

GUIDELINES FOR CAPSTONE PROJECTS
MASTERS IN LEARNING ANALYTICS
TEACHERS COLLEGE COLUMBIA UNIVERSITY

VERSION 1, OCTOBER 27, 2015

The capstone project for the Masters in Learning Analytics should:

- Make progress towards addressing a real problem in education
- Involve the use of analytics or data mining methods
- Involve an authentic data set collected from real learners
- Be conducted under the oversight of an advisor approved by the program coordinator
- Involve a scope of work roughly comparable to a Masters Thesis at TC
- Result in a deliverable. Acceptable deliverables include:
 - A writeup of the methods and results of analysis for a client
 - A webpage with an interactive report or set of visualizations
 - Other types of deliverables with approval of the advisor
- Code/scripts and a deidentified version of the project data must be submitted along with the deliverable

The capstone project for the Masters in Learning Analytics can:

- Involve data obtained from a TC faculty member, a company, a non-profit, a governmental agency, a school district, a school, or collected by the student themselves
- Involve any type of learning, including K-12, undergraduate, postgraduate, professional, workplace, MOOC, or informal learning
- Involve any method that is legitimately analytics or data mining (with approval from the advisor)
- Include work done as part of a course, including HUDK5053 or ORLA6641, so long as it otherwise meets the requirements of the capstone project