
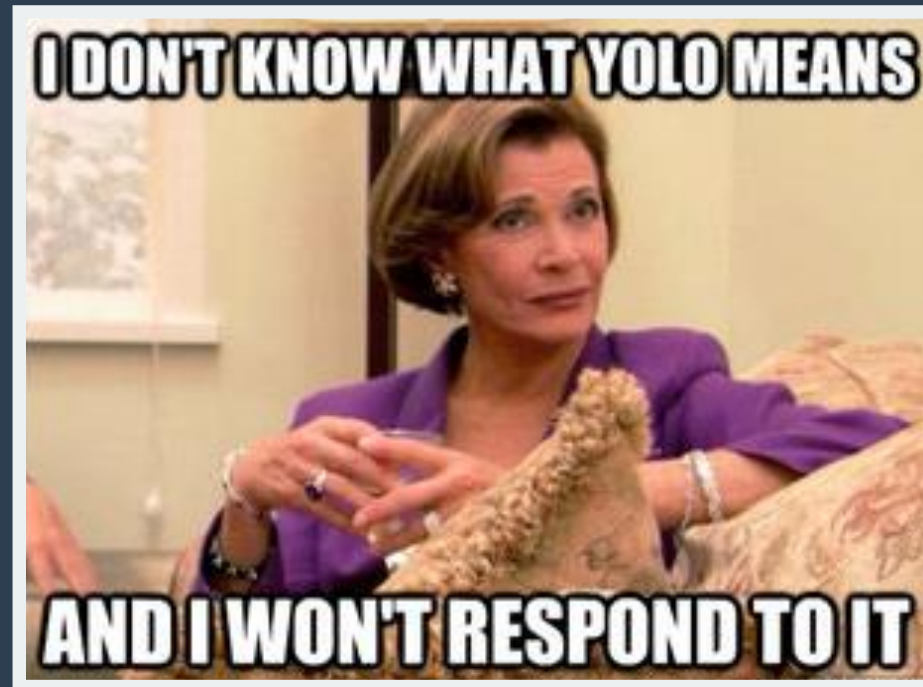


PREDICTING PRIVILEGE WITH PYTHON

Do millennials make the grade?

HEATHER SHAPIRO
TECHNICAL EVANGELIST, MICROSOFT
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TIME

THE ME ME ME GENERATION

Millennials are lazy, entitled narcissists
who still live with their parents

Why they'll save us all

BY JOEL STEIN



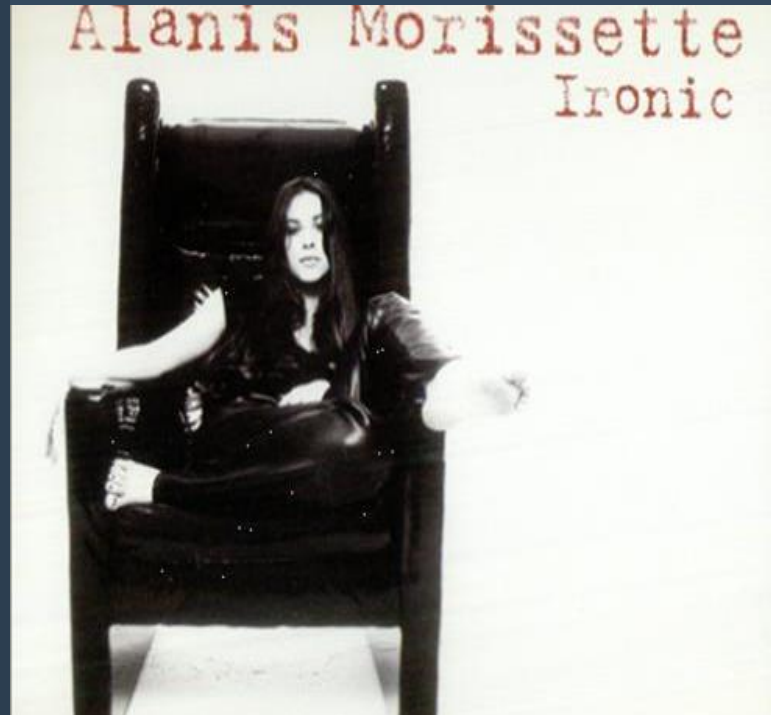
MILLENIALS

Born between the early 1980s to the early 2000s.

80s



90s



00s



MASSIVE OPEN ONLINE COURSES (MOOCs)



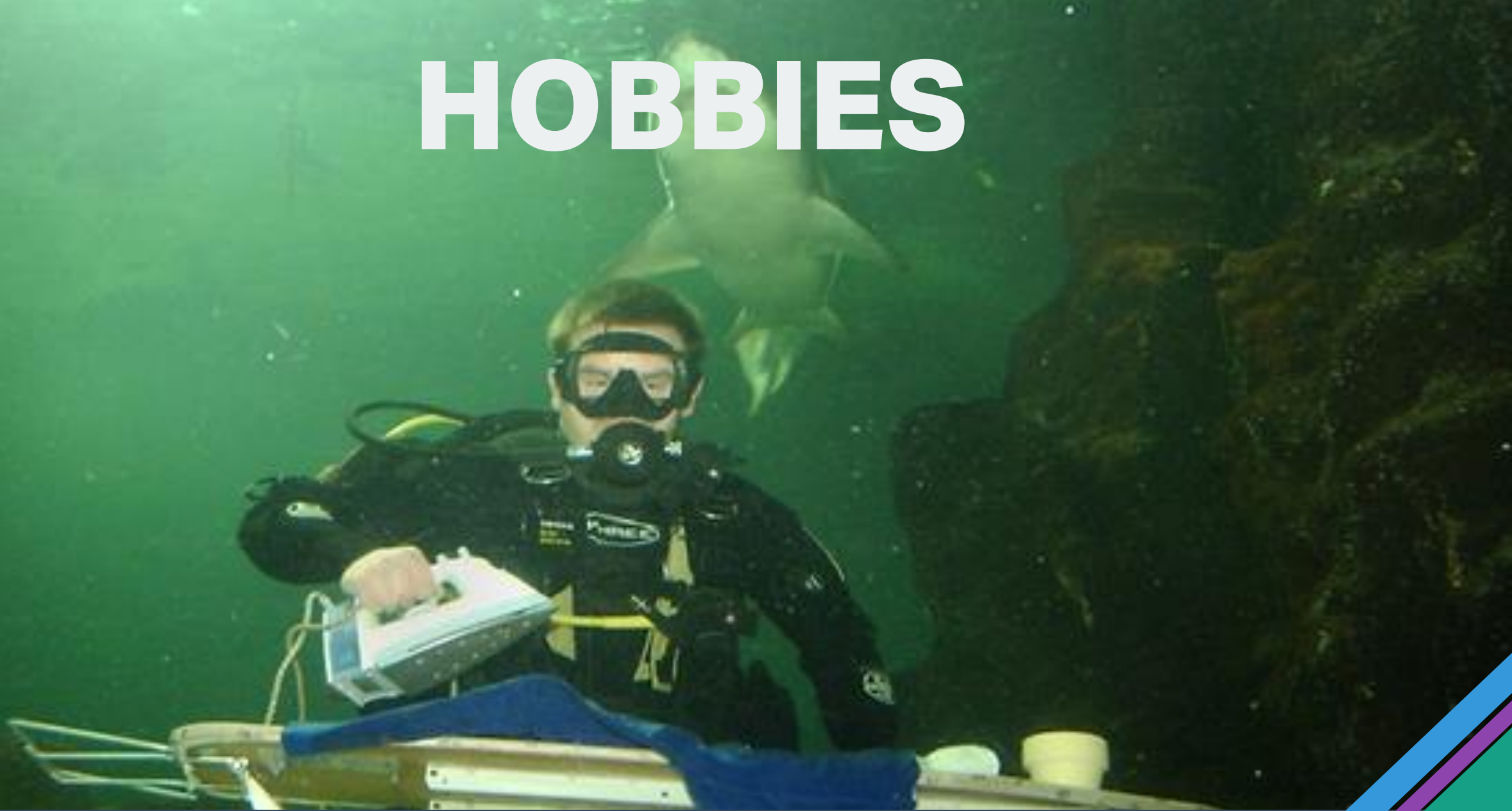
MOTIVATION FOR STUDENTS

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CERTIFICATES



HOBBIES



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HOBBIES



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HOBBIES

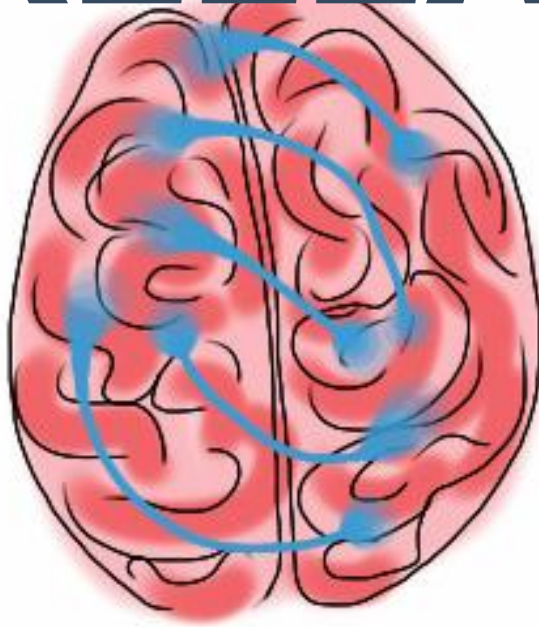


JOBS

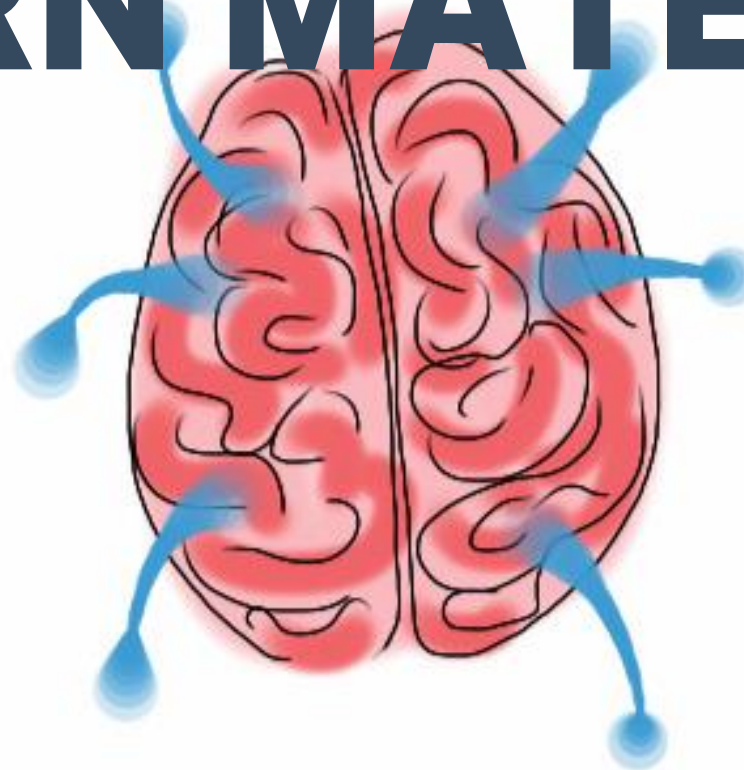
ODD JOBS:

Wanted: Rare, unusual forms of employment and/or self directed unique applications of one's time and energy. Must be out of the box and able to make an impression.

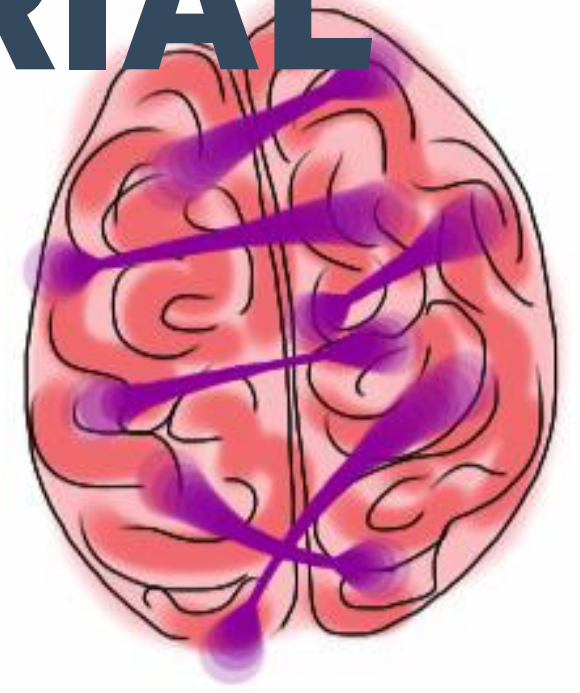
RELEARN MATERIAL



Learn



Unlearn



Relearn

BARRIERS FOR STUDENTS

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BAD EXPERIENCE

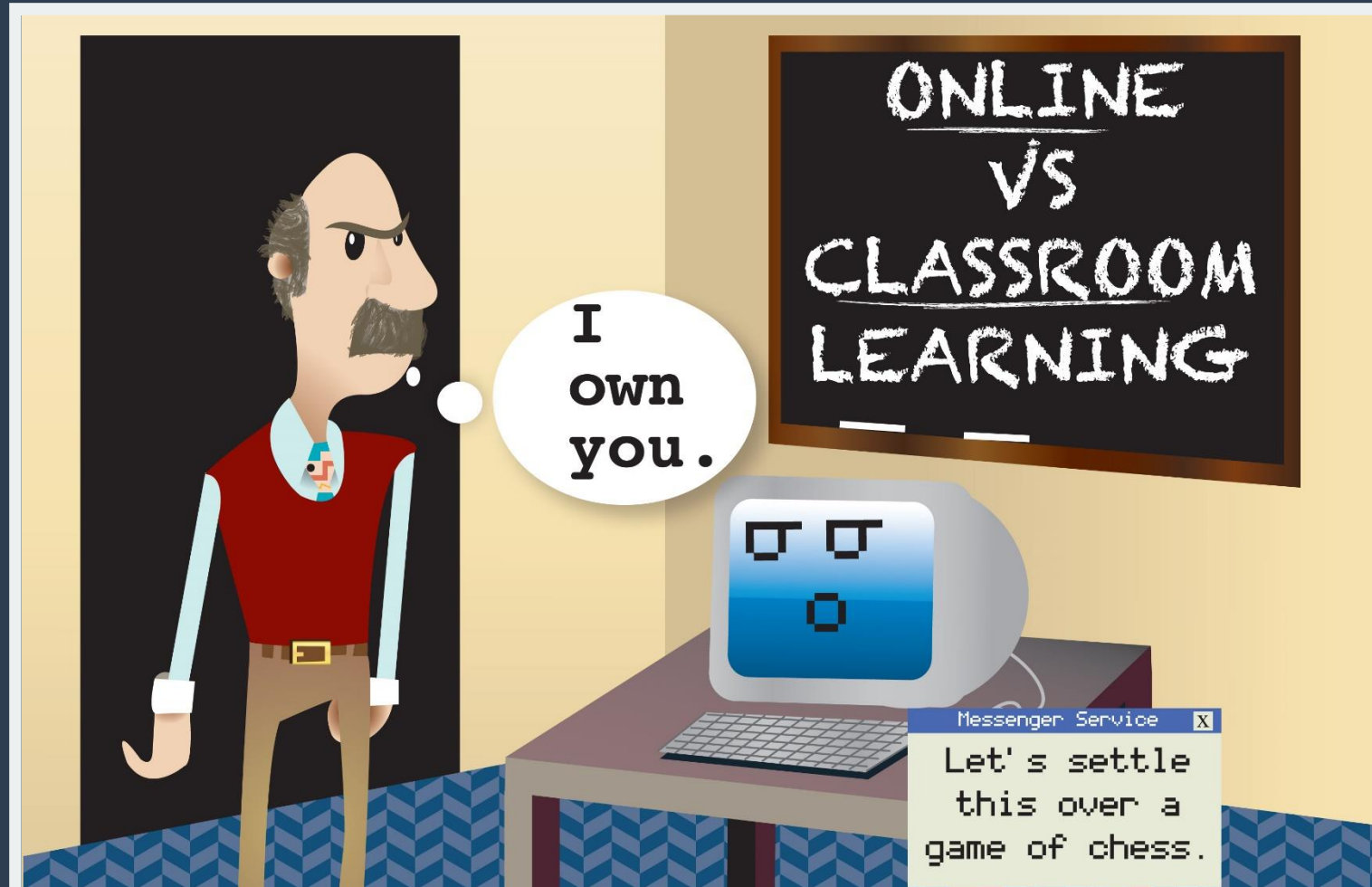




CERTIFICATES



ONLINE FORMAT

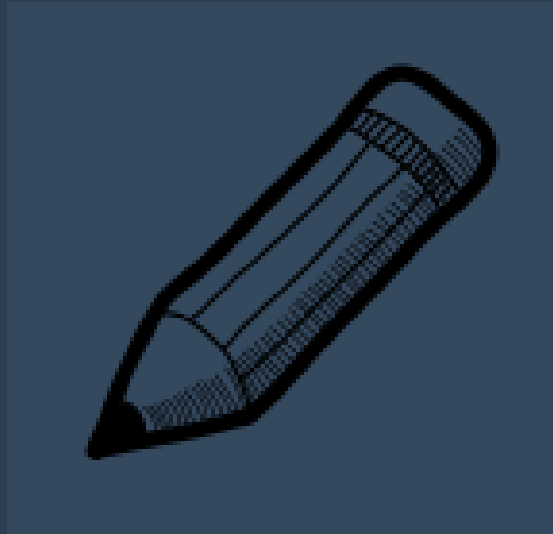


CASE STUDY

Duke University



WHO



36 students from two
Coursera courses

WHAT



Interviews conducted
over Skype

HOW



Interviews transcribed
using [castingwords.com](https://www.castingwords.com)

TOOLS USED

- Pandas
- Matplotlib
- Vader Sentiment Analysis
- Word Clouds!



PANDAS



VADER SENTIMENT ANALYSIS

**Is Star Wars the one about the
little wizard boy?**





[illegible]

QUALITATIVE ANALYSIS

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Berta - Document Browser

Browser Document Edit View Format Tools

Berta

Normal Arial

Toolbar
Speed Coding Bar
Coding Stripes
Select Coding Stripes...

Black B I U

would do that.
And then I don't know, I just always was very bossy, and I always knew that I wanted to be somehow involved in something theatrical or dramatic. Now film was different because it was a huge industry, such a monolithic industry and there was all this equipment, that I did not think that I could do that as a child, but then I went to a college that had a work study program and so even though I would get my work stuff, was in theater... just by luck and by chance I got a job in a film company, to do splicing, it's called the idiot splicing, I said "I'm not an idiot but I'll do that" and that was the beginning of this feeling that there was a place for me in this huge, sort of what seemed to be male territory, that I could sort of fit in like that.
R: When you say, "by accident you found a job" ...
B: Because I was working, I was still in college don't forget, but because there was a work program, I went to San Francisco to get "work credit," you know you have to work so many weeks, for so many months. And I got a job in, at a theater company and... in order to earn a living I looked through jobs as a secretary or something, I was what 18 or 19, and... they said "we don't have any secretary work but we need somebody to do idiot splicing and I said "I don't know what it is but I can do it." I mean, "What is it?" And then he took me to the back and there
was an editing table with a splicer and rewind and they made little films there. San Francisco was a very independent company that made industrials and they made... the man was very inventive and because he lived in San Francisco he was somewhat of a beatnik a bohemian and he made little experimental films and so it was a very good "by chance" introduction to this

early artist
early directing
schooling
first job in the industry, it's a male world,
schooling
first job in the industry

Berta - Coder

Show: All Nodes, Explorer Style

Scope of coding: Document

Recently Used

Free (3)

first question
Verbal Consent
who's the researcher

Trees (112)

career experience

early artist
early directing
first job in the industry
learning process
entry-level jobs
first film
moving to LA
first directing job
worst experience
teaching
pitching

Affirmative Action
networking
family background
schooling

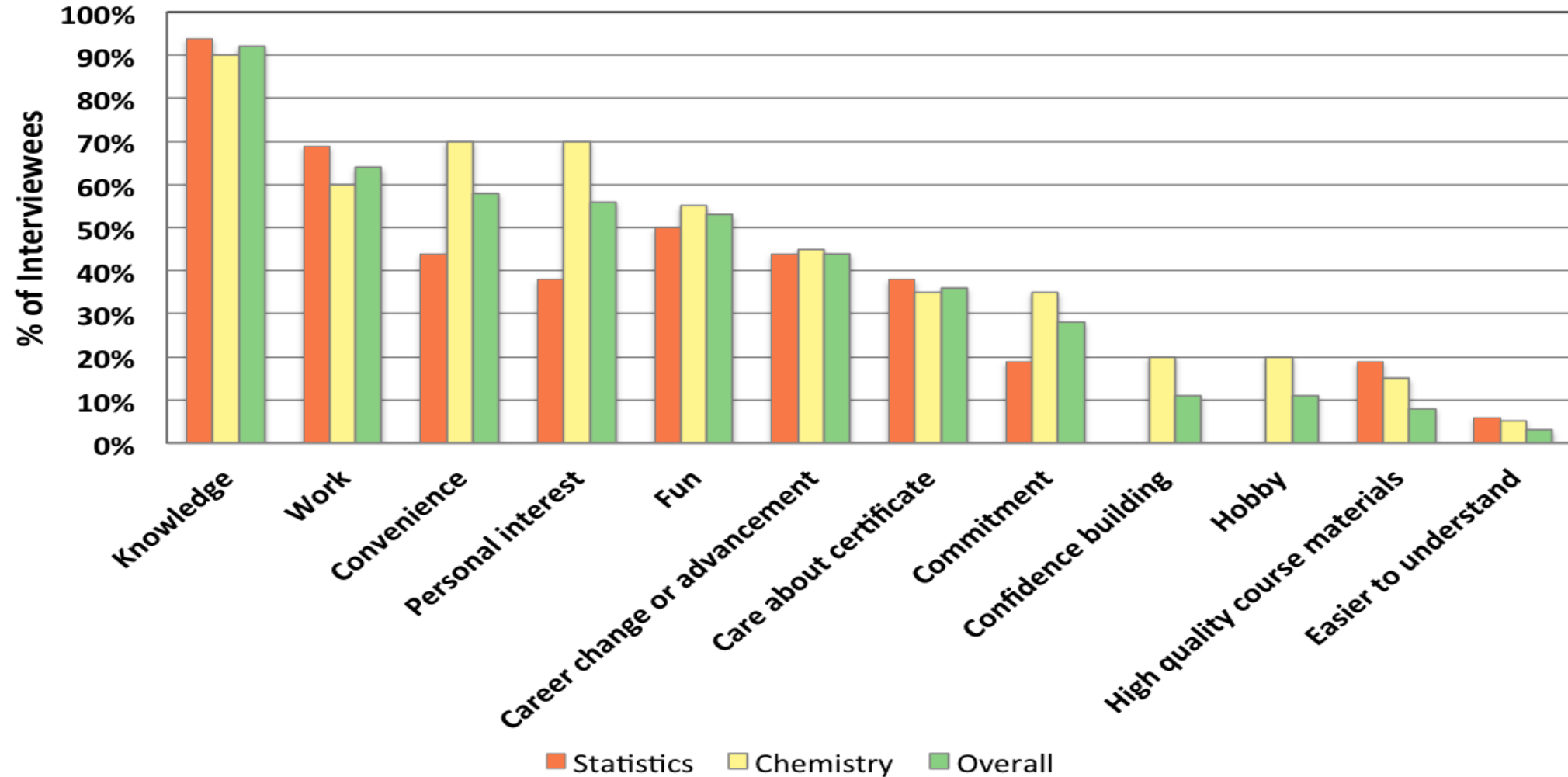
Find
Code
UnCode

Working Set
Add Node(s)
Remove All

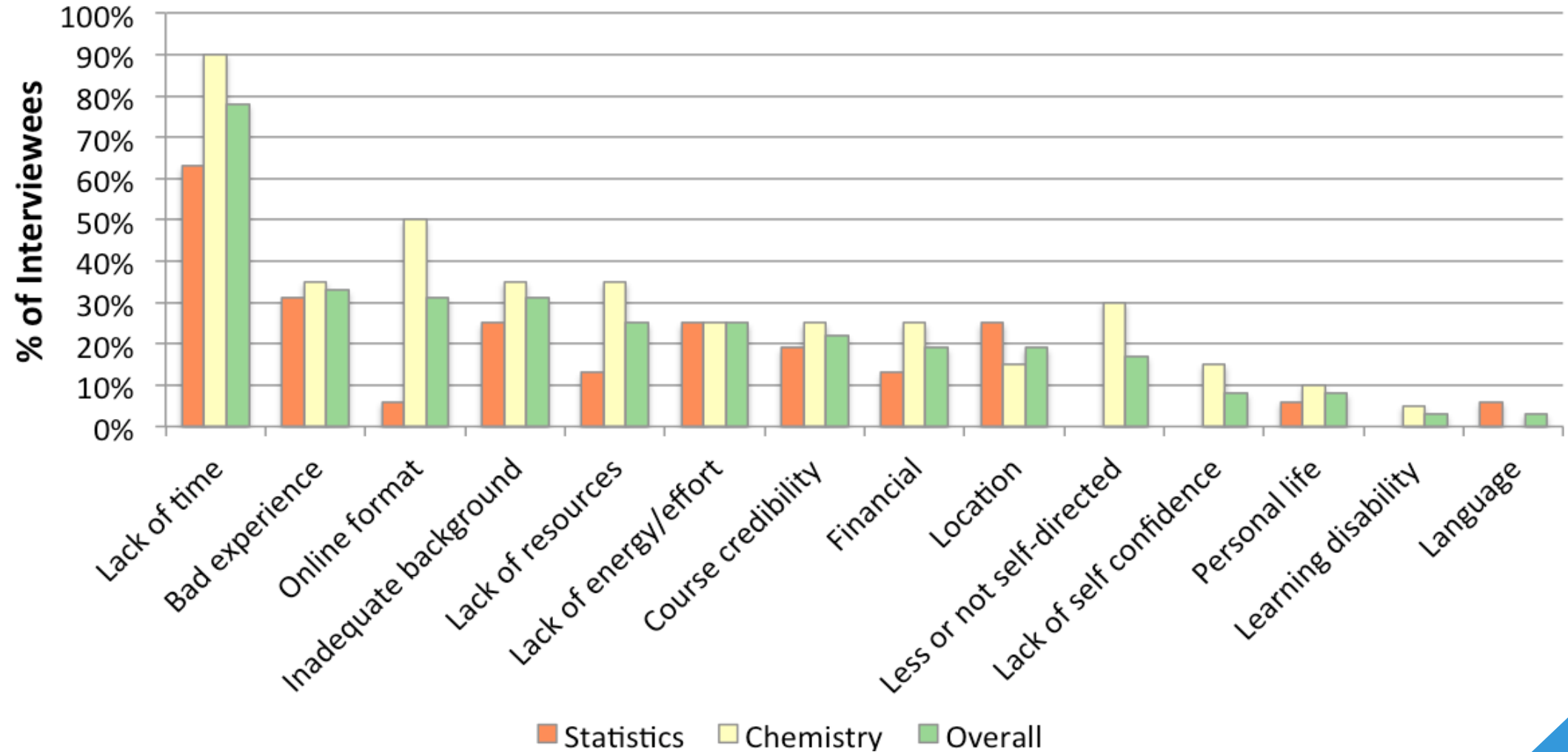
All Nodes Displayed

In-Vivo /Working Nodes!/Free Nodes/badgering Code UnCode Coder

Motivations by Course, Overall



Barriers by Course, Overall



RESOURCES

- My blog 😊 www.Microheather.com
- Data Sets: data.gov
- Data Science VM in Azure - <http://aka.ms/datasciencevm>
- Azure Machine Learning
- Channel9 and MVA

CONTACT ME

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- Twitter [@microheather](https://twitter.com/microheather)

THANKS!

