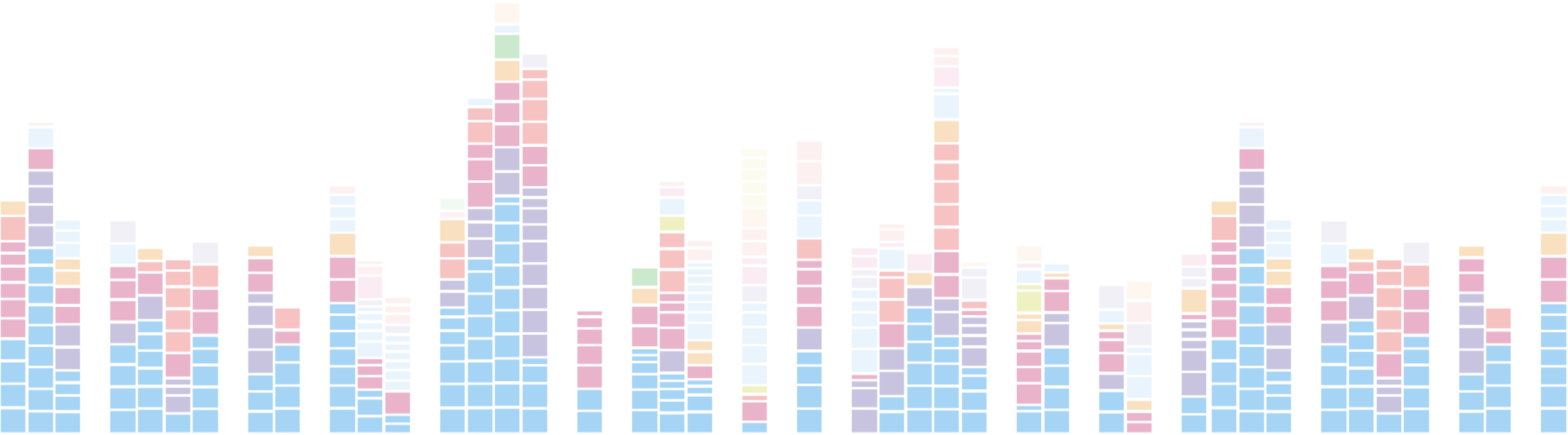
CEEA 2018: EGAD Workshop #2

WORKING WITH DATA

Jake Kaupp, Nasim Razavinia, Pete Ostafichuk



EVERYTHING

will be posted on the EGAD website

https://egad.engineering.queensu.ca/

WORKSHOP LEARNING OBJECTIVES:

1. Participants will be able to identify a multi-stage approach to working with data.

2. Participants will be able to identify strategies for collecting, storing and communicating with data.

3. Participants will be able to contrast the approach at their institution with those of other participants.

A LONG TIME AGO…

Some back of the napkin calculations…

Hand-wavy number	Granularity
12 graduate attributes	12 data points
5 indicators per attribute	60 data points
4 years	240 data points
3000 students	720,000 data points
Triangulation (x3)	2.1 million data points
Multiple measures (x2)	4.2 million data points

REALITY CHECK

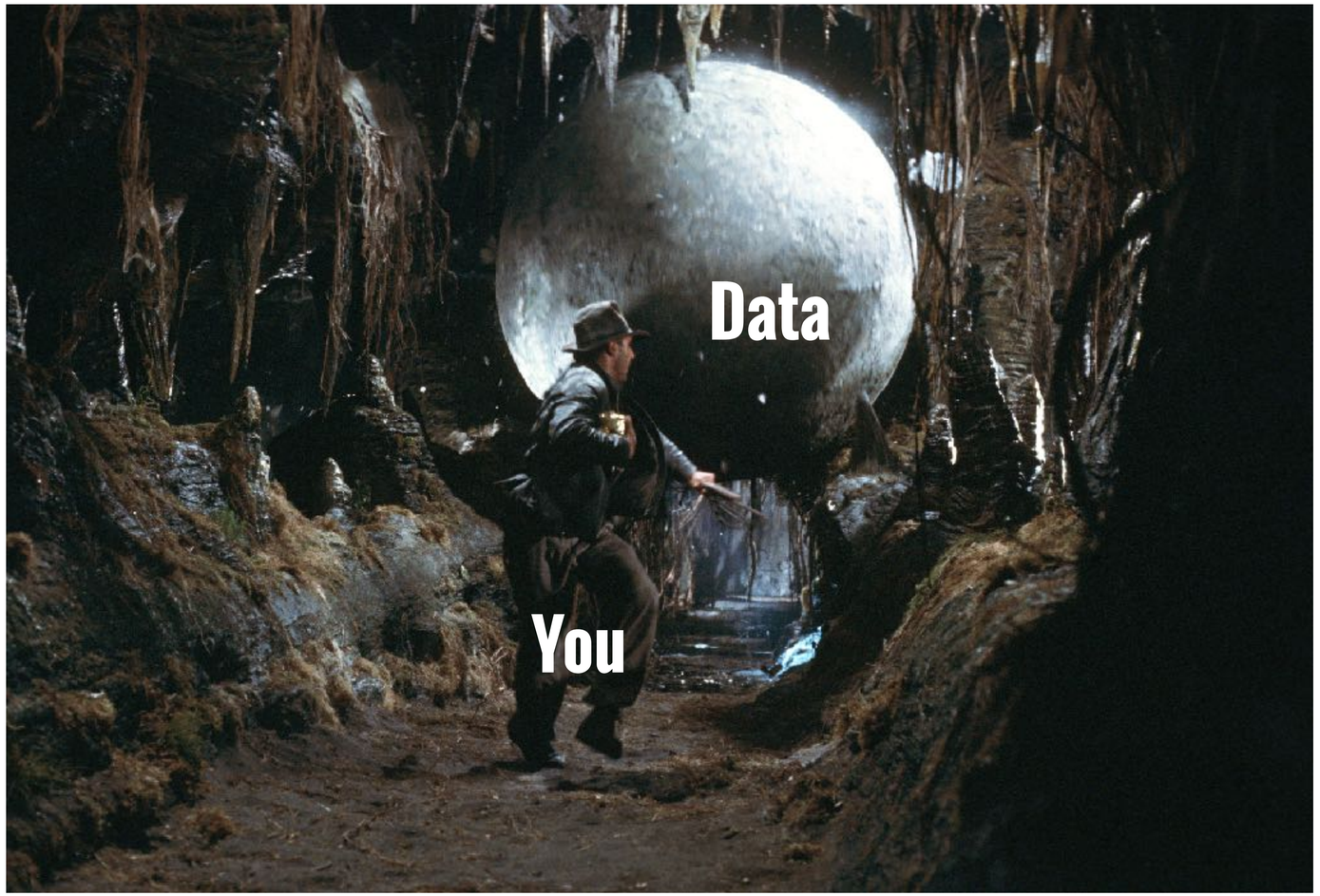
10 programs

221 courses

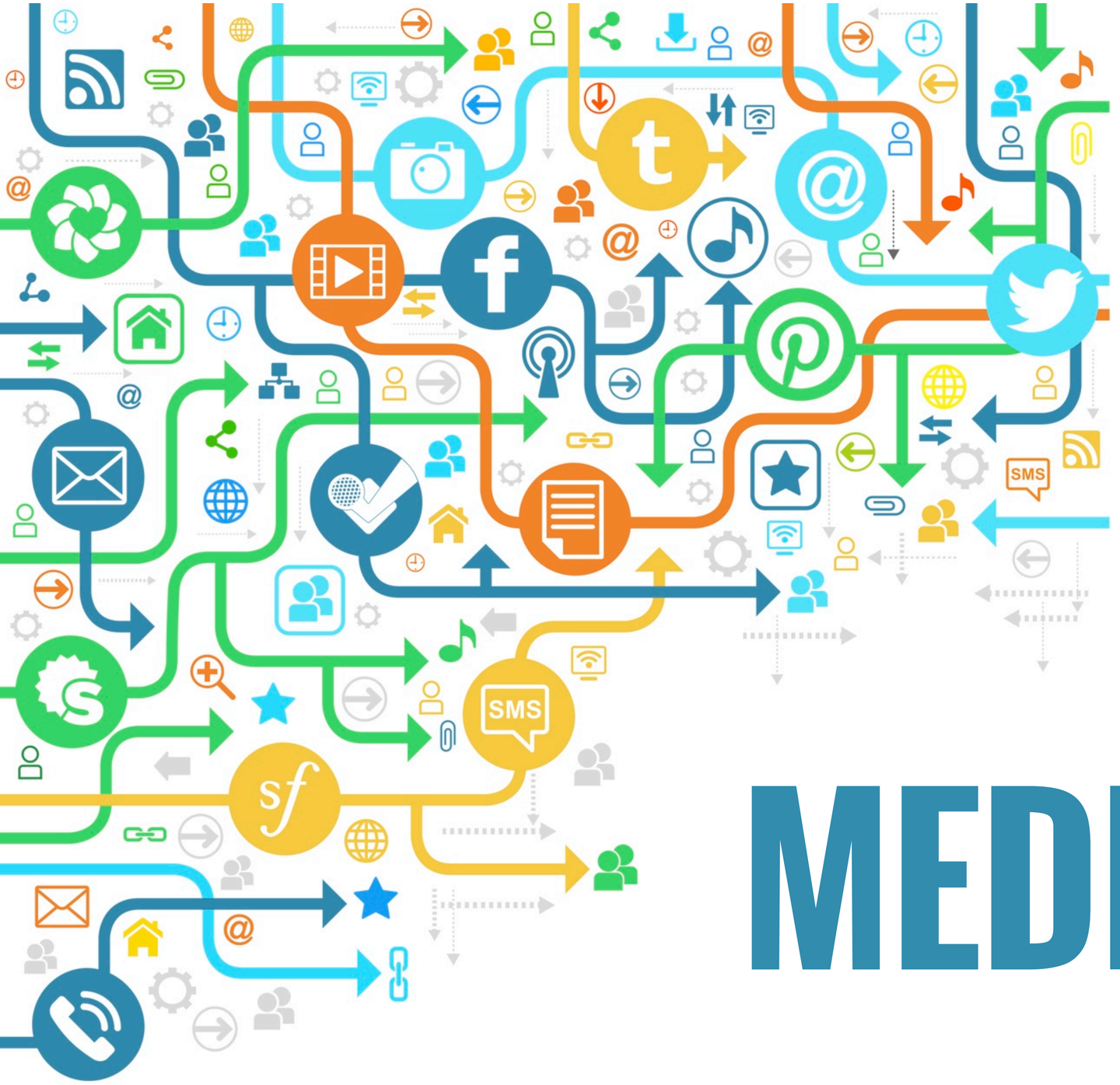
1411 assessments

4157 students

539,751 data points*



*NOT INCLUDING SURVEYS, FOCUS GROUPS, EXTERNAL ASSESSMENT (+150,000)



MEDIUM-ISH data

CEAB

is moving to focus more on

PROCESS

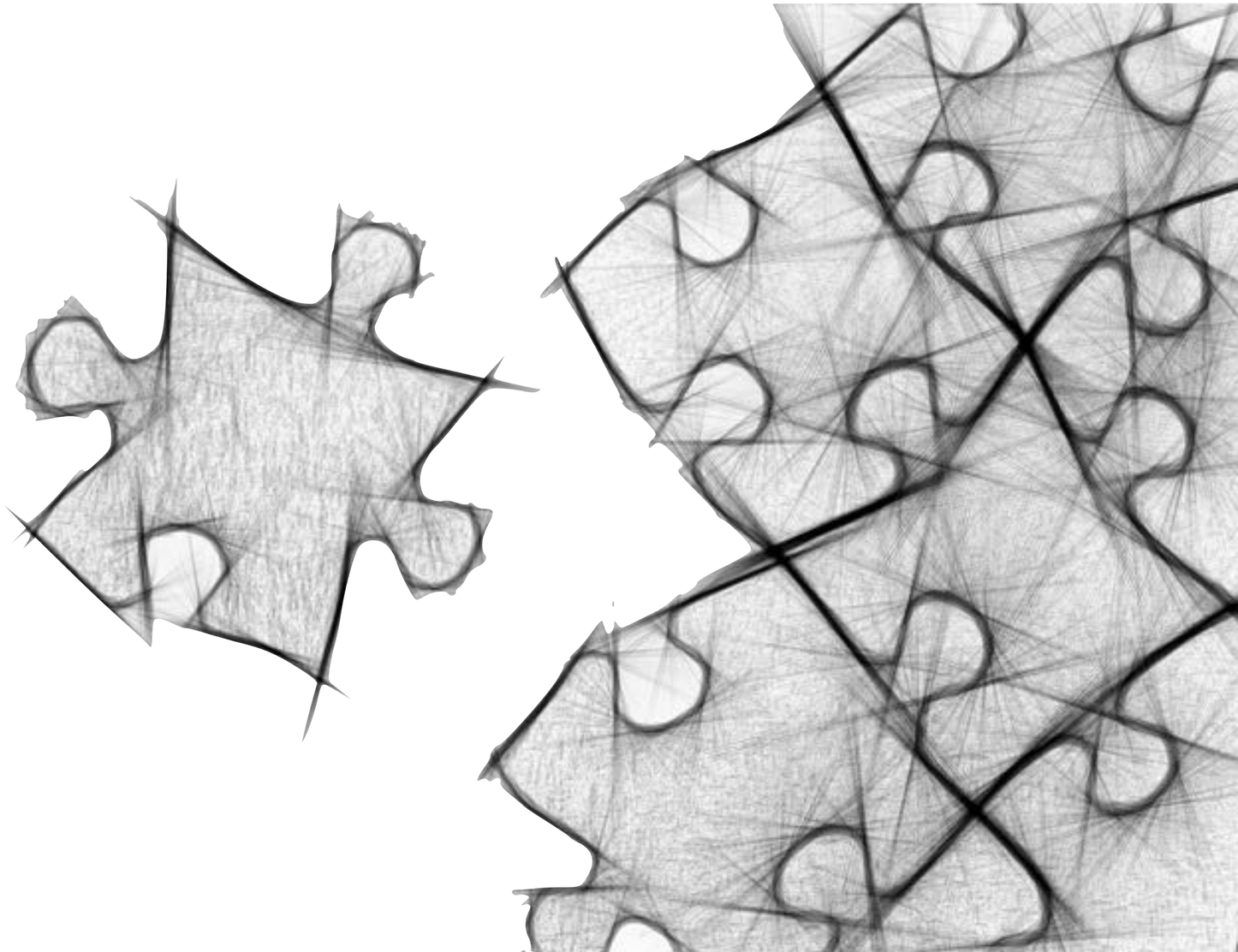
and less on

DATA

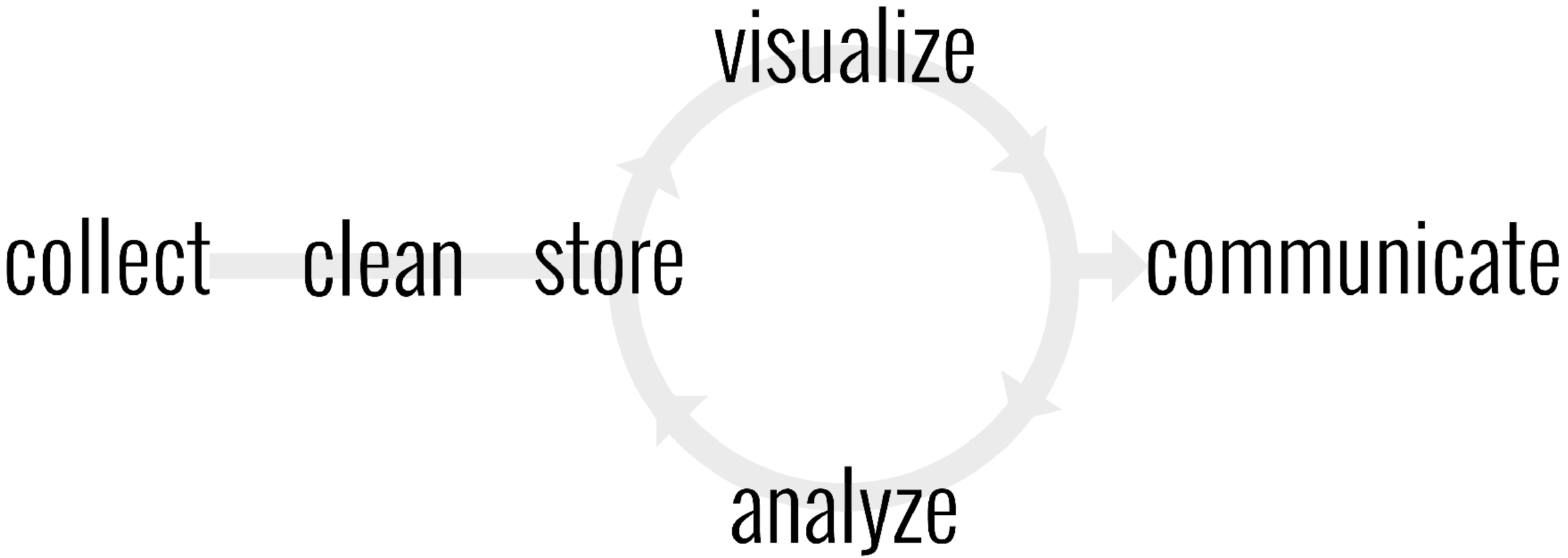
GOAL OF WORKSHOP

workflows

BREAKOUT ACTIVITY



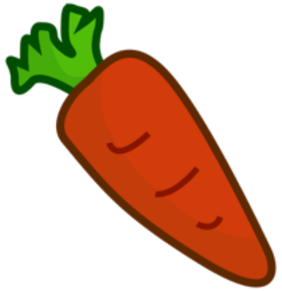
DATA WORKFLOW



BREAKOUT ACTIVITY

What at the key stages where the process could stop working, and how would they stop?

What are strategies that could be put in place to minimize the odds and impact of such an issue?



DATA TOOLS

BREAKOUT ACTIVITY

	TOOL	THE GOOD	THE BAD
COLLECTING DATA			
CLEANING DATA			
STORING DATA			
VISUALIZING DATA			
ANALYZING DATA			
COMMUNICATING DATA			

	TOOL	THE GOOD	THE BAD
COLLECTING DATA	crowdmark	• ARCHIVE STUDENT ARTIFACTS • LINKS TO LMS • STREAMLINES ASSESSMENT	• EXTERNAL SYSTEM • PRIMARILY SUMMATIVE ASSESSMENTS • NO GA/LO INTEGRATION

EMBRACE THE

HIGHLIGHT THE

BREAKOUT ACTIVITY

Pick a sample workflow. Identify what you think the positive and negative aspects of the process.

How would you use process to address the negative?

How would you highlight the positive to improve buy-in?

Building
Better
Buy-in

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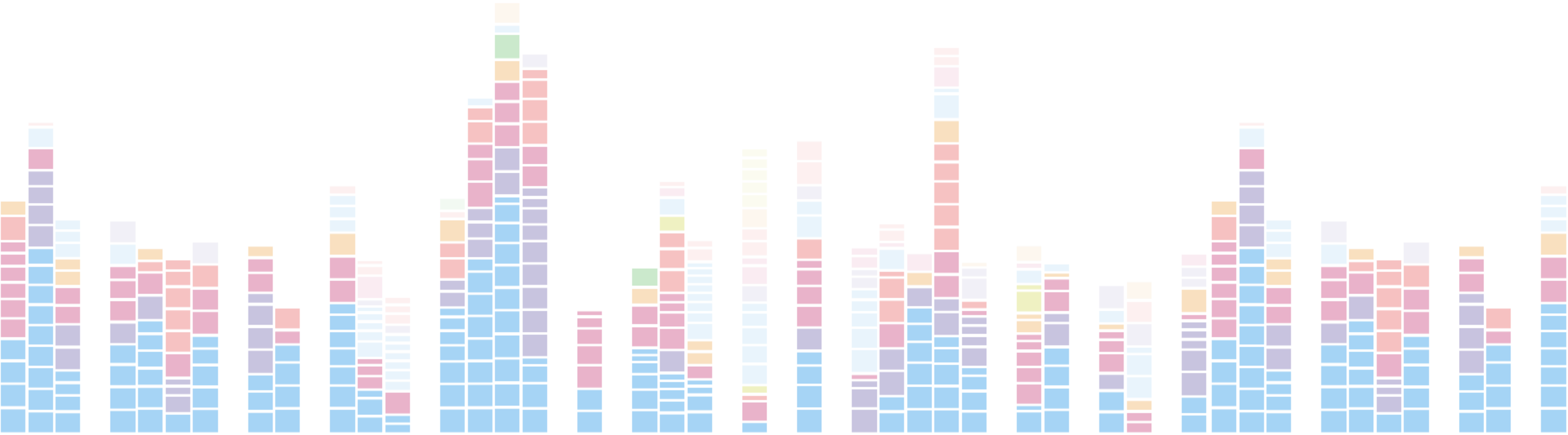
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