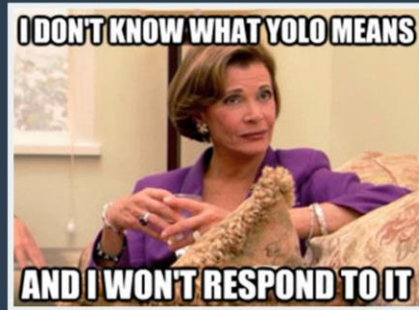


# PREDICTING PRIVILEGE WITH PYTHON

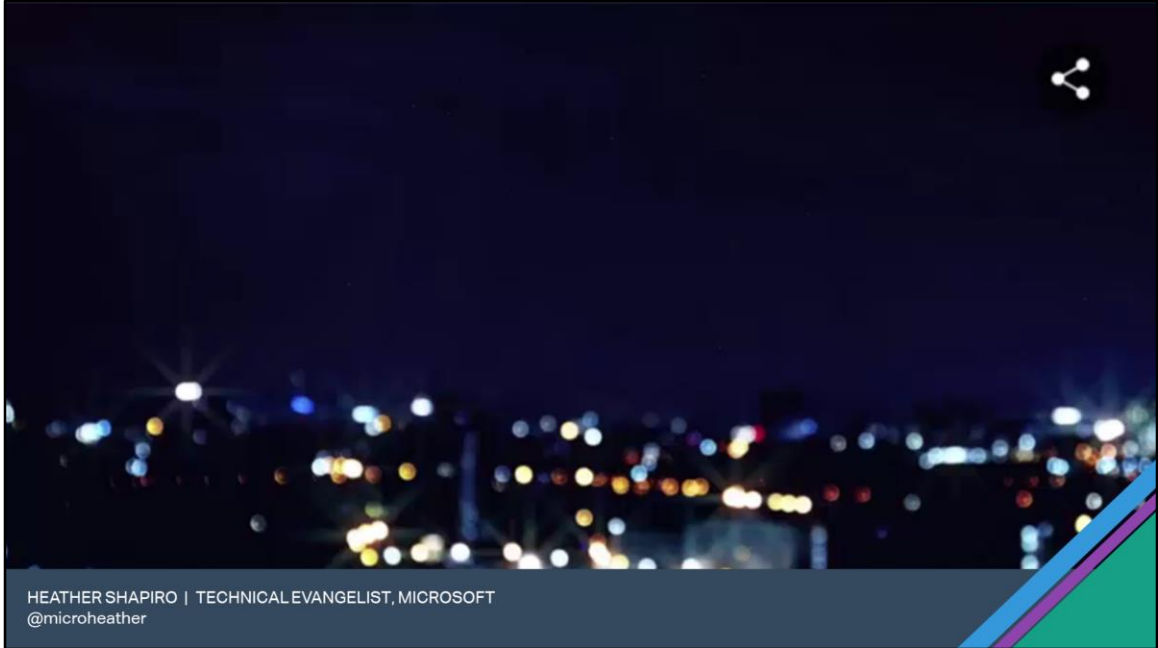
Do millennials make the grade?

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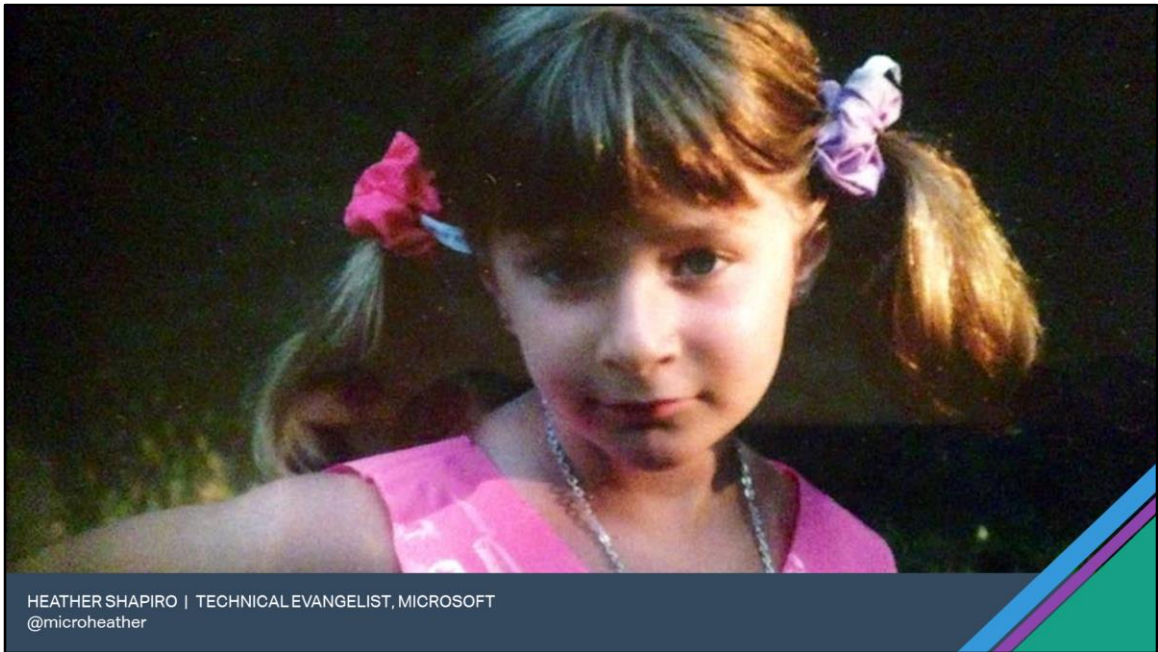


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[http://whateverblog.dallasnews.com/files/2013/05/yolo\\_arrested\\_development\\_me.png](http://whateverblog.dallasnews.com/files/2013/05/yolo_arrested_development_me.png)



Millennial SNL Skit– [www.nbc.com/saturday-night-live/video/millennials/2916016](http://www.nbc.com/saturday-night-live/video/millennials/2916016)



Baby picture of Heather Shapiro- She's a millennial



<http://www.eonline.com/news/442251/it-s-national-tequila-day-2013-here-s-a-step-by-step-guide-to-celebrating>, <http://time.com/247/millennials-the-me-me-me-generation/>, <http://giphy.com/gifs/realitytvgifs-wwhl-GA8Nmqr3NvJMQ>

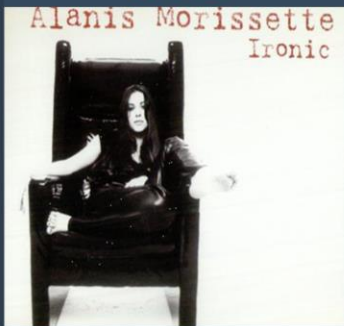
# MILLENIALS

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

80s



90s



00s



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3 icons – side by side (MJ Bad Album) (Alanis Morissette)(Jennifer Lopez)

# MASSIVE OPEN ONLINE COURSES ( MOOCS )

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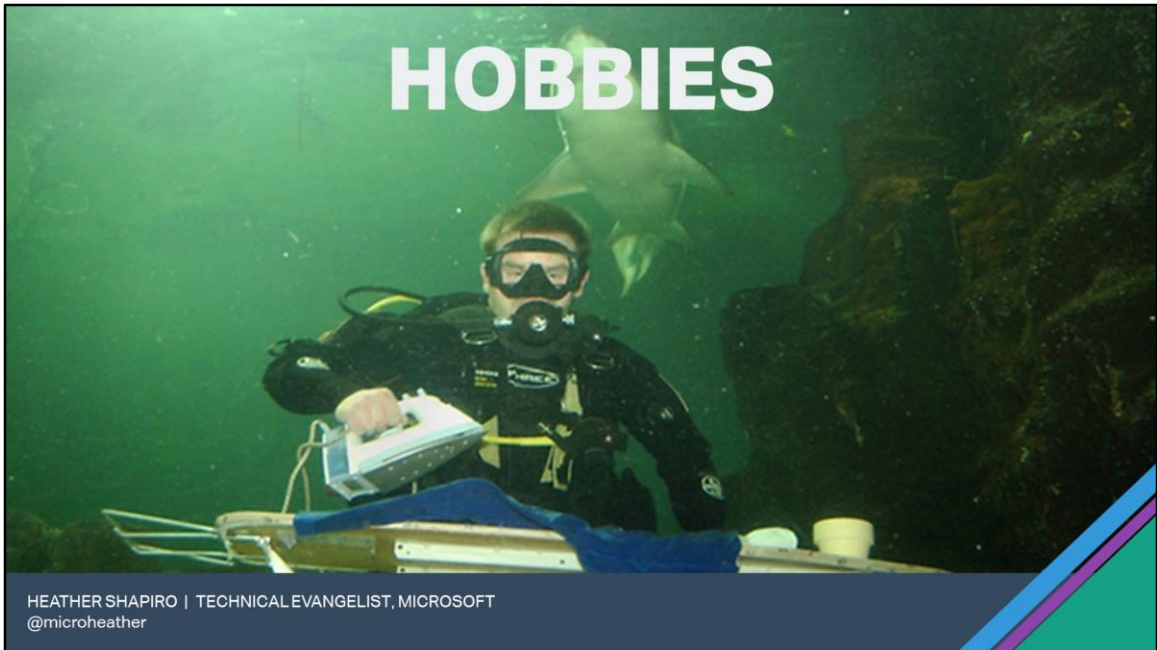
# MOTIVATION FOR STUDENTS

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# CERTIFICATES



<http://www.funawards.com/funny-certificates/images-600/fun-certificate-bermuda.jpg>



<http://www.harrogateironing.co.uk/wp-content/uploads/2013/11/Extreme-ironing-underwater-with-Shark.jpg>,

<http://www.oneinchpunch.net/wordpress/wp-content/uploads/2007/08/extreme-ironing-04.jpg>,

<http://slappedham.com/wp-content/uploads/2014/07/extreme-ironing-sky-dive.jpg>

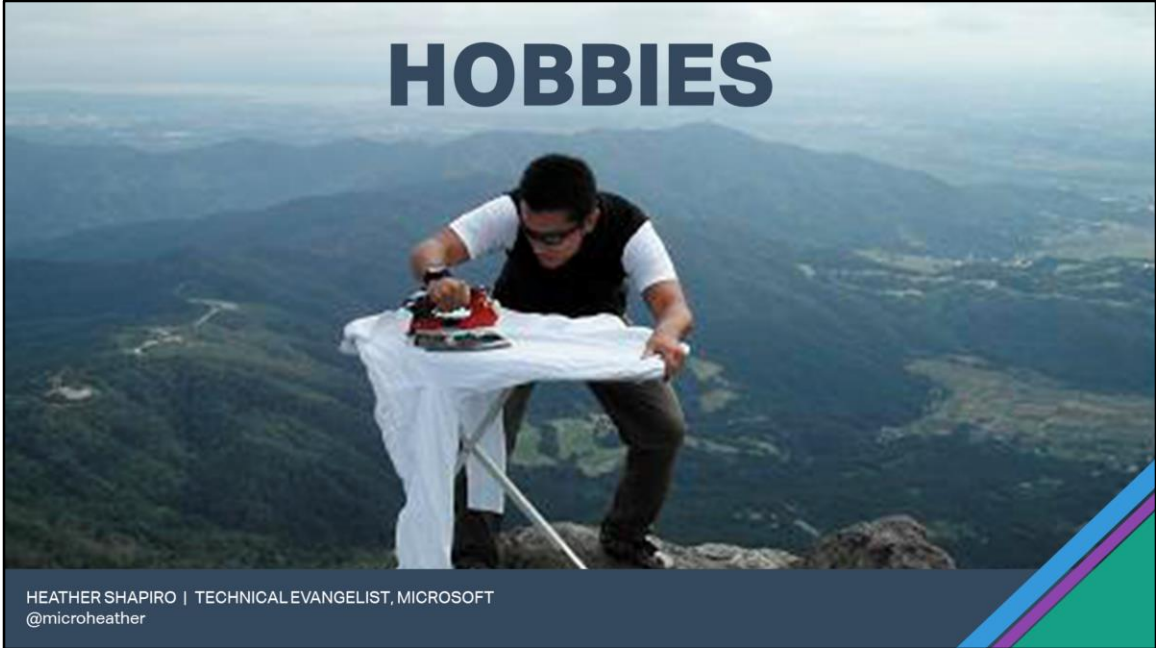


<http://www.harrogateironing.co.uk/wp-content/uploads/2013/11/Extreme-ironing-underwater-with-Shark.jpg>,

<http://www.oneinchpunch.net/wordpress/wp-content/uploads/2007/08/extreme-ironing-04.jpg>,

<http://slappedham.com/wp-content/uploads/2014/07/extreme-ironing-sky-dive.jpg>

# HOBBIES



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<http://www.harrogateironing.co.uk/wp-content/uploads/2013/11/Extreme-ironing-underwater-with-Shark.jpg>,

<http://www.oneinchpunch.net/wordpress/wp-content/uploads/2007/08/extreme-ironing-04.jpg>,

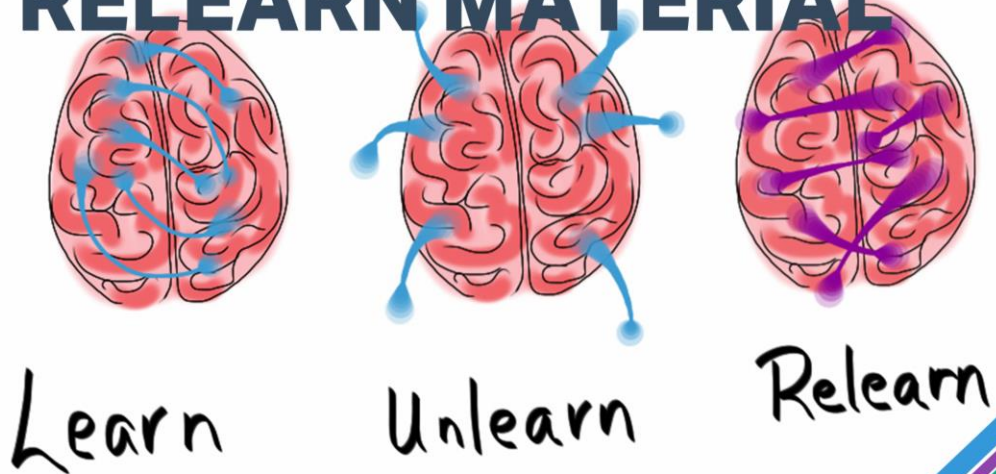
<http://slappedham.com/wp-content/uploads/2014/07/extreme-ironing-sky-dive.jpg>



<http://www.media24by7.com/wp-content/uploads/2015/01/weird-jobs.jpg>



# RELEARN MATERIAL



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[http://e.fastcompany.net/multisite\\_files/fastcompany/poster/2006/02/919166-poster-7211160284gforsytheb.jpg](http://e.fastcompany.net/multisite_files/fastcompany/poster/2006/02/919166-poster-7211160284gforsytheb.jpg)

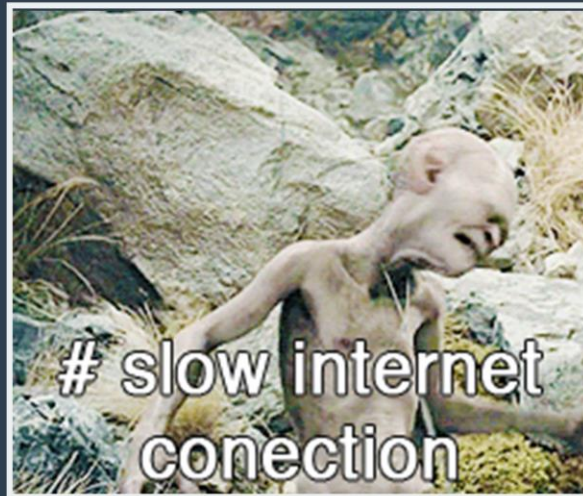
# BARRIERS FOR STUDENTS

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[http://e.fastcompany.net/multisite\\_files/fastcompany/poster/2006/02/919166-poster-7211160284gforsytheb.jpg](http://e.fastcompany.net/multisite_files/fastcompany/poster/2006/02/919166-poster-7211160284gforsytheb.jpg)



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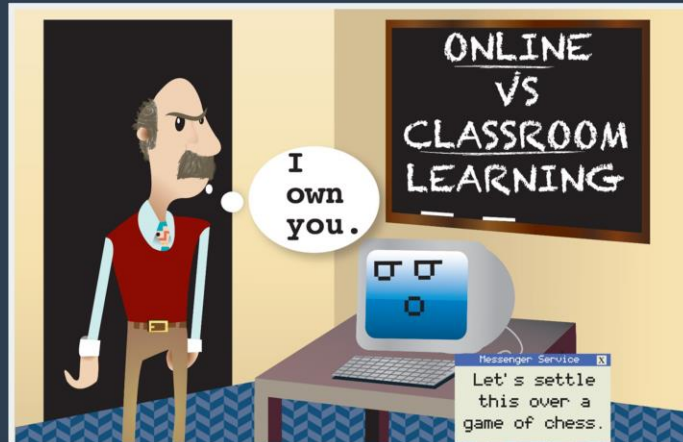
<http://giphy.com/gifs/fun-amazing-lzq5qC0v34nTy>

# CERTIFICATES



<http://www.funawards.com/funny-certificates/images-600/fun-certificate-bermuda.jpg>

# ONLINE FORMAT



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<http://nccvoice.com/wp-content/uploads/2012/03/Online-vs-Class.jpg>

# CASE STUDY

Duke University



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Duke 2015

## WHO



36 students from two  
Coursera courses

## WHAT



Interviews conducted  
over Skype

## HOW



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

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# TOOLS USED

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



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# PANDAS



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<http://giphy.com/gifs/sad-panda-kwHtcIlkmlizO>



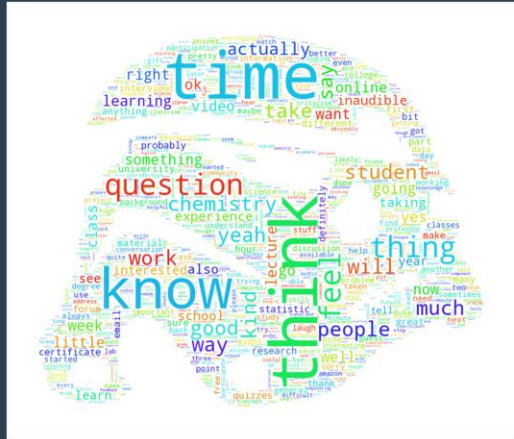


[https://media4.giphy.com/media/Fy3HFZdPyYao/200\\_s.gif](https://media4.giphy.com/media/Fy3HFZdPyYao/200_s.gif)



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# WORD CLOUDS



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# QUALITATIVE ANALYSIS

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Beta - Document Browser

Beta

Normal

✓ Toolbar  
✓ Speed Coding Bar  
✓ Coding Snippets

Select Coding Snippets

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

Beta - Codes

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

first directing job

work experience

teaching

pitching

Alternative Action

networking

family background

schooling

Code

Undo

Working Set

Add Node(s)

Remove All

InfoView

/Working Nodes/Free Nodes/badging

Code

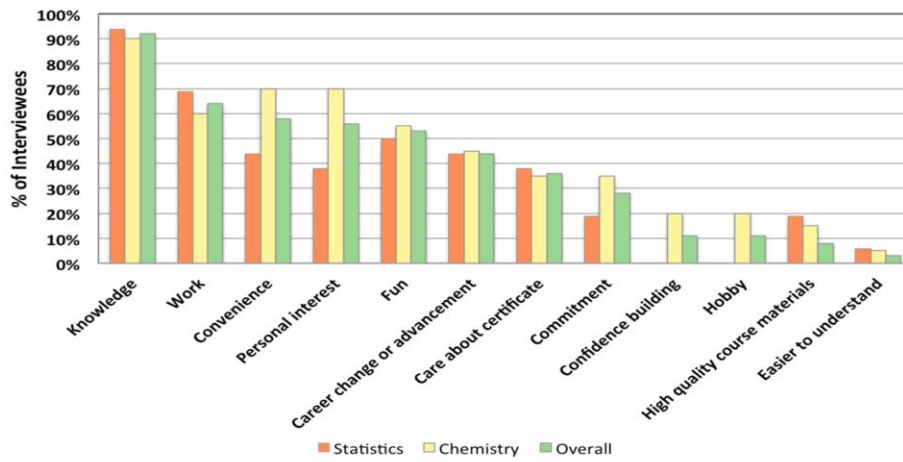
Undo

Coder

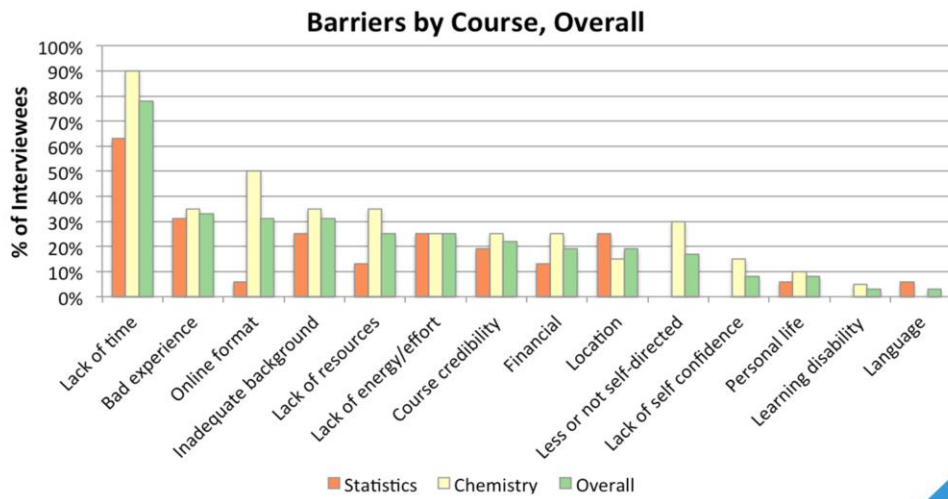
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30

Motivations by Course, Overall



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# RESOURCES

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

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# CONTACT ME

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

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A young girl with dark hair, wearing a grey and white striped long-sleeved shirt and pink pants, is riding a pink bicycle. She is in a warehouse or storage area with cardboard boxes in the background. The word "THANKS!" is overlaid in large, bold, blue capital letters in the top left corner.

# THANKS!

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