Mon 8/22: Lecture 1: Overview & Introduction
Wed 8/24: Lecture 2: Overview & Introduction
  o "Beyond opening up the black box: Investigating the role of algorithmic systems in Wikipedian organizational culture" (2017)
  o Some suggestions on papers you can consult if you need some help on how to read research papers:
    ▪ Michael Mitzenmacher's "How to read a research paper"
    ▪ Srinivasan Keshav's "How to Read a Paper"
    ▪ Jennifer Raff's "How to read and understand a scientific article"
Wed 8/31: Lecture 4: Other Examples of Collaborative Creation
  o "Distribution of labor, productivity and innovation in collaborative science" (2022)
  o "The dynamics of collective social behavior in a crowd controlled game" (2019)
  o "Latent structure in collaboration: the case of Reddit R/place" (2018)
Wed 9/7: Lecture 5: Project 1
  o Review the list of papers at the end of the Project 1 description document. Class will be focused on brainstorming about project ideas
Mon 9/12: Lecture 6: Open Source Software
  o "The Shifting Sands of Motivation: Revisiting What Drives Contributors in Open Source" (2021)
Wed 9/14: Lecture 7: Social Media “Wisdom of Crowds”
  o "Predicting the Future With Social Media” (2010)
  o "Widespread worry and the stock market" (2010)
  o "How (Not) To Predict Elections“ (2011)
Mon 9/19: Lecture 8: Mining Search Query Data
  o "Detecting influenza epidemics using search engine query data" (2009)
  o "The parable of Google Flu: traps in big data analysis" (2014)
Wed 9/21: Lecture 9: Other Examples of Mining Online User Behavior I
  o "The scaling laws of human travel" (2006)
  o "Mining complaints for traffic-jam estimation: A social sensor application" (2015)
  o "Using Social Media to Detect and Locate Wildfires" (2016)
Mon 9/26: Lecture 10: Other Examples of Mining Online User Behavior II
  o "Guess who’s not coming to dinner? Evaluating online restaurant reservations for disease surveillance" (2014)
  o “Leveraging Mobility Flows from Location Technology Platforms” (2020)
  o “Mammon and the Archer” by O. Henry. In *The Four Million*, by O. Henry, 1906. [Note: This is a story written in 1906 and you should expect it to be highly dated.]
  o "AI gets a brain: New technology allows software to tap real human intelligence" (2006)
  o "Cheap and fast—but is it good? evaluating non-expert annotations for natural language tasks" (2008)
  o "Get another label? improving data quality and data mining using multiple, noisy labelers" (2008)
  o “Heads in the Cloud” (2010)
Mon 10/3: Lecture 12: Project 1 Summaries, Project 2 Introduction
The first part of the class will be each group’s 1-minute overview of what they did for Project 1.

The second part of the class will be a discussion of Project 2 and brainstorming about possible project ideas.

- **Wed 10/5: Lecture 13: Microlabor, Pay, and Motivation**

- **Wed 10/12: Lecture 14: Cognitive Biases**
  - Near the top the article has a figure, the Cognitive Bias Codex - which, strangely, isn't actually discussed in the article. This was an image created a few years ago by John Manoogian III and Buster Benson to give structure to what we know about cognitive biases. (The original is at [https://www.teachthought.com/critical-thinking/cognitive-biases/](https://www.teachthought.com/critical-thinking/cognitive-biases/))
  - Please review the image, too - it probably makes the most sense to go to it after reading the Wikipedia article.
  - Drill down on at least two of the cognitive biases that are in the Wikipedia article and/or Codex to get a more grounded idea about cognitive biases.

- **Mon 10/17: Lecture 15: Pay Rates**
  - “Worker Demographics and Earnings on Amazon Mechanical Turk: An Exploratory Analysis” (2019)

- **Wed 10/19: Lecture 16: Worker Experience I**
  - “Being a Turker” (2014)
  - “Turk-Life in India” (2014)

- **Mon 10/24: Lecture 17: Worker Experience II**
  - “Web Workers, Unite! Addressing Challenges of Online Laborers” (2011)
  - “Turkopicon: Interrupting Worker Invisibility in Amazon Mechanical Turk” (2013)
  - “Taking a HIT: Designing around Rejection, Mistrust, Risk, and Workers’ Experiences in Amazon Mechanical Turk” (2016)

- **Wed 10/26: Lecture 18: Worker Experience III**
  - “The Communication Network Within the Crowd” (2016)
  - “Becoming the Super Turker: Increasing Wages via a Strategy from High Earning Workers” (2020)
  - “Goal-Setting Behavior of Workers on Crowdsourcing Platforms: An Exploratory Study on MTurk and Prolific” (2022)

- **Mon 10/31: Lecture 19: Data Labeling I**
  - “Iterative Quality Control Strategies for Expert Medical Image Labeling” (2021)
  - “Comparing Experts and Novices for AI Data Work: Insights on Allocating Human Intelligence to Design a Conversational Agent” (2022)

- **Wed 11/2: Lecture 20: Data Labeling II**
  - “Eliciting and Learning with Soft Labels from Every Annotator” (2022)
  - “Enhancing Image Classification Capabilities of Crowdsourcing-Based Methods through Expanded Input Elicitation” (2021)

- **Mon 11/7: Lecture 21: Data Labeling III**
  - “A Checklist to Combat Cognitive Biases in Crowdsourcing” (2021)
  - “More Data Can Lead Us Astray: Active Data Acquisition in the Presence of Label Bias” (2022)

- **Wed 11/9: Lecture 22: Privacy/Safety/Manipulation**
  - “Information Extraction and Manipulation Threats in Crowd-Powered Systems” (2014)
Mon 11/14: Lecture 23: Programming Human Computation
- "CrowdScape: Interactively Visualizing User Behavior and Output" (2012)
- "TaskLint: Automated Detection of Ambiguities in Task Instructions" (2022)

Mon 11/21: Lecture 25: Games with a Purpose
- "Anda's Game" by Cory Doctorow (Warning: This is a work of fiction that uses what some might view as coarse language.)
- "Designing Games with a Purpose" (2008)
- "Repurposing Citizen Science Games as Software Tools for Professional Scientists" (2018)

Mon 12/S: Lecture 28: Crowdfunding
- "Financing by and for the Masses: An Introduction to the Special Issue on Crowdfunding" (2016)
- Pick two of these:
  - "Speaking the same language: the power of words in crowdfunding success and failure" (2021)
  - "GoFundMe as a Medical Plan: Ecological Study of Crowdfunding Insulin" (2022)
  - "Crowdfunding a monthly income: an analysis of the membership platform Patreon" (2021)