Show & Tell QS ‘18

To Teach QS, First Know Thyself
WHO WE ARE

Michael Lim
Math Teacher

Alex Truong
12th Grader
THE PROBLEM

Real-World Relevance

vs

AP CollegeBoard Advanced Placement Program
THE SOLUTION

UNIVARIATE ANALYSIS

- mode
- median
- mean

$\sigma = 0.25$

$\sigma = 1$

MULTIVARIATE ANALYSIS
Over the past week, you logged:

95h 47m
↑ 12 more hours than the previous week

Your productivity score:

29%
↑ 7.4% increase from the previous week

Top applications and websites:

- 21h 56m youtube.com
- 14h 53m reddit.com
- 14h 20m discord
- 5h 46m fortniteclient-win64-ship...
- 5h 7m Google Documents
MULTIVARIATE INSIGHTS

Baseline Productivity:
3.14 Hours/Day

1 gram of sugar consumed = 25.2 lost seconds of Productivity

$R^2: 0.016$
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NOW IT’S THEIR TURN!

NETFLIX

Gratitude

YO MAMA SO FAT
I HAD TO LET HER PASS
WHAT WE’VE LEARNED

ABOUT OUR HABITS
1. Sugar consumption is typically bimodal
2. Youtube’s algorithms are hazardous to teenagers

ABOUT LIFE
1. What gets measured, gets managed
2. Kids don’t hate math, they hate IMPERSONAL math
3. New habits are IMPOSSIBLE to sustain alone
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