Let our students transform your data into new insights & actionable intelligence

USI OVERVIEW
The Urban Science Intensive (USI) is a two-semester project-based capstone sequence that is the experiential learning focus of the CUSP M.S. program. The USI consists of team-based work on a real-world urban issue, combining problem identification and evaluation, data collection and analysis, data visualization and communication, and finally, solution formulation and testing. Student teams are challenged to utilize urban informatics within the real-world constraints of city operations and planning, while cognizant of political, social, and financial considerations and issues of data privacy, validity, and transparency. Student teams will be tasked with creating innovative and replicable solutions to pressing urban concerns. The result will consist of the integration of multiple skill sets from each student’s focus area of specialization in domain, discipline, and entrepreneurial - organizational leadership.

WHAT MAKES A GOOD USI PROJECT
CUSP seeks partners and faculty that are interested in sponsoring a team project for the upcoming academic year. The sponsor will identify a challenging urban problem and provide data for the teams to analyze. Below are guidelines that define an effective USI project:

- A coherent, well-defined urban problem that can be approached using data science and informatics methodologies (predictive modeling, machine learning, spatial analytics, etc.);
- Data that is available and in-hand prior to the start of project(s);
- A discrete, tangible deliverable and end product that can provide actionable insight with respect to the initial problem.

Visit our USI webpage at http://cusp.nyu.edu/usi for details on how to draft a USI project proposal, the process selection, timelines, and submission.

PROPOSAL SUBMISSION & TIMETABLE
Proposals are submitted online and accepted until November 21st 2014. USI project work begins in March 2015 and ends by July 2015.

ABOUT CUSP
The Center for Urban Science and Progress (CUSP) is a unique public-private research center that uses New York City as its laboratory and classroom to help cities around the world become more productive, livable, equitable, and resilient. CUSP observes, analyzes, and models cities to optimize outcomes, prototype new solutions, formalize new tools and processes, and develop new expertise/experts. These activities will make CUSP the world’s leading authority in the emerging field of “Urban Informatics”.

REQUEST INFORMATION
CUSP of New York City