Assignment
Urban Innovation

Each student will submit **once** over the course of the semester.

The purpose of the Urban Innovation Assignment is a contemporary case study. This assignment allows you to stay current on the latest applications of urban data and data analytics for cities, and to critically evaluate these applications in the context of urban informatics, the science of cities, and eventually urban planning and design.

Each week, three or four students will be asked to submit the Urban Innovation assignment and you can choose one (or more) of the following topics.

- Case study of the definition of Urban Informatics
- Case study of urban data analytics for cities, urban planning, and/or design
- Case study of data visualization for cities, urban planning, and/or design
- Case study of big data management for cities, urban planning, and/or design
- Case study of coding or programming for cities, urban planning, and/or design
- Case study of ethical situations in urban informatics
- Case study of new urban technologies

Web resources, books, articles, and academic journals can be used for the case study and at least one reference should be cited. Your submission should **not exceed 1-page** including the following elements:

1. Brief introduction of a case study
2. Problem addressed / need identified
3. Data / technology / analytics approached used
4. Limitations, scalability, and/or generalizability
5. Impact of the application and urban planning implications

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

One student will be asked to give **a brief overview (5 minutes)** of your chosen urban innovation case at the beginning of class. Feel free to use slides or other materials (e.g. video or image) but it's NOT mandatory. One of the main purposes of this assignment is to familiarize yourself with writing a short summary and speaking in public with the time limit. Please be prepared to stick to a 5-minute presentation.

Please submit your write-up to Canvas by **Monday 11:59pm** to share other students before your short pitch in class.