NEEDFINDING

Minmin Hou, Santos Hernandez, Andrés Camperi

MODERN EDUCATION, IN THE CLASSROOM AND OUTSIDE OF IT

Minmin's methodology

	Who	Why	How they were recruited	Where they were interviewed
Tom	Professor	Teach SCPD class	Email	on campus
Shannon, Nate, John	Technical consultant Air force Field eng. manager	Former SCPD student	Email	via phone

- Tell me about things that you went like "Oh , I wish I could change this!"

- Tell me a moment when you felt frustrated.
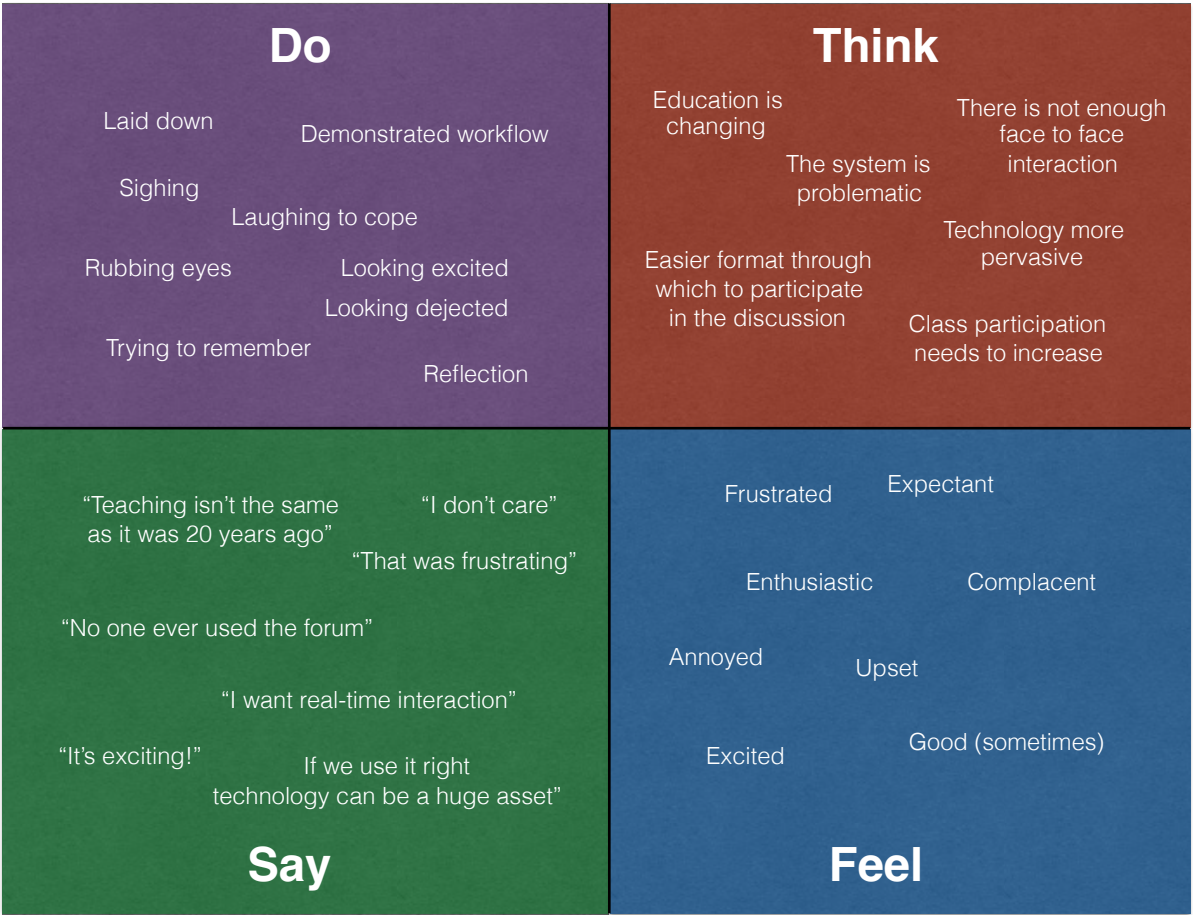
Santos' methodology

- New style "inverse classroom" user

- My roommate - open communication

- Current student

- "How do you feel about your Stanford education?"

- "How do you feel about your relationship with education and tech?"

Andrés' methodology

- Dean of the College of Arts and Sciences at the University of San Francisco

- PhD in quantum theoretical physics from Boston University

- My dad

- Discussed his experience as a student and professor before moving on to administration of a University

Do

Laid down
Demonstrated workflow
Sighing
Laughing to cope
Rubbing eyes
Looking excited
Looking dejected
Trying to remember
Reflection

Think

Education is changing
There is not enough face to face interaction
The system is problematic
Technology more pervasive
Easier format through which to participate in the discussion
Class participation needs to increase

Say

"Teaching isn't the same as it was 20 years ago"
"I don't care"
"That was frustrating"
"No one ever used the forum"
"I want real-time interaction"
"It's exciting!"
If we use it right technology can be a huge asset"

Feel

Frustrated
Expectant
Enthusiastic
Complacent
Annoyed
Upset
Excited
Good (sometimes)

Minmin's interview results

- "I never went into the forum to read the posts.I type slowly so it'd take me 3x time to interact with SCPD students thru online forum than doing the 90 mins class." - Tom

- "It's frustrating that I could not participate in the discussions. I was just watching the video…. There were times when I have comments I would have made but I just could not make them." - Shannon

- "Nobody ever used the forum." - Shannon, Nate, John

- "I've been in classes where online forums were active, but it's only an OK substitute. The downside is that it requires a lot of additional reading - I have to go thru a lot of posts to find what's interesting and important" - John

Santos' interview results

- "To me, there is no reason to sit down in the same room as a lecturer, because now there are so many new ways to get a question answered"

- "I'm up for tenure soon, I have to focus on my research and I won't be able to give you guys much attention"

- Class time better spent interacting, discussing

- Overall - Didn't like educational experience here

Andrés' interview results

- "Teaching isn't the same as it was 20 years ago when I started"

- "They're spending so much time on their smartphones anyways I want to put that to good use"

- Technology is advancing at a rapid pace, and we need to capitalize on that to increase classroom participation

- Interactivity is key: we need to foster increased interaction between the students and professor

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Points of View

- It would be a game changer if…

  - we could help students participate more in class

  - professors interacted more with students in person and through the internet