**Day 6**[Help](https://class.coursera.org/bigdataschool-001/help/pages?url=https%3A%2F%2Fclass.coursera.org%2Fbigdataschool-001%2Fwiki%2FDay_6)

**Data Visualization** (S. Davidoff)

* [A Brief Introduction to Data Visualization](https://class.coursera.org/bigdataschool-001/lecture/97) [6:04] [Slides](https://d396qusza40orc.cloudfront.net/bigdataschool/lecture_slides/davidoff-1-intro.pdf) (pdf)
* [Perception and Dimensional Mapping](https://class.coursera.org/bigdataschool-001/lecture/99) [20:38] [Slides](https://d396qusza40orc.cloudfront.net/bigdataschool/lecture_slides/davidoff-2-perception-mapping.pdf) (pdf)
* [Visual Communication Fundamentals](https://class.coursera.org/bigdataschool-001/lecture/101)[16:04] [Slides](https://d396qusza40orc.cloudfront.net/bigdataschool/lecture_slides/davidoff-3-viscommfund.pdf) (pdf)
* [Multidimensional Mapping](https://class.coursera.org/bigdataschool-001/lecture/103) [10:01] [Slides](https://d396qusza40orc.cloudfront.net/bigdataschool/lecture_slides/davidoff-4-multidimmap.pdf) (pdf)
* [Graphs and Trees](https://class.coursera.org/bigdataschool-001/lecture/105) [09:50] [Slides](https://d396qusza40orc.cloudfront.net/bigdataschool/lecture_slides/davidoff_5_graphstrees.pdf) (pdf)
* [Interaction](https://class.coursera.org/bigdataschool-001/lecture/107) [12:00] [Slides](https://d396qusza40orc.cloudfront.net/bigdataschool/lecture_slides/davidoff-6-interaction.pdf) (pdf)
* [Exercises](https://dl.dropboxusercontent.com/u/10059910/intro-to-visualization.zip) (instructions, data and links)

**Additional readings and resources**

Readings and Video:

* Tufte, [The Visual Display of Quantitative Information](http://www.amazon.com/The-Visual-Display-Quantitative-Information/dp/0961392142)
* Tufte, [Envisioning Information](http://www.amazon.com/Envisioning-Information-Edward-R-Tufte/dp/0961392118)
* Caltech/JPL Symposium on Visualization, <https://vimeo.com/channels/544709>
* IEEE Conference on Visualization, <http://ieeevis.org/>
* Visualization Blog, <http://infosthetics.com/>
* Marey on Wikipedia, [http://en.wikipedia.org/wiki/%C3%89tienne-Jules\\\\_Marey](http://en.wikipedia.org/wiki/%C3%89tienne-Jules%5C%5C%5C_Marey)
* Minard on Wikipedia, [http://en.wikipedia.org/wiki/Charles\\\\_Joseph\\\\_Minard](http://en.wikipedia.org/wiki/Charles%5C%5C%5C_Joseph%5C%5C%5C_Minard)

Toolkits: 

* Bokeh, <http://bokeh.pydata.org/index.html>
* Vispy, <http://vispy.org/>
* Plotly, <https://plot.ly/>
* Glue, [http://www.glueviz.org/en/stable/getting\\\\_started.html](http://www.glueviz.org/en/stable/getting%5C%5C%5C_started.html)
* D3PO, <http://d3po.org/>