBM Watson Studio instance ([instructions](#))
3. Load the needed data files into the project as Data Assets

Course labs

Practical Hands-on experience will be provided during the Labs. List of Labs is available here, clicking on the link will direct you to the Labs instructions.

- [Visualization using IBM Watson Studio](#)
 - Brunel Visualization
 - Pixie Dust Visualization
 - Seaborn Visualization
 - Embedded Dashboards

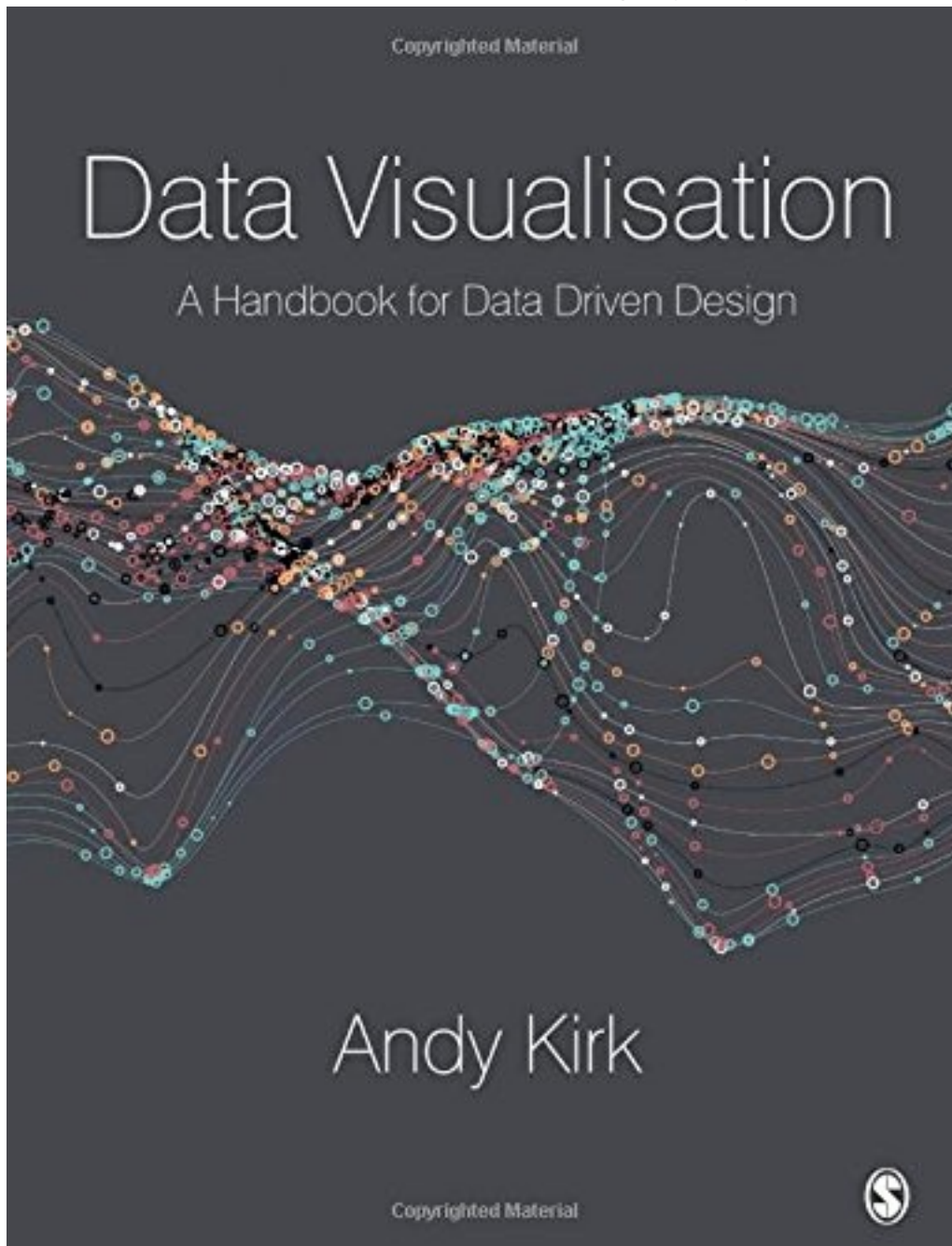
Resources

This section covers all additional resources which you might want to explore to get a broader

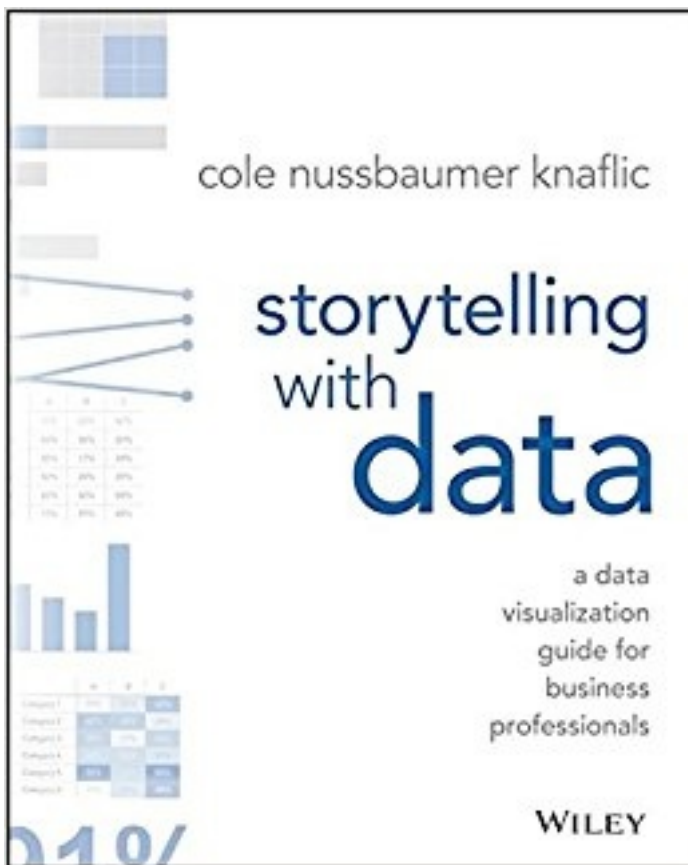
understanding of some of the major Visualization libraries, techniques, tools and so on. It includes tutorials, related web sites, course material.

Readings and Videos

- Data Visualisation *A Handbook for Data Driven Design* by Andy Kirk



- Storytelling with Data by Cole Nussbaumer Knaflic



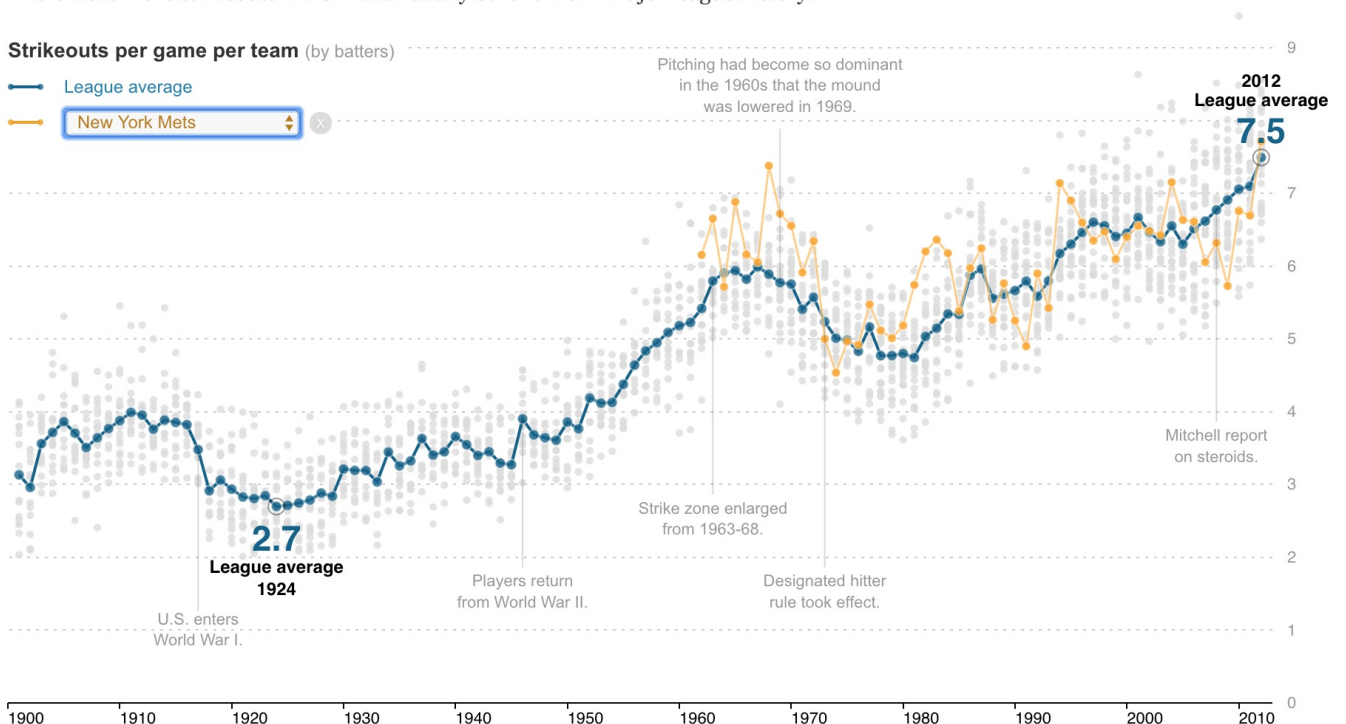
- [Information is Beautiful](#) TED conference by David McCandless

D3

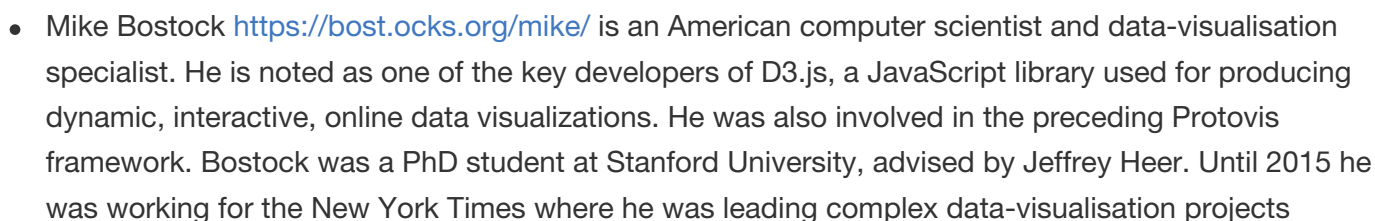
- D3.js beginners course by Mike Taptich <https://github.com/mtaptich/d3-lessons/>
- [NY Times - MLB Strikeouts on the Rise](#)

Strikeouts on the Rise

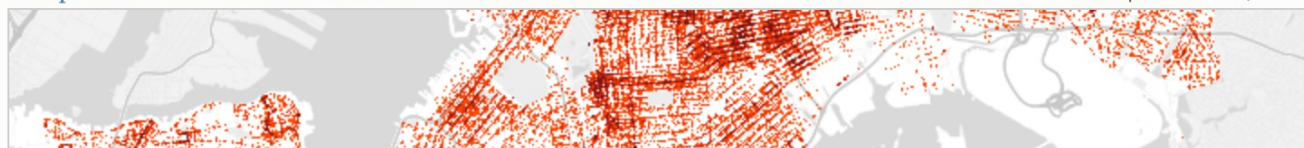
There were more strikeouts in 2012 than at any other time in major league history.



- [NY Times - The Facebook Offering](#)

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December 20, 2014



- D3.js project homepage: <http://d3js.org>

Useful Websites

- DataVisualization.ch Selection (<http://selection.datavisualization.ch>) is a collection of tools that we, the people behind Datavisualization.ch, work with on a daily basis and recommend warmly. This is not a list of everything out there, but instead a thoughtfully curated selection of our favourite tools that will make your life easier creating meaningful and beautiful data visualizations.
- Visualising Data Website <http://www.visualisingdata.com/resources> presents a quite exhaustive list of tools