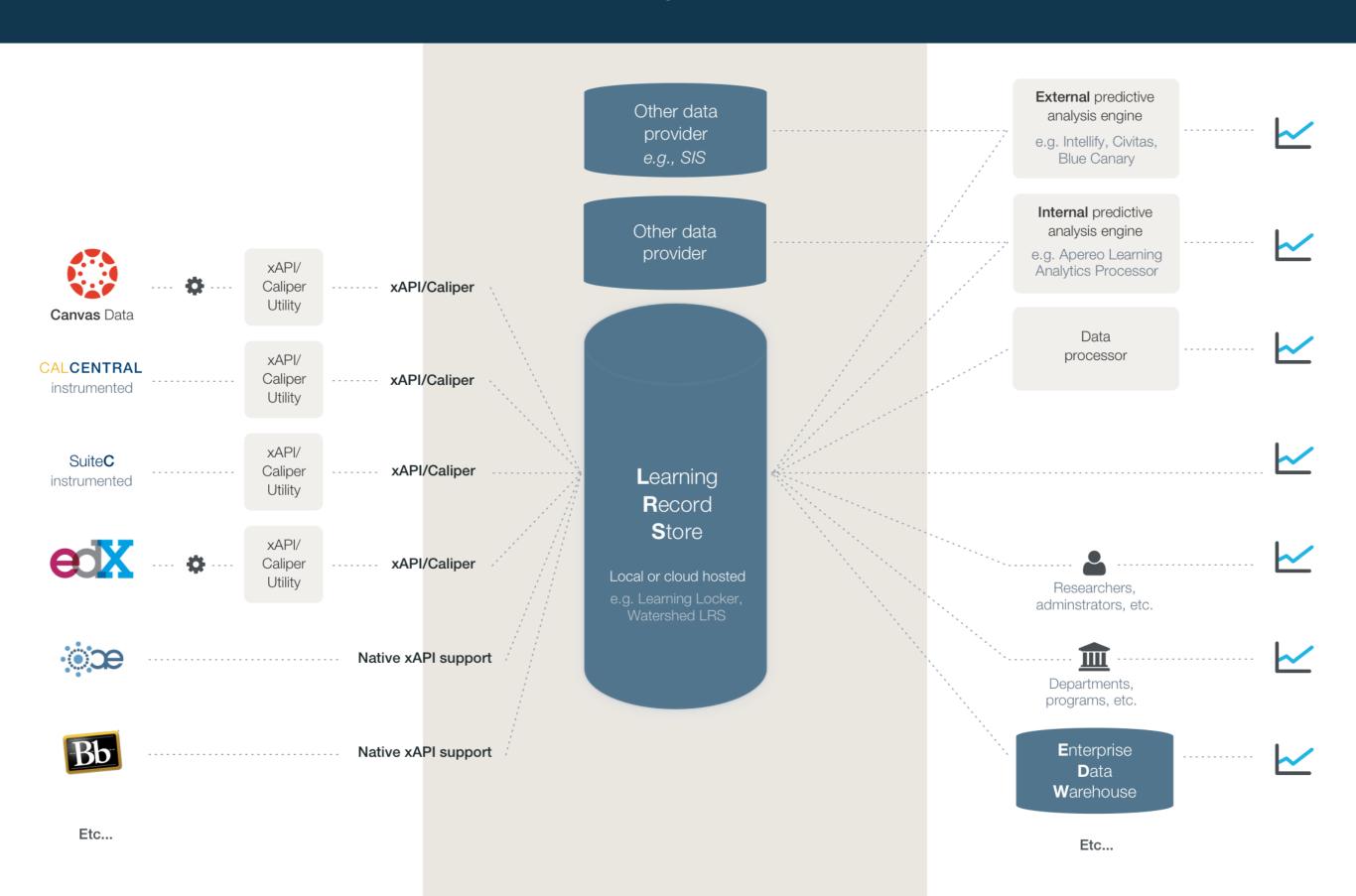
Learning Analytics: a Pragmatic Pilot







Ecosystem



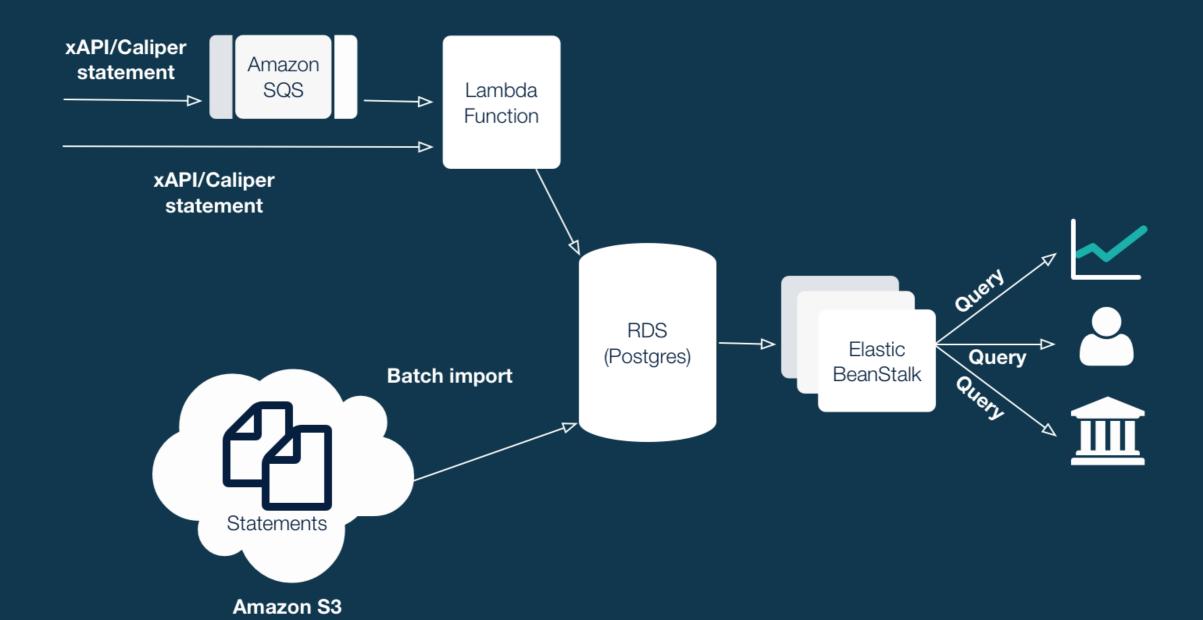




- Utility to help transform learning activities into xAPI and Caliper
- Instrumenting other applications
- https://github.com/ets-berkeley-edu/xapicaliper

Instructure Canvas

- Scripts to convert Canvas Data to standards compliant Learning Activities
- 1+ billion Learning Activities for 3 years of data
- https://github.com/ets-berkeley-edu/canvas-dataprocessor





Privacy and Transparency

- Ability for students to see their own data
- Ability for students to see what their data is being used for and by whom
- Ability for students to opt out of some of the uses of their data
- Ability to distribute data in anonymized format for research purposes

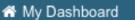












My Academics

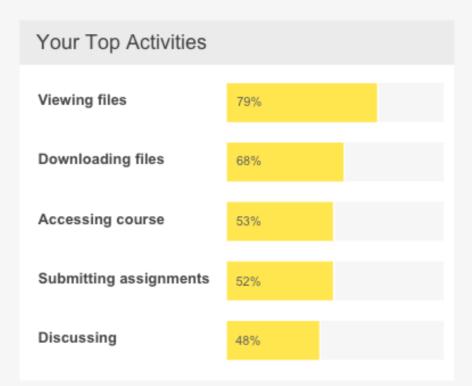
\$ My Finances

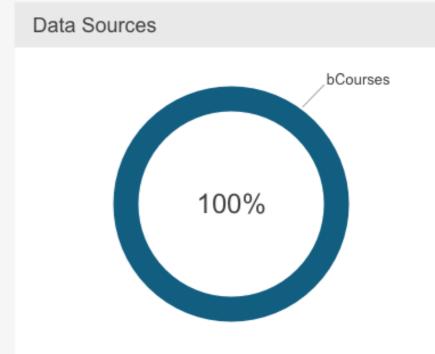
My Campus

Profile » My Data

About

The University captures data about your usage on various systems. Continuing usage aims to help you make informed decisions around your academic life by feeding this data back to you in helpful ways.





Activity Stream

09:25pm	Dec 9, 2015	You viewed the file 'Kitties' on bCourses.
09:22pm	Dec 9, 2015	You downloaded the file 'dogs' in the course 'Cute Animals' on bCourses.
09:21pm	Dec 9, 2015	You accessed the course 'Cute Animals' on bCourses.
09:22pm	Dec 9, 2015	You downloaded the file 'dogs' in the course 'Cute Animals' on bCourses.
09:22pm	Dec 9, 2015	You downloaded the file 'cats' in the course 'Cute Animals' on bCourses.
09:21pm	Dec 9, 2015	You accessed the course 'Silly Animals' on bCourses.
09:20pm	Dec 9, 2015	You downloaded the file 'chickens' in the course 'Cute Animals' on bCourses.
09:19pm	Dec 9, 2015	You downloaded the file 'dinosaurs' in the course 'Silly

Use Of Your Data

PROJECTS

Professor Zach Pardos Data Research project

This Research project aims to 'goal: Lorum ipsum'. Data that will be extracted is 'lorum ipsum'. Your data will be used for 'lorum ipsum'. Your name won't be identified.



SHARE YOUR DATA

Athletic Study Centre and Educational Technology Services project

This Research project aims to 'goal: Lorum ipsum'. Data that will be extracted is 'lorum ipsum'. Your data will be used for 'lorum ipsum'. Your name won't be identified.



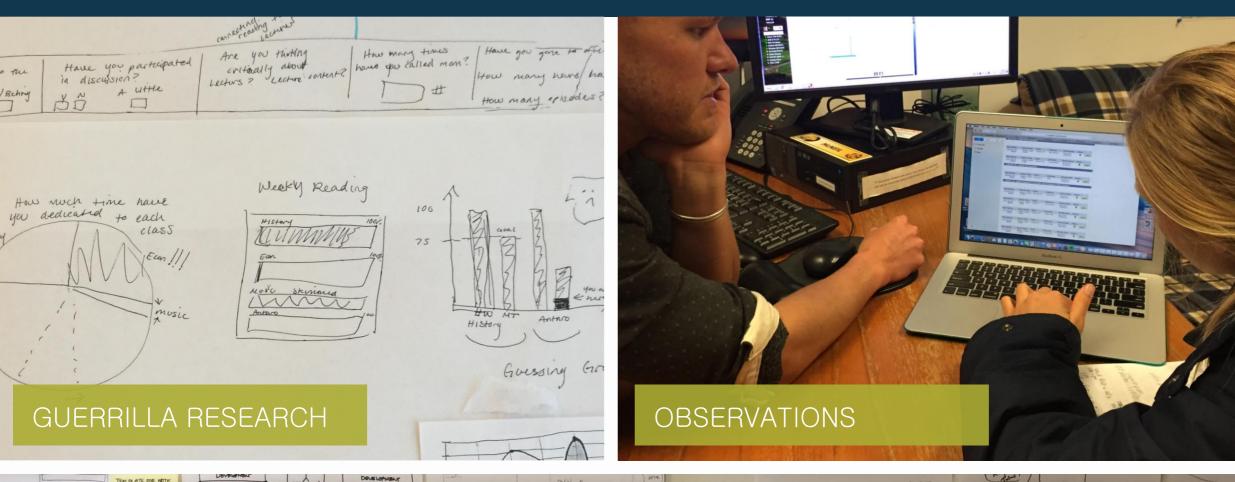
John Scott and Glynda Hull's Engagement Index

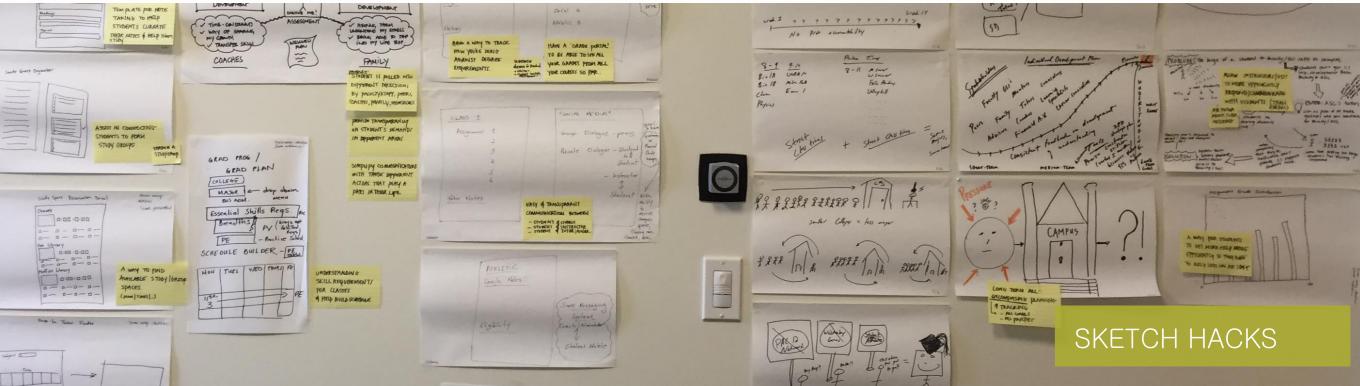
This Research project aims to 'goal: Lorum ipsum'. Data that will be extracted is 'lorum ipsum'. Your data will be used for 'lorum ipsum'. Your name won't be identified.





UX research





UX research outputs



My dad died last summer and I'm having a hard time focusing on my work. I'm having trouble managing everything and could really use some personal help, although I'm not entirely sure

My goals

I've always had this dream to become a great architect, but it's really difficult to keep track of everything now. After all, family comes first. I'll already be happy if I pass without too much delay and stress

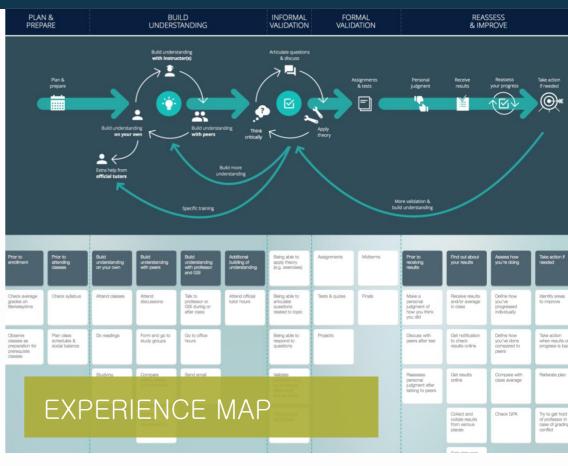
What's difficult or annoys me

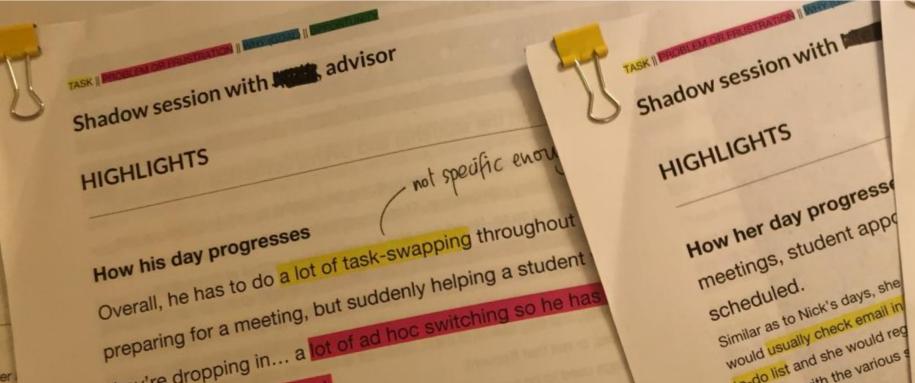
- · It's hard to keep track of what's happening when and what's most important. I'm scared of missing out on
- There's so much going on, and I probably

PERSONAS

· I'm sometimes missing classes, even though I don't want to, but it's just impossible to combine it all. This also means I don't know a lot of my classmates. I don't have time to talk

FINDING HELP & SUPPORT Easy'? (PEER + EXPERT) + STUDY GROUPS COMMS W TUTO COMPARE MYSELF 水水水 Medium AGAIN ST DEERS & MYSELF GRADE PORTAL + DETAILED GRADES, NOT but wany difficult ependential-eg, share ALL: ENCOMPASSING SCHEDYLING CYMBAZ - MIDE Medium COURSES & SYLLABI FOCUS AREAS





Their role

They mainly help students with 'navigating the academic pa schedules, planning their academic career and general way responsible for overseeing different sports. Nick for examp hockey, Men's rugby, Men's and women's soccer, men's a much about the subject-specific questions, which is what focus more on.

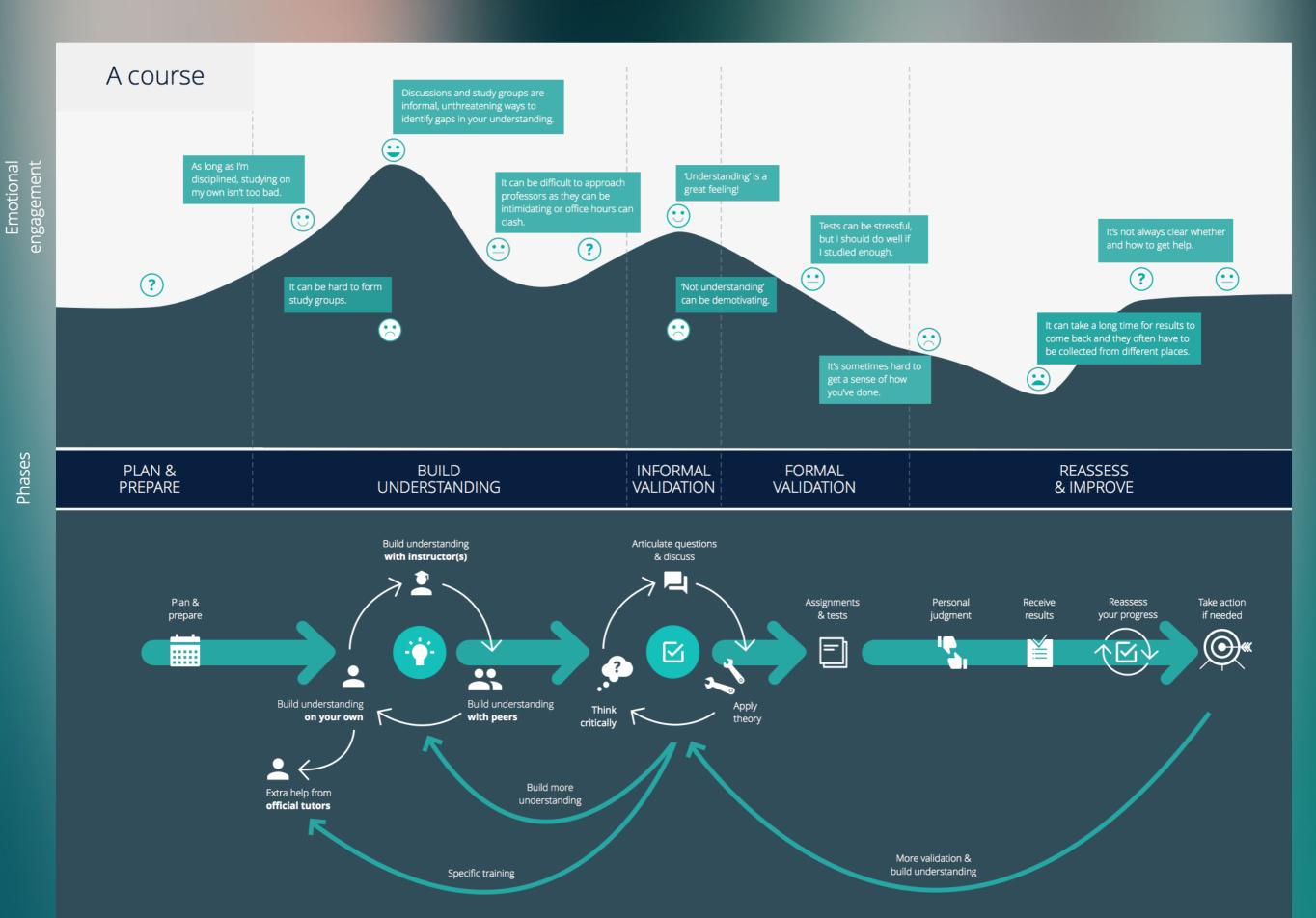
Some of the advisors' responsibilities are:

- Helping them find out what studies would suit the
- Helping them find out what majors they could take
- Helping them find out what subjects they could to particular in combination with their sport schedu Toquent check ins and updates with the studer

FINDINGS & KEY INSIGHTS

There are a couple of factors that determine W

The Experience of Understanding



Advisor dashboard





Dashboard



Courses







Men's Rugby

Men's Soccer

Women's Soccer

Men's Tennis

Women's Tennis

Women's Basketball

Men's Cross Country

Women's Cross Country

Men's Track and Field

Women's Track and Field

Men's Crew

Women's Crew

Men's Basketball

Men's Football

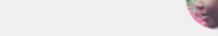
Men's Golf

Women's Golf

Student engagement vs grades performance (compared to their cohorts)

Engagement

Above avg



Avg



































hockey

Men's Rugby

Men's Soccer

Men's Tennis

Women's

Basketball

Men's Cross

Women's Tennis

Women's Soccer

Projects ASC Advising > Women's basketball Home

Women's Field

Women's basketball

Student engagement vs grades performance (compared to their cohorts)



Country Women's Cross Country Men's Track and Field

Women's Track and Field

Men's Crew

Women's Crew

Men's Basketball

Men's Football

Men's Golf

Women's Gymnastics

Women's Volleyball

Women's Swimming and

Diving

Men's Swimming and Diving

Men's Water Polo

Women's Beach

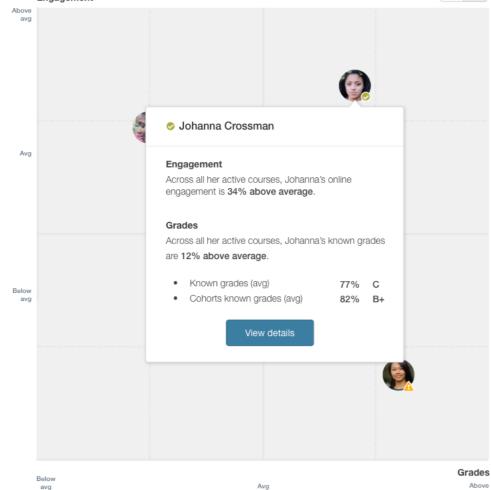
Volleyball

People Settings

Women's Golf

Men's Gymnastics

Women's Lacrosse Men's Baseball Women's Softball



* Admin











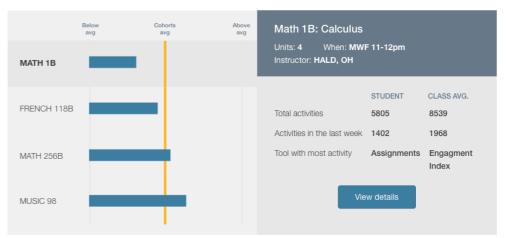
ASC Advising > Women's basketball > Johanna Crossman

Johanna Crossman

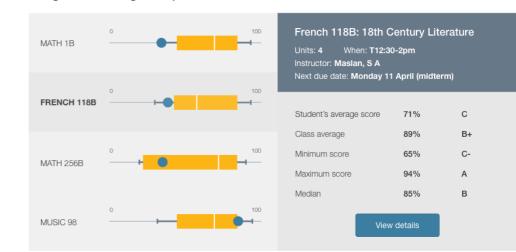
Summer 2016 ▼



Engagement per course

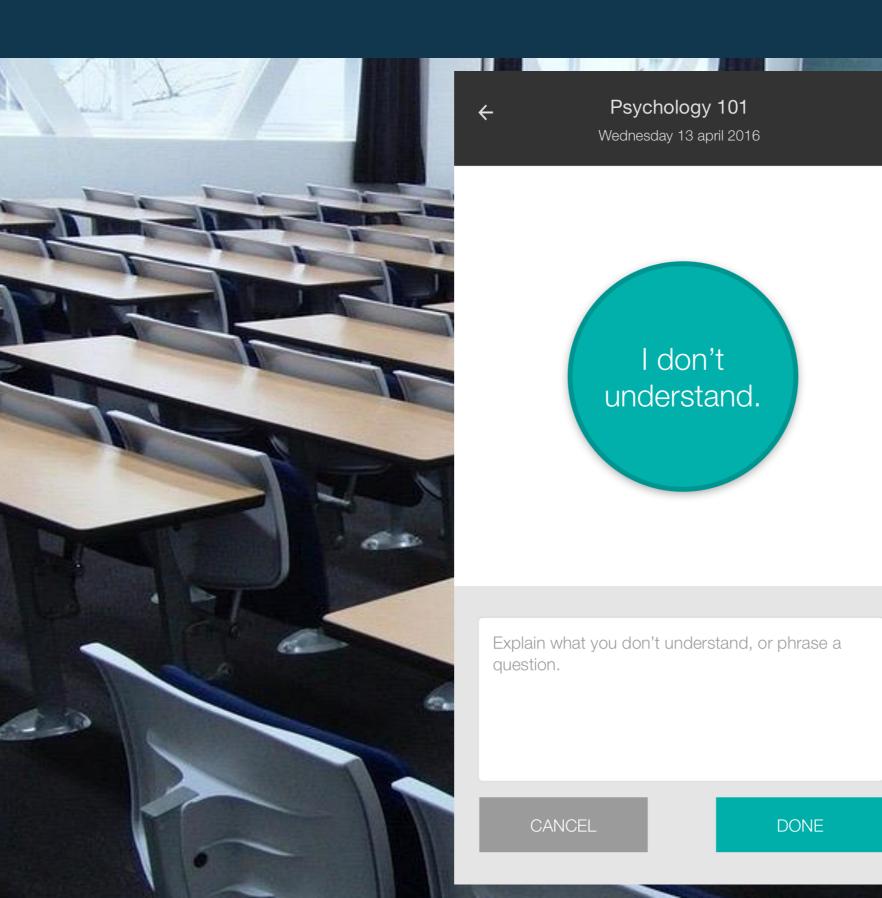


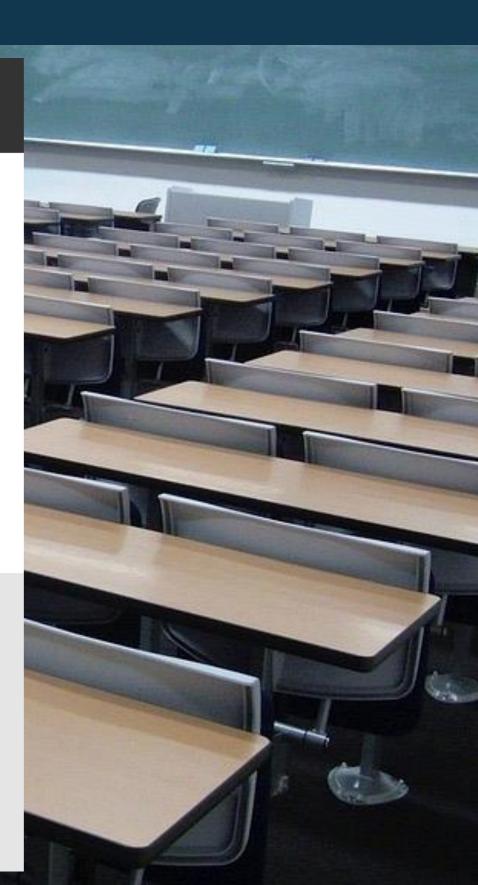
Assignments and grades per course





SOS app (Real time interaction during class + help & support)





SOS app

← My courses

Psychology 101

Research & data analysis in Psychology

Week 1

Week 2

Week 3

Week 4

Week 5

Week 6

Week 7

Week 8

Week 9

Week 10

Week 11

Week 12

Week 13

Psychology 101: Research & data analysis in Psychology

Wednesdays 9.00AM-11.00AM

Week 9 unclarities: The sampling distribution of the mean



SOS app

Your courses

Psychology 101

Psychology 105

Calculus 39P

Education 137

Psychology 101: Research & data analysis in Psychology

Wednesdays 9.00AM-11.00AM



Week 9 unclarities: The sampling distribution of the mean

