

Syllabus

Meeting Time: Tuesday/Thursday 3:30-5 p.m. in 210 South Hall.

Instructor: Michael Porath (mike@ischool), office hours Tuesday/Thursday 5-6 p.m. in 211 South Hall, by appointment.

TA: Galen Panger (gpanger@ischool), office hours Monday afternoon by appointment.

3 units

Overview

This semester will give you an extensive overview of the field of Information Visualization. We are following a **hands-on approach**. Readings and lectures *on Tuesday* will cover basic visualization principles and theory. During the labs section *on Thursday* we will cover practical introductions to tools and frameworks, **tying together theory and practice**. We will discuss existing visualizations and critique their effectiveness in conveying information. Finally, guest speakers from the industry will give an insight into how information visualization is used in practice.

Tuesday Lecture	Thursday Lab	Assignments
Jan 22 – Introduction	Jan 24 – Data	
Jan 29 – From Data To Visualization	Jan 31 – Tableau	Assignment 1 due (Tue)
Feb 5 – Multivariate Visualizations	Feb 7 – R + ggplot2	Assignment 4 check in (Tue)
Feb 12 – Dashboards – Guest Lecture by Stephen Few	Feb 14 – Vector Graphics	Assignment 2 due (Tue)
Feb 19 – Perception	Feb 21 – RaphaelJS	
Feb 26 – Color	Feb 28 – D3 I	Assignment 3 due (Tue)
Mar 5 – Interaction	Mar 7 – D3 II	
Mar 12 – Storytelling	Mar 14 – Storytelling	
Mar 19 – Effective Visualizations	Mar 21 – Visualization Critique	Assignment 4 due (Tue)
Mar 26 – Spring Break	Mar 28 – Spring Break	

Apr 2 – Types of Visualizations I – Time	Apr 4 – D3 III	Final Project Proposals due (Thu)
Apr 9 – Types of Visualizations II – Text	Apr 11 – Concept Critique	
Apr 16 – Types of Visualizations III – Networks, Graphs, Hierarchy	Apr 18 – Gephi	
Apr 23 – Types of Visualizations IV – Geo	Apr 25 – Design Critique	
Apr 30 – Potpourri	May 2 – Drop-In Advising	
May 7 – Presentations I	May 9 – Presentations II	Final Project due May 5th at 11:59 p.m.