

Group Assignment

## Case Study: ML for Cities

Each student will be asked to participate in **a group-wise contemporary case study presentation once** over the course of the semester.

The purpose of the Case Study Assignment is to allow you to stay current on the latest applications of data analytics and machine learning for cities, and to critically evaluate these applications in the context of urban informatics and the science of cities.

**Each week, three students will be asked to present** with respect to one of the following topics.

- Practical or tangible use cases of **machine learning** for cities (e.g. business applications).
- Summarize journal articles studying **machine learning** applications for urban problems (you can use articles introduced in lectures as well)

Your group presentation should **be approx. 5 minutes** and should include the following elements:

1. Brief introduction and scope of work
2. Problem addressed / need identified
3. **Data / technology / analytics / algorithms**
4. Limitations and scalability
5. Impact

You don't need to understand every detail (especially technical or algorithmic details of ML) but please try to think about why innovative methods are important with respect to urban planning perspectives.

Please prepare your slides by the start of class (Wednesday 11 am) and submit it through Canvas. All your case study memos will be archived as an online repository (TBD).

## Group Case Study Presentation Schedule

Week	Date	Student Names
01	01/19/2022	-
02	01/26/2022	Kirthi Balakrishnan, HaoChe Hung, Eve Passman
03	02/02/2022	Theresa Yang, Danielle Roberts, Sean Chew
04	02/09/2022	Jidong Cai, Katherin Sibel, Shen Xin
05	02/16/2022	Jiayi Zhao, Brady Meixell, Lizzie Lee
06	02/23/2022	Christian Budow, Boyang Dan, Danqing Ma
07	03/02/2022	Rae Lei, Moses Levich, Shuhua Li, Hilary Ho
08	03/09/2022	-
09	03/16/2022	-
10	03/23/2022	-
11	03/30/2022	Fang Wan, Yining Shen, Michelle Chen
12	04/06/2022	Kimberly Cheung, Dmitri Johnson, Zhaoxuan Duan
13	04/13/2022	Kit Nga Chou, Ningyuan Deng, Wei Xiao
14	04/20/2022	-
15	04/27/2022	-
16	05/04/2022	-