

Integrating Real World Applications in the Classroom: Experiences from the Master's Capstone Course

Victoria Stodden
Visiting Faculty
UC Berkeley Department of Statistics

Berkeley Statistics Annual Research Symposium (BSTARS)
March 10, 2014

Course Goals

- collaborative project-based course
- real data, analysis student driven
- possible integration with Industry Alliance data/topics
- guest lecture series, including Alliance members

Course Project

Semester-long project integrated with:

- student-driven research questions (whose mind are you going to change about what?),
- coherent workflow process for reproducible and collaborative research,
- mid-semester and final presentations of research findings,
- peer review and effective project communication,
- final research paper.

Industry Integration

Informal survey responses:

- “I would like to hear more about your working experience in industry and how to bridge the gap from education to working in industry”
- “Interested in having guest lecturers”