

# COURSERA AND THE FUTURE OF MOOCS

## HOW DO WE MEASURE THE SUCCESS OF MOOCS?

## OUR MISSION

With the rise of open, online, publicly available education, educators have begun to question the legitimacy and practicality of this new form of learning. Our Bass Connections team in the Education and Human Development theme has developed and launched two Coursera courses in introductory chemistry and statistics, developing modules, investigating alternative means of conveying information, and probing the future of online education through mixed-methods research.

# COURSERA

## COURSERA COURSES

All team members participated in two Coursera courses as Community TAs as well as social media admins:

## Data Analysis and Statistical Inference:

This 10 week course introduces students to the discipline of statistics as a science of understanding and analyzing data. Students learn how to effectively make use of data in the face of uncertainty: how to collect data, how to analyze data, and how to use data to make inferences and conclusions about real world phenomena.

## Introduction to Chemistry:

This 9 week course is an introductory course for students with limited background in chemistry; chemical problem solving will be emphasized with the goal of preparing students for further study in chemistry.



## SUBPROJECTS

## TEAM SUBPROJECTS

## Social anxiety in MOOCs

*Maria Elena Carvajal*

Design and distribution of a survey on social anxiety. The goal is to evaluate whether the population of Coursera students is/isn't more susceptible to social anxiety than the general student population, given that Coursera is an anonymous learning tool where students only interact on the discussion forums.

## Computational labs for Data Analysis and Statistical Inference

Anthony Weishampel

Conversion of lab assignments from on-campus to online platform, and evaluation of student experience and learning on these labs via surveys.

## Understanding the MOOC Student Experience through Qualitative Research Interviews

Clara Lee &amp; Heather Shapiro

Develop a deeper understanding of who our MOOC students are, why they are taking our course, and what factors impact their success, through audio interviews, which will then be coded and analyzed qualitatively.

## Completion rates in MOOCs

*Will Trautman*

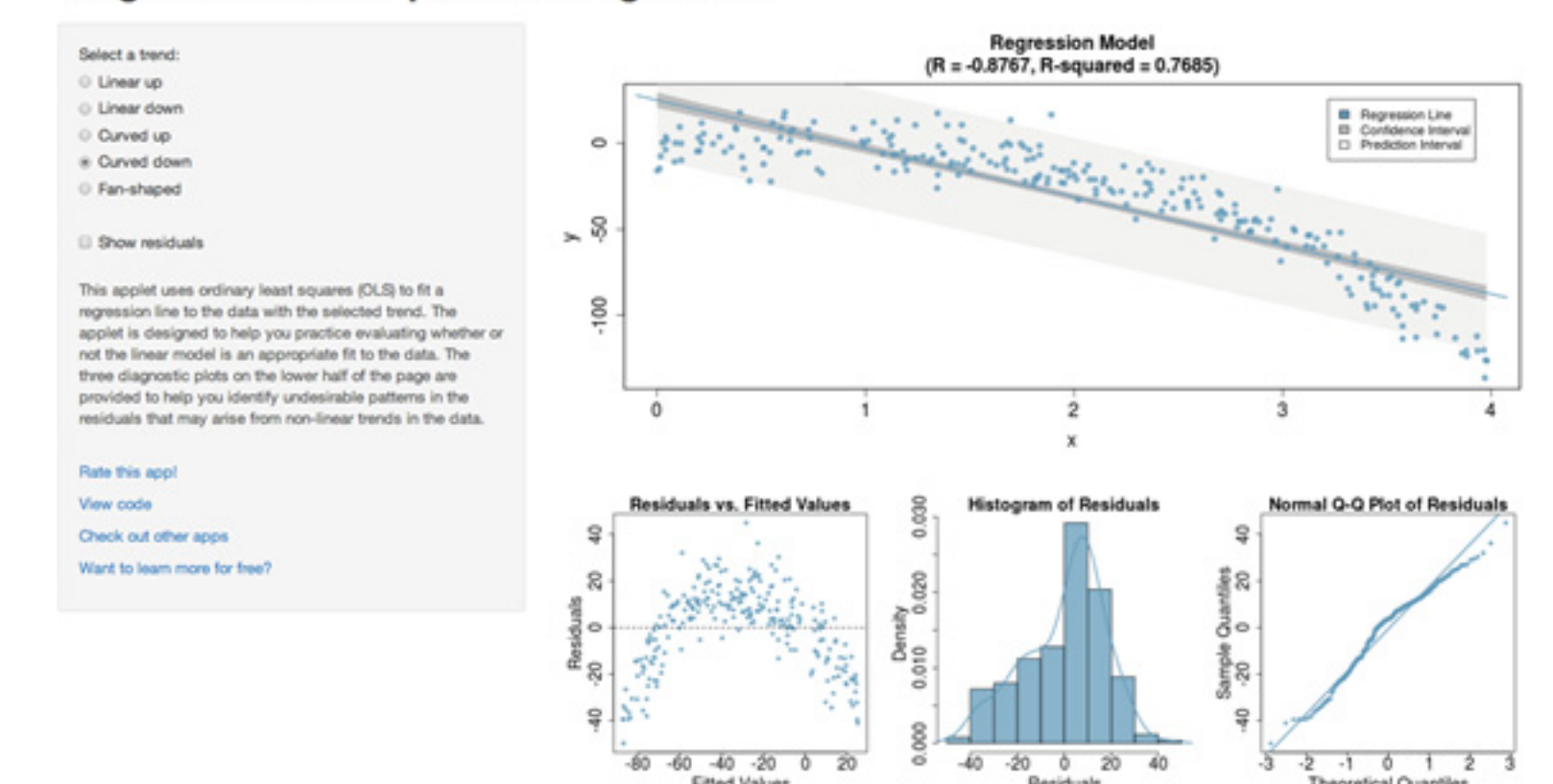
Uncover the background of MOOC students and what they want out of the courses they take in order to re-define completion as meeting one's own learning goals.

## Interactive web apps for Data Analysis and Statistical Inference

*Brittany Cohen*

A series of interactive statistical applets for the statistics course. These applets are intended to make tricky statistical concepts more accessible to the average statistics student.

### Diagnostics for simple linear regression

Duke | 

Scan the QR code for  
more info on our projects:

