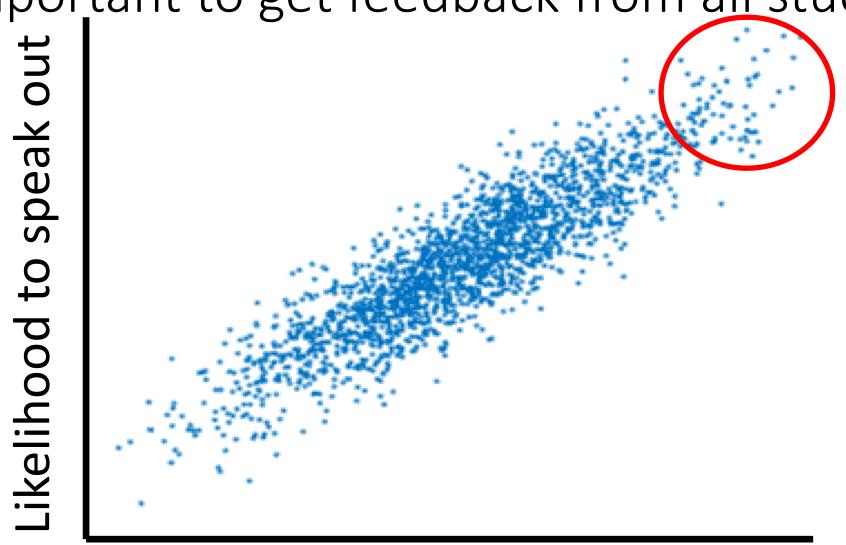
Remote calibration of class content and delivery, implementing rapid feedback loops with after-action assessments (AAA)

Pascal Wallisch, PhD
Center for Data Science & Department of Psychology
New York University

The problem: To properly calibrate a class, it is important to get feedback from all students



Student proficiency

Before we went remote, this was straightforward:
Clickers can be used to get this feedback at scale



The after-action assessment (AAA)

Assignment Instructions

Please type the following in the box below:

- 1) State the main takeaway from this lecture in your own words. 1 paragraph. Keep it brief.
- 2) What would you like to know more about? (If nothing: What surprised you?) 1 paragraph. Keep it brief.

That's it.

How to get the students to do this, per lecture?

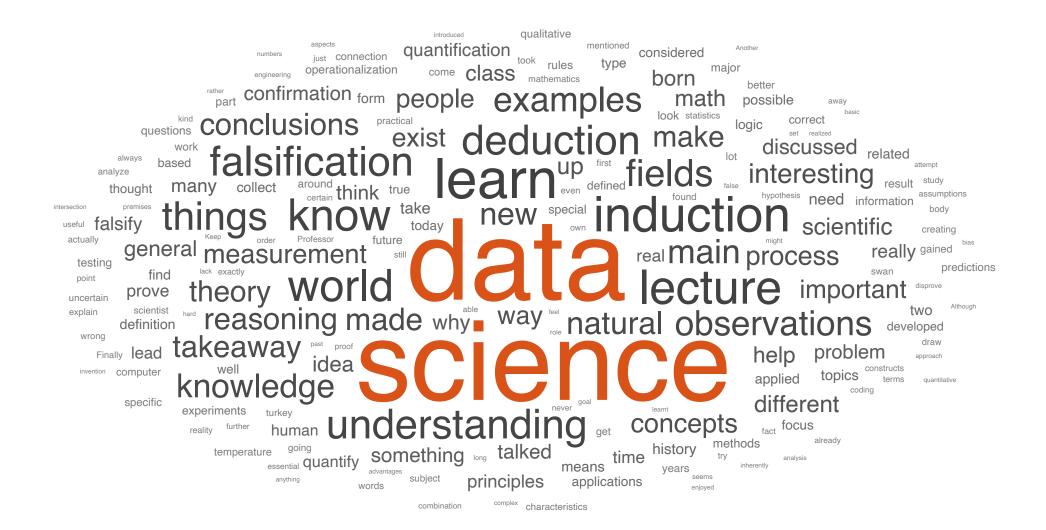
Killing two birds with one stone – making it count for **participation** (giving them the flexibility to watch lecture recordings asynchronously, etc.)

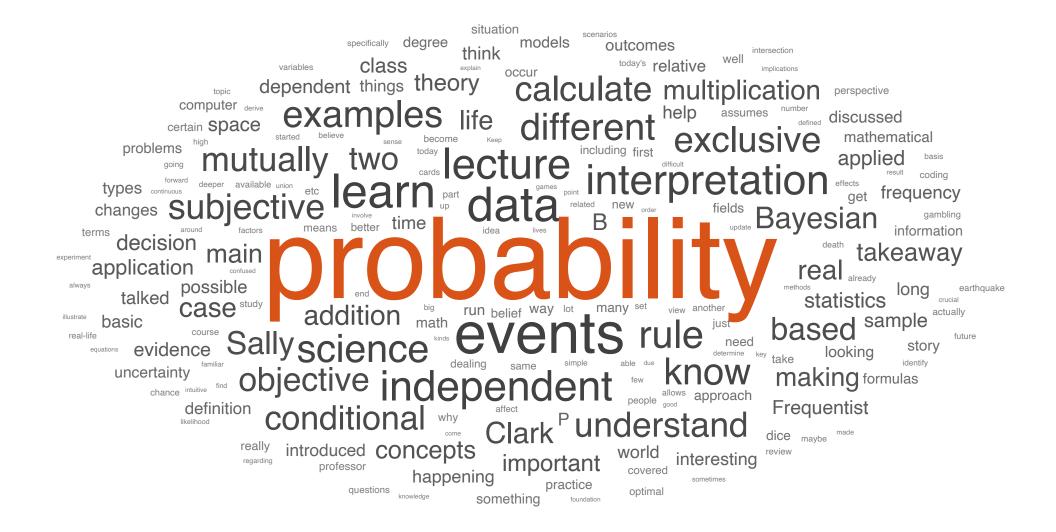
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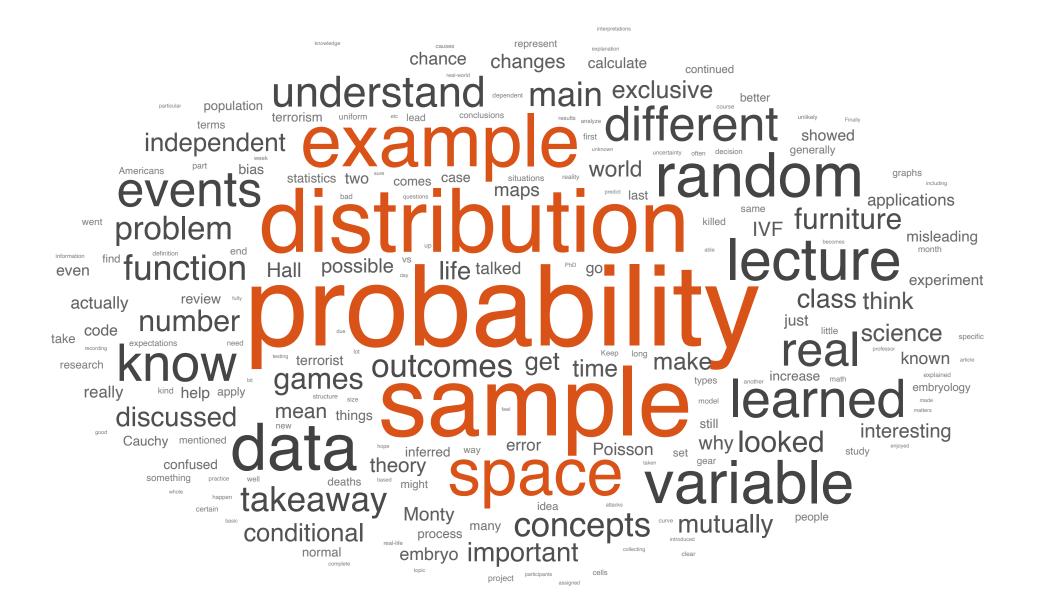
A) After action assessments (participation)	0.5% / lecture	10% total
B) 1 Big data analysis project	16%	16% total
C) 1 Course logistics quiz	1%	01% total
D) 7 Data analysis reports	2% / report	14% total
E) 1 Exam (cumulative)	15%	15% total
F) 7 Functions (Python)	2% / function	14% total

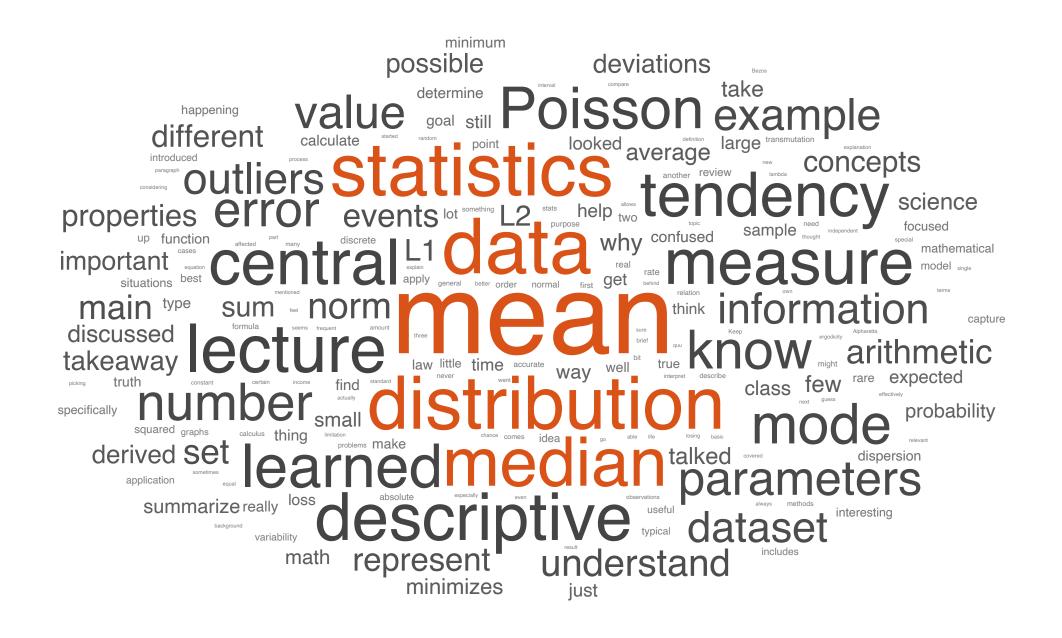
How closely are students following the course material?

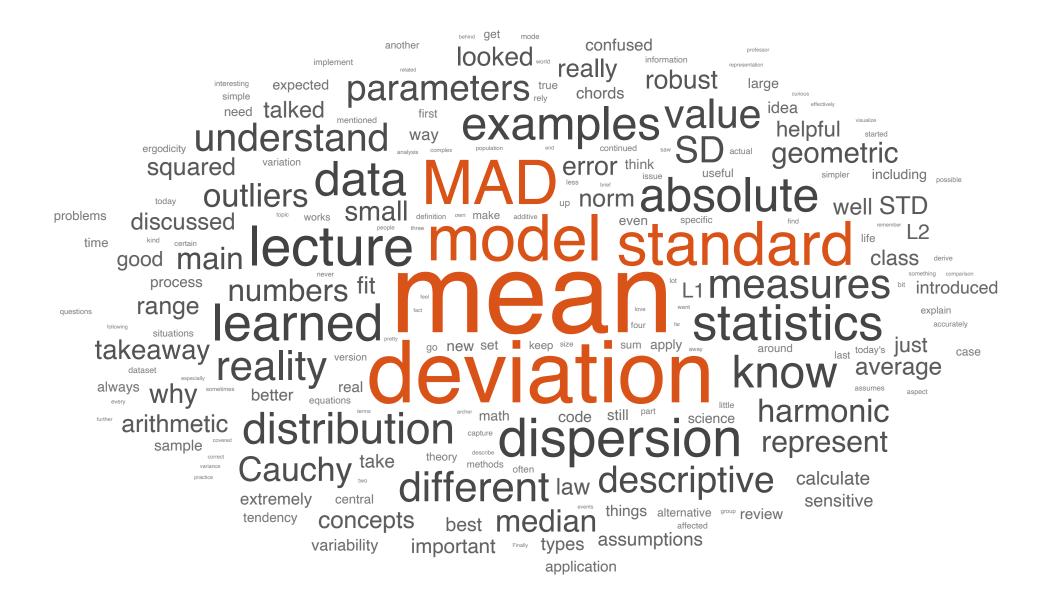
Lecture by lecture feedback from a Fall 2020 Introduction to Data Science class...

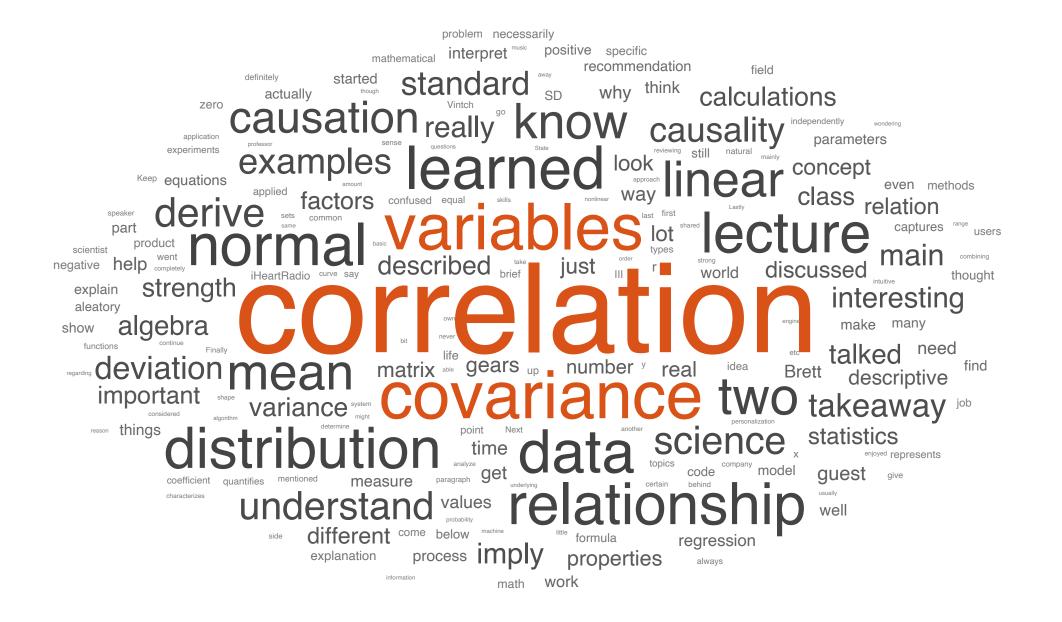




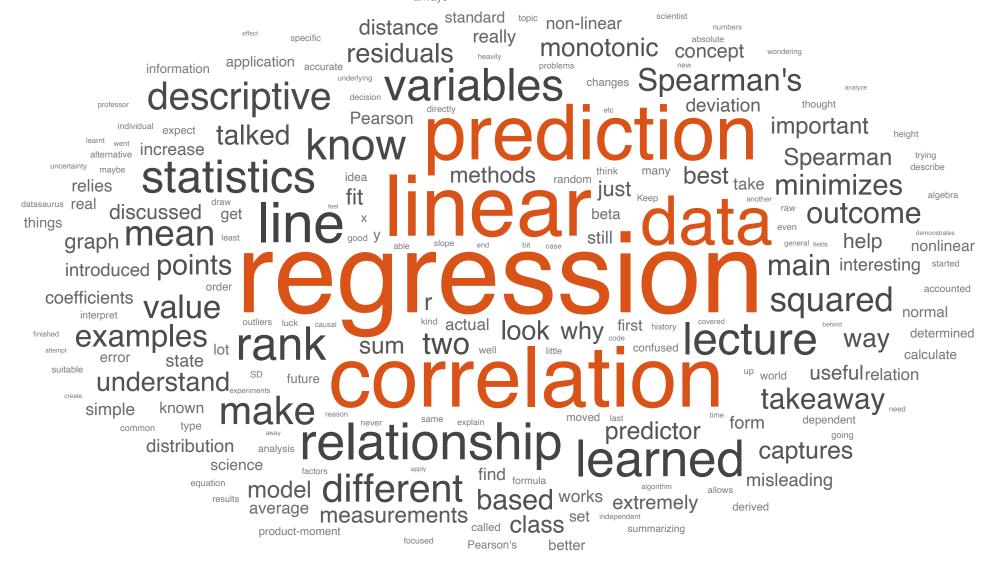


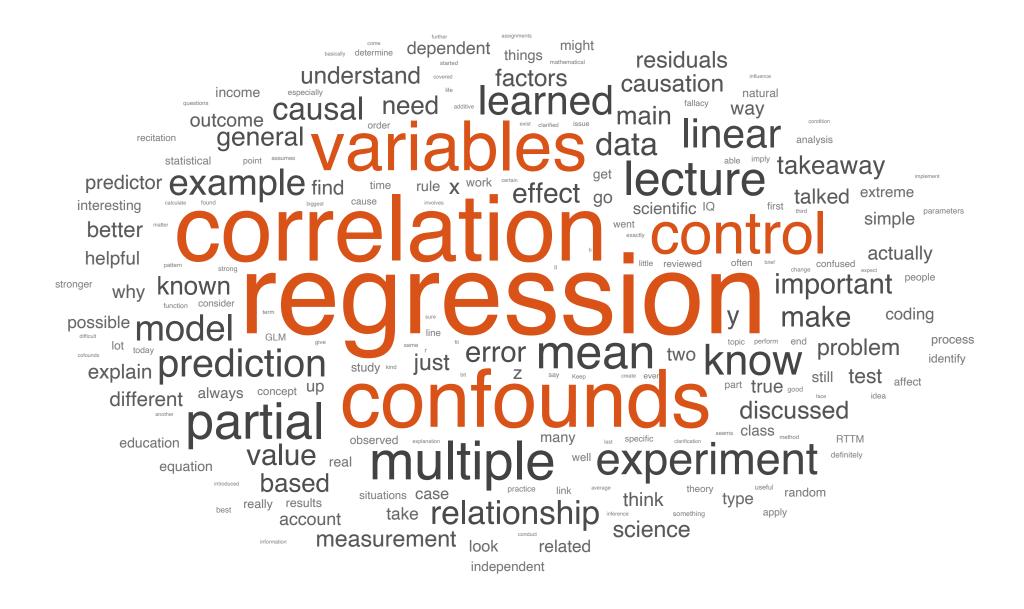


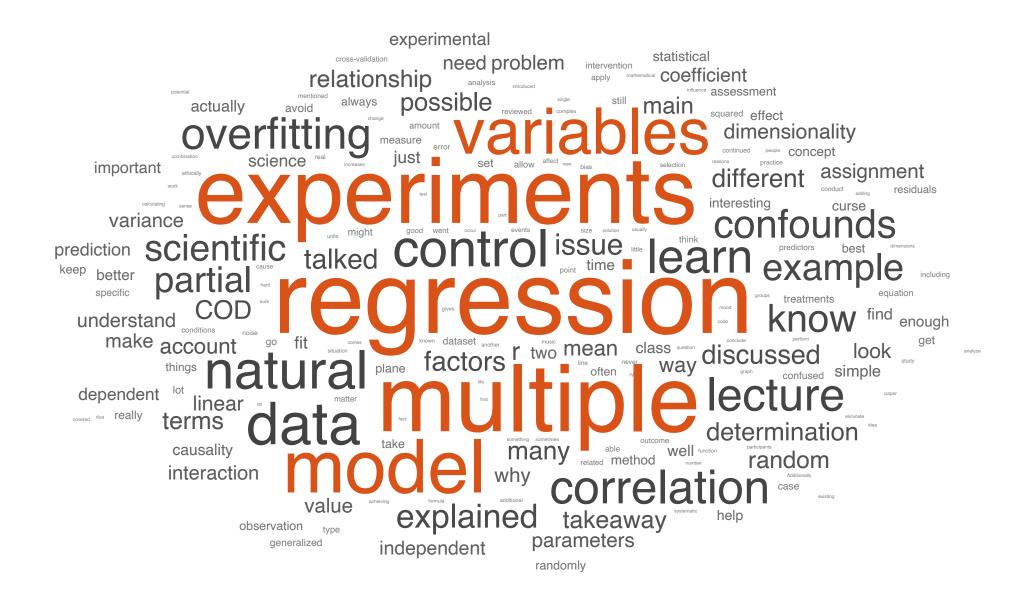


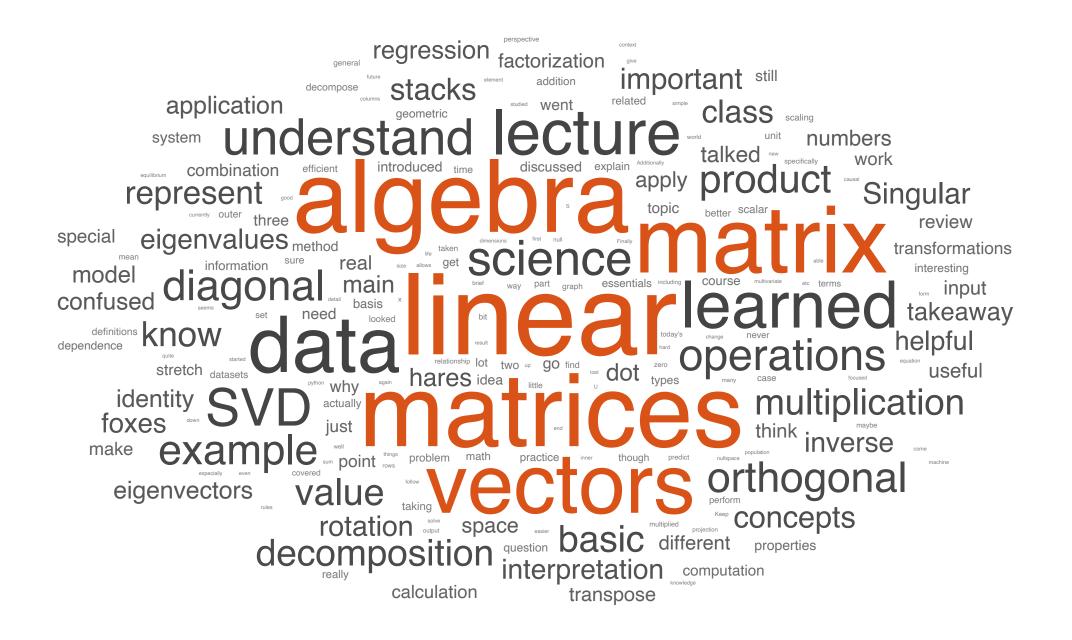


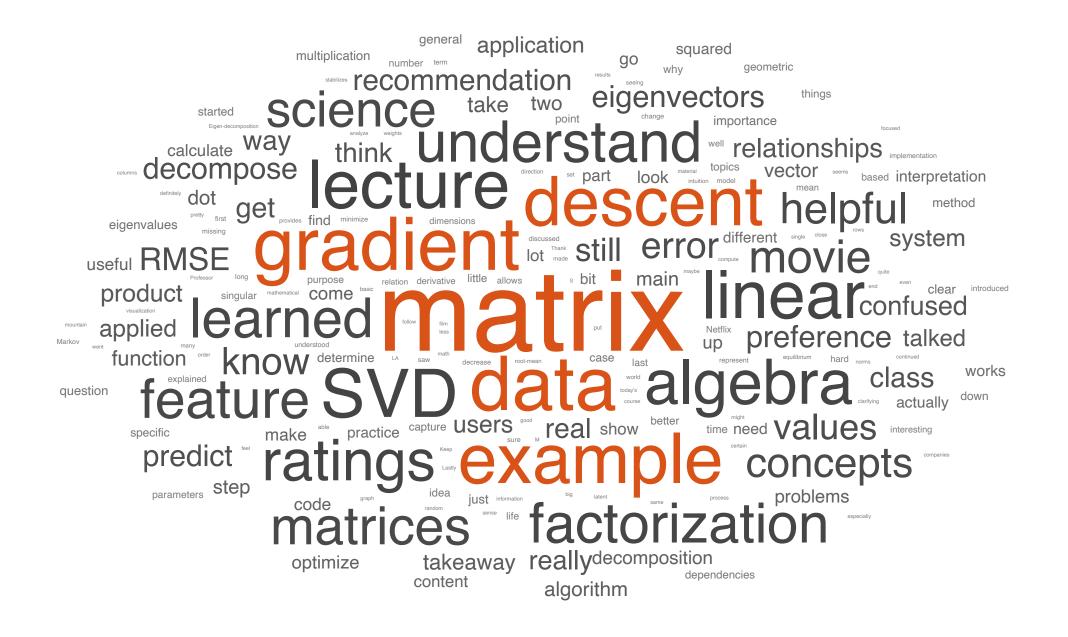
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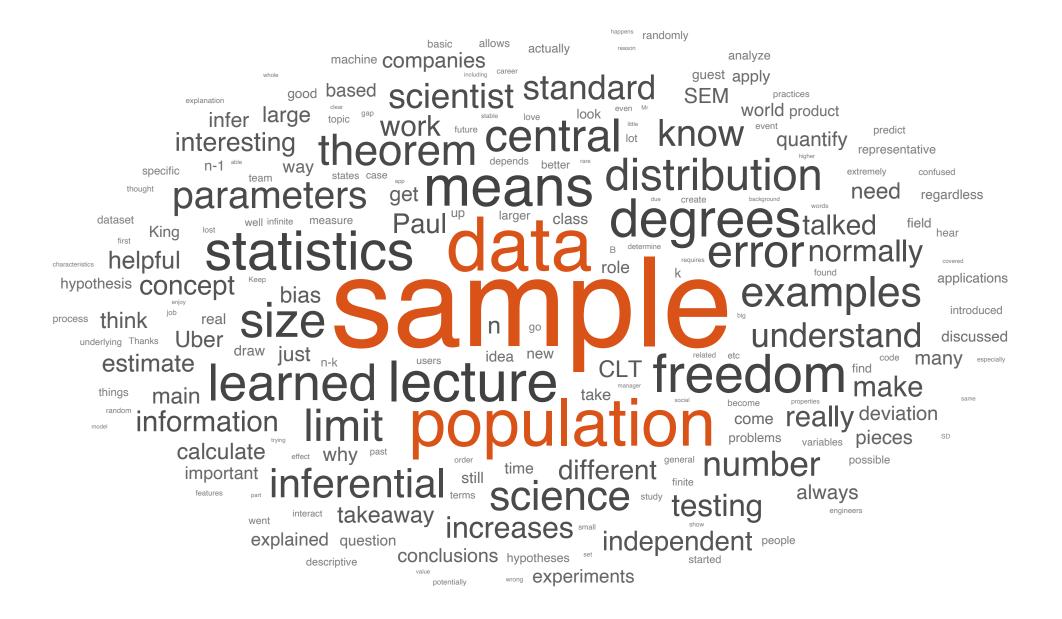


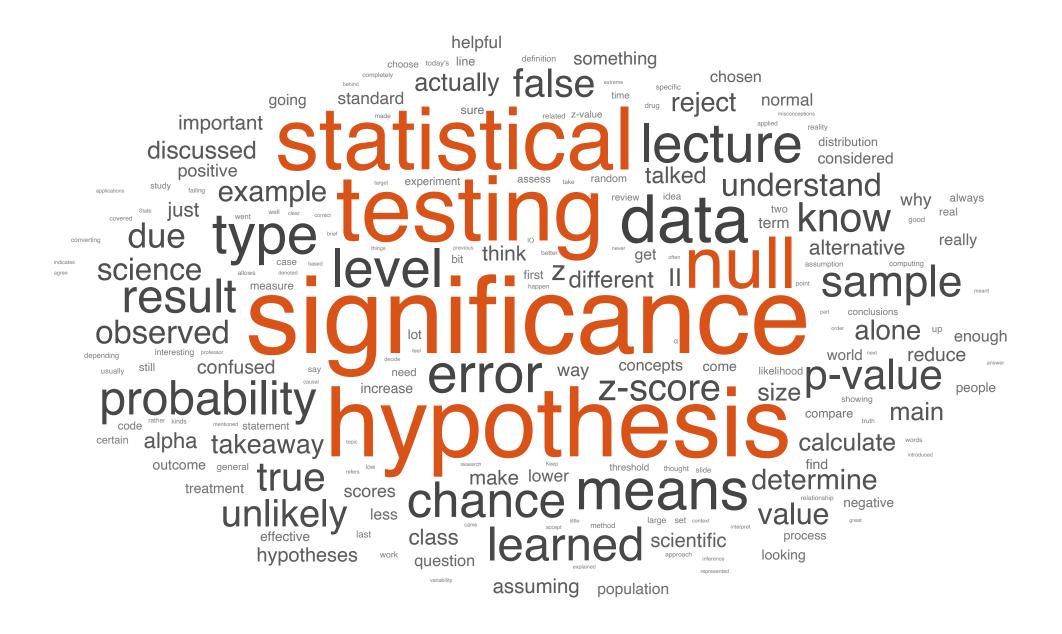


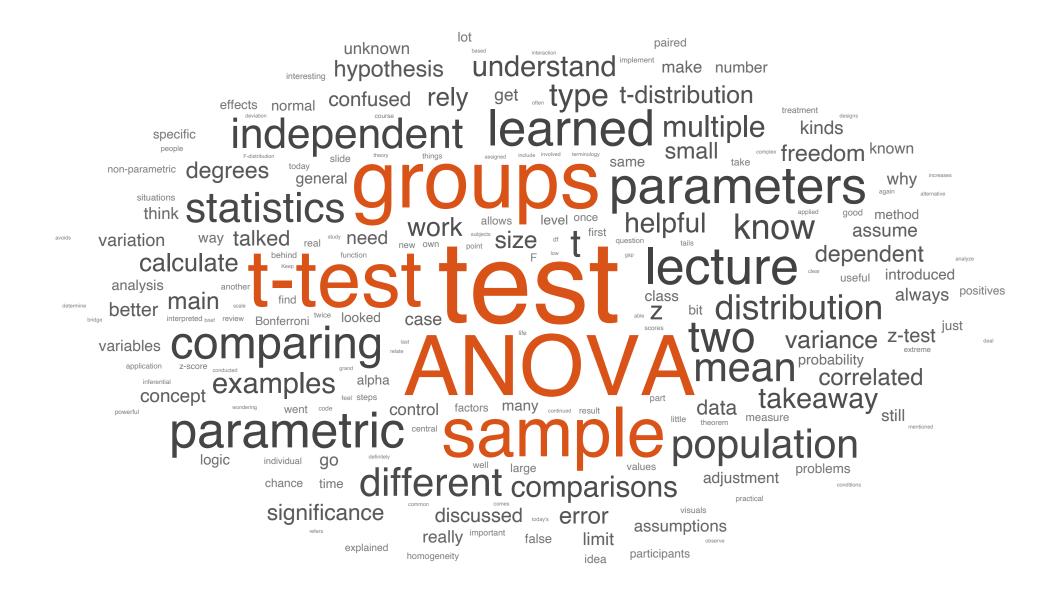


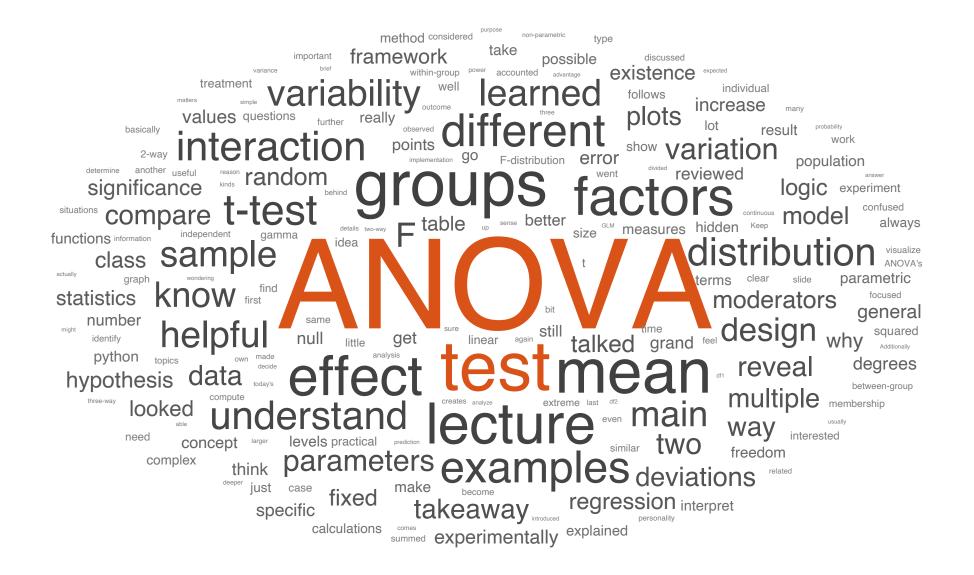


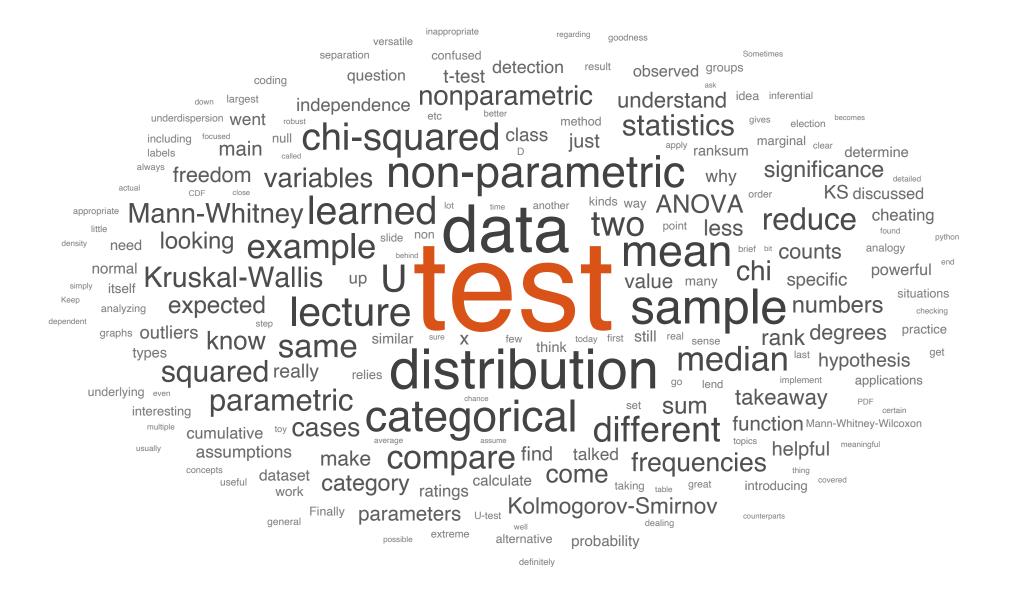


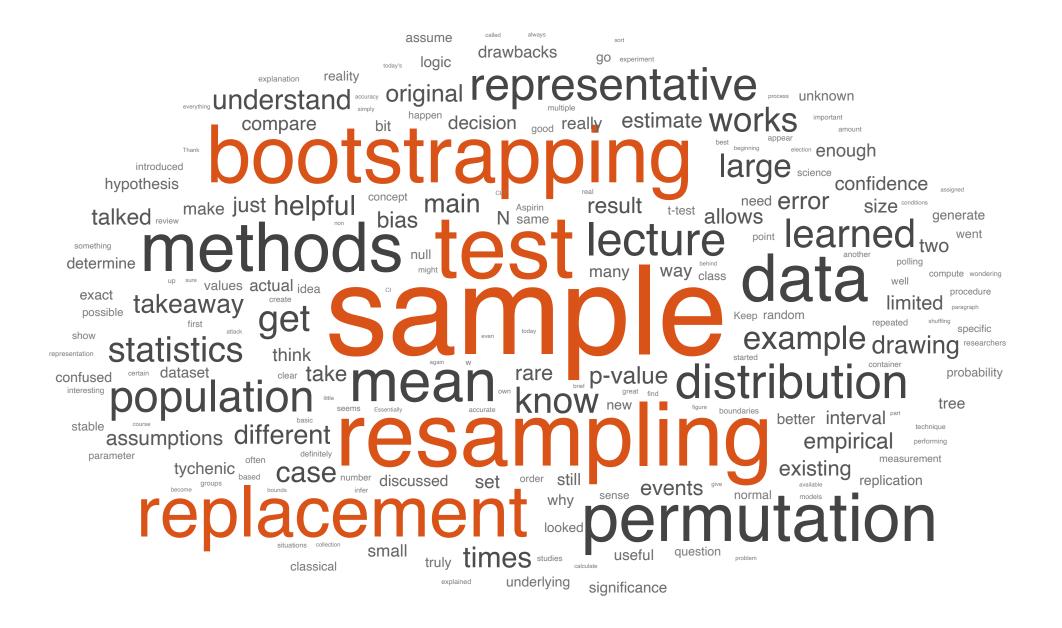




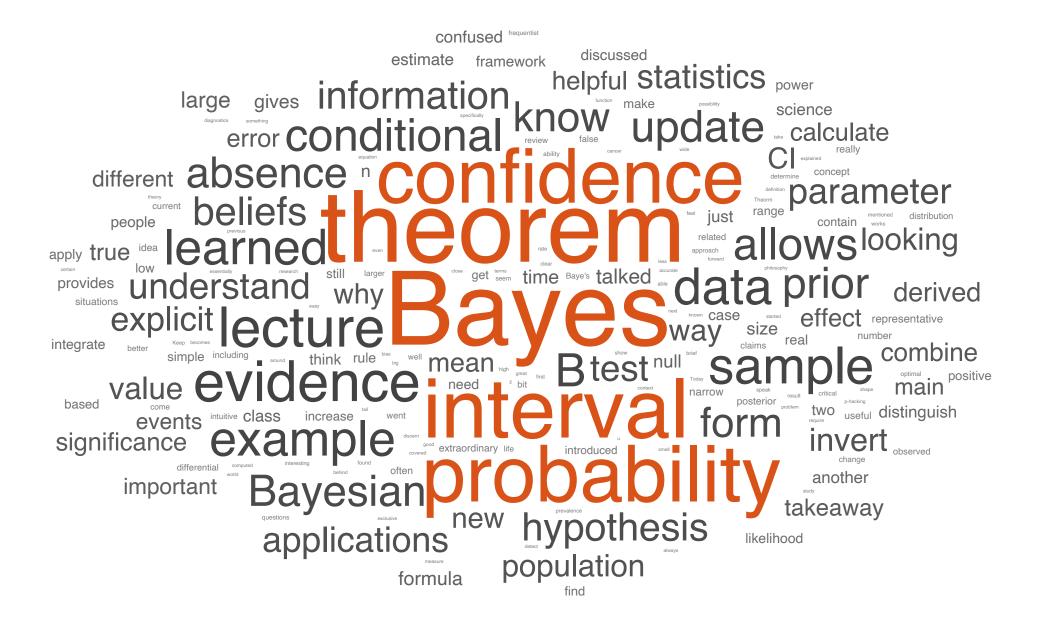


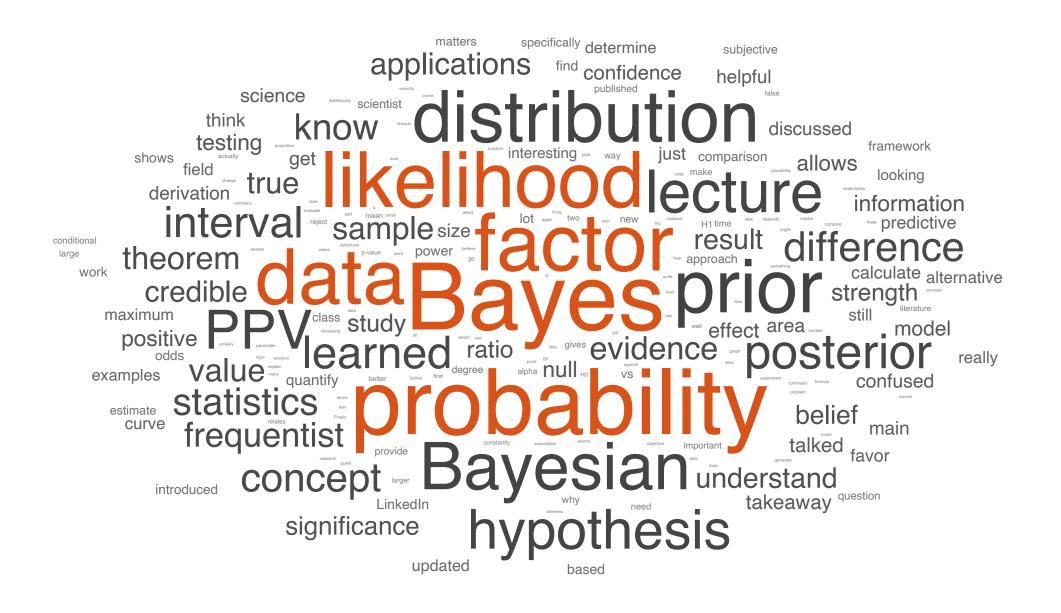


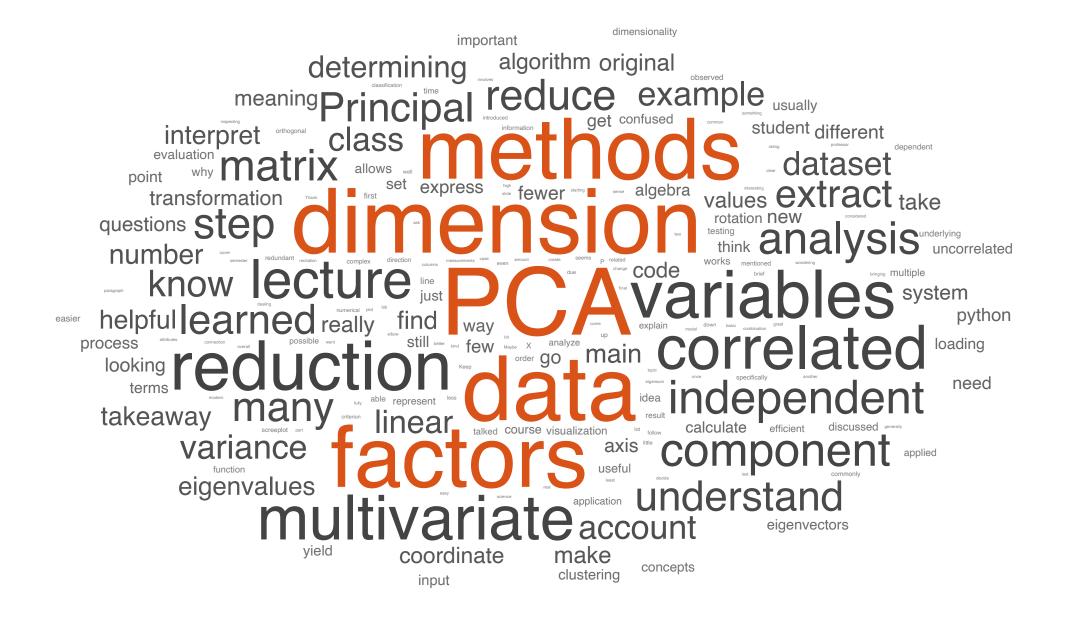


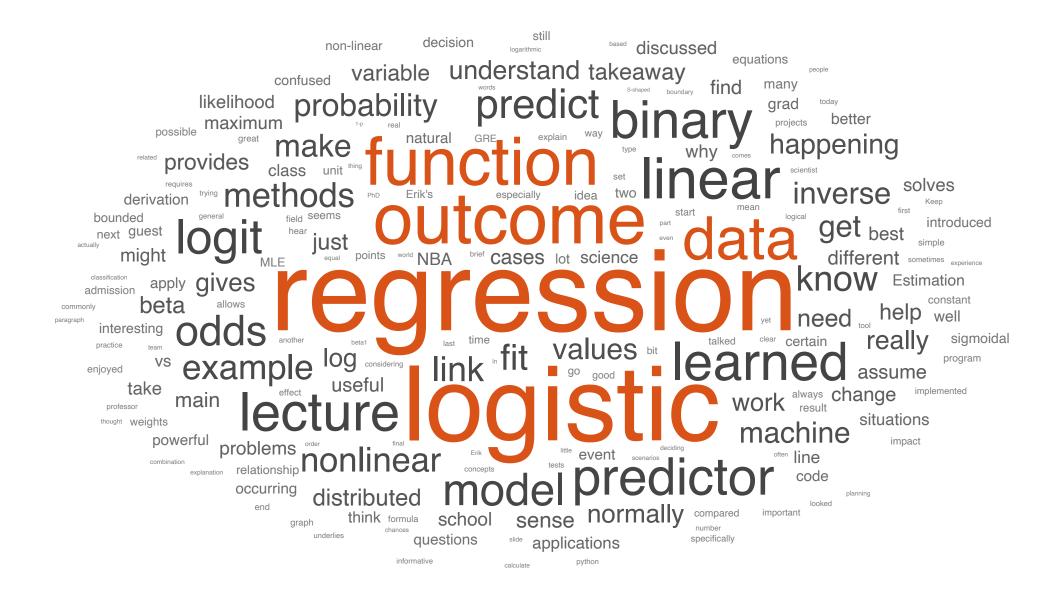


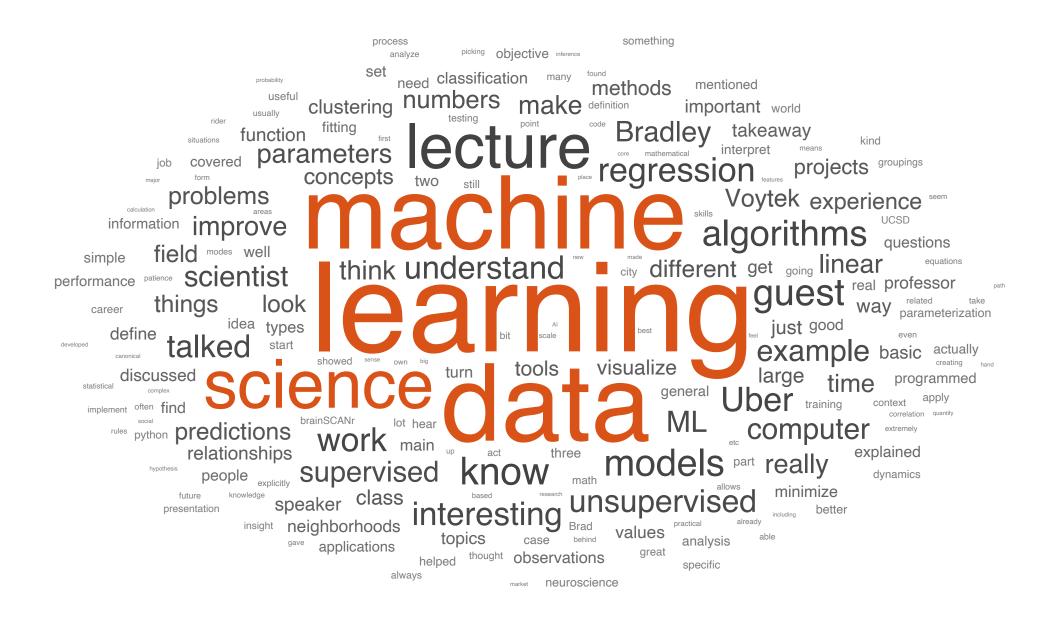








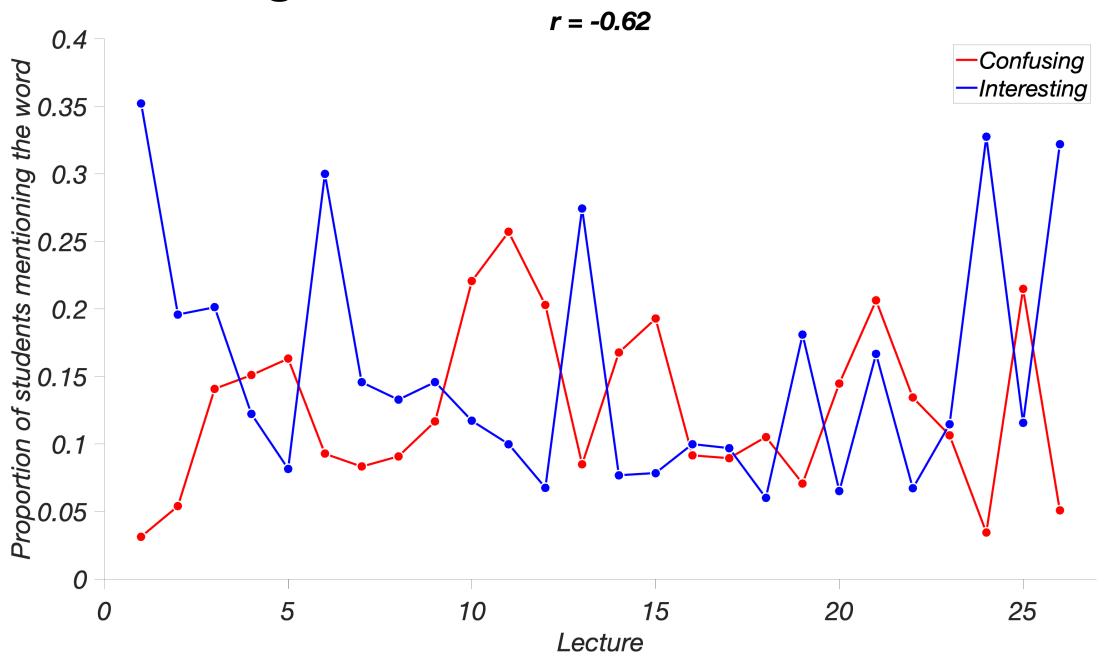








Insight: Confusion blocks interest



At least 4 birds!

- Participation
- Immediate and specific feedback
- Aggregated insights
- Retention of material (some digestion)
- ...?

Downsides?



Thank you