Blue Reports, Blue Dashboard, Data Exports: What to Use When

explorance.

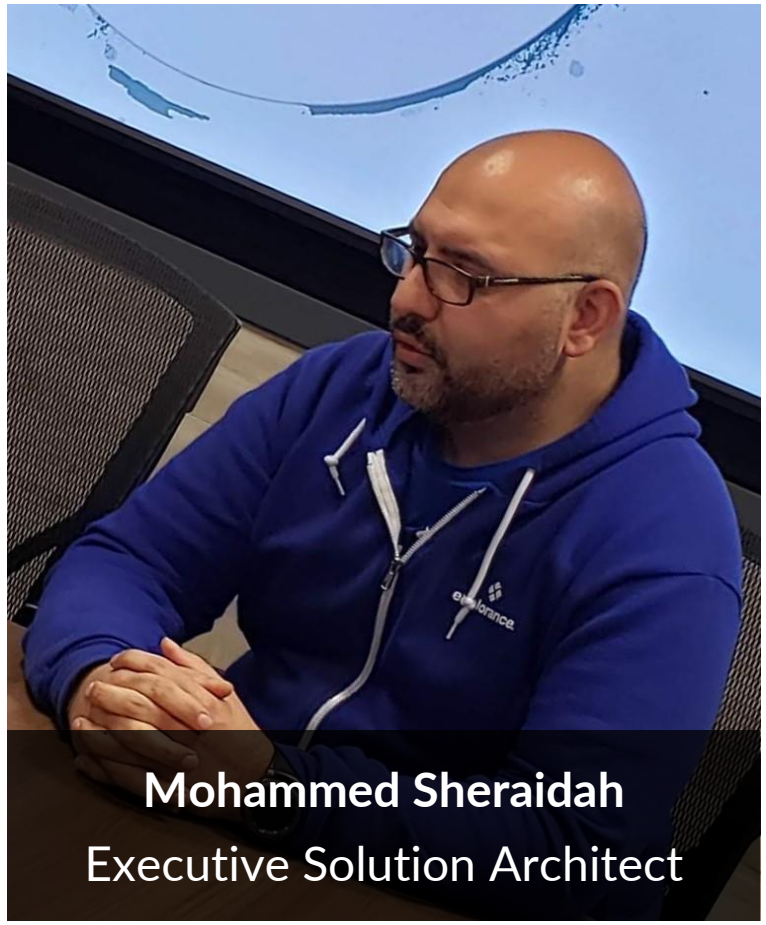
Presenters

Nitin Sharma

VP Product

Long Hua

VP Product Management, Analytics Solutions



Mohammed Sheraidah

Executive Solution Architect

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Agenda

- Intro & Housekeeping
- Blue Reports (Catered)
- Blue Dashboard (Interactive)
- Exports (Extended uses)
- Summary
- Q & A

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Blue Reports

Reports

Purpose Built

- Report Engine, static reports
- Extremely customizable
  - Institutional Reports
  - Departmental Reports
  - Faculty Reports
  - Etc.
- May follow a standard of what data is displayed
  - Aggregated
  - Confidential
- May follow a standard of where/when they can be accessed
  - Email (Scheduling, thresholds, etc.)
  - LMS
  - PDF
  - Downloadable (CSV)

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Reports: Breakdown by Department

Breakdown by department - Computer Science

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Questions about the course - Computer Science

Question	Institutional Average	
	Mean	Median
This course helped me develop my ability to work as a team member	3.72	3.66
This course sharpened my analytical skills	3.76	3.67
This course helped develop my problem solving skills	3.71	3.67
This course improved my skills in written communication	3.34	3.32
Overall	3.63	-

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Breakdown by department - Economics

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Questions about the course - Economics

Question	Institutional Average	
	Mean	Median
This course helped me develop my ability to work as a team member	3.72	3.66
This course sharpened my analytical skills	3.76	3.67
This course helped develop my problem solving skills	3.71	3.67
This course improved my skills in written communication	3.34	3.32
Overall	3.63	-

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Breakdown by department - Engineering

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Questions about the course - Engineering

Question	Institutional Average	
	Mean	Median
This course helped me develop my ability to work as a team member	3.72	3.66
This course sharpened my analytical skills	3.76	3.67
This course helped develop my problem solving skills	3.71	3.67
This course improved my skills in written communication	3.34	3.32
Overall	3.63	-

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Reports: Course Rating Score Analysis

Response Analysis - Course Questions

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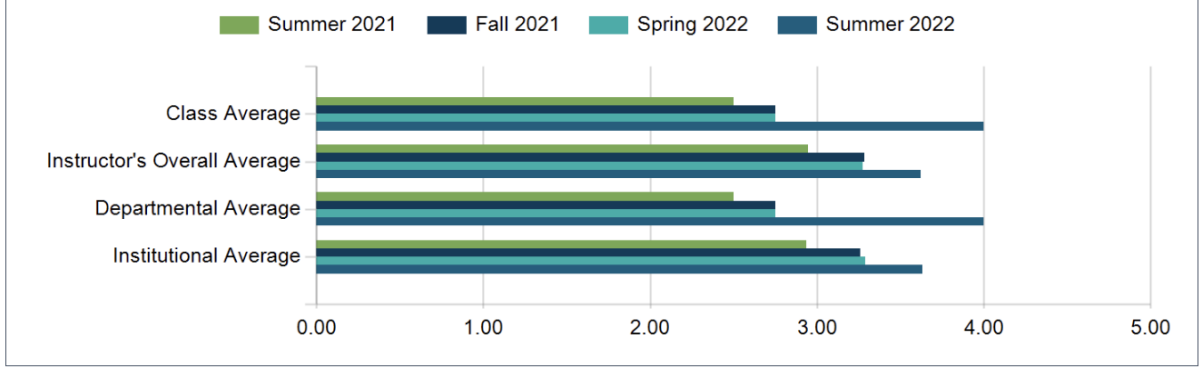
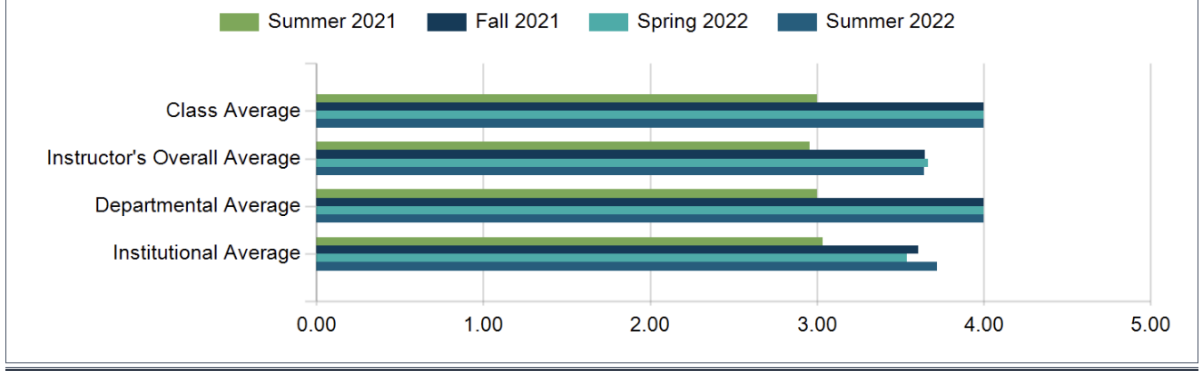
This section shows the overall Course score, which is then broken down by question. Every individual course score is compared to that of the department and of the entire school for the most recent semesters.

Course Rating Score Analysis

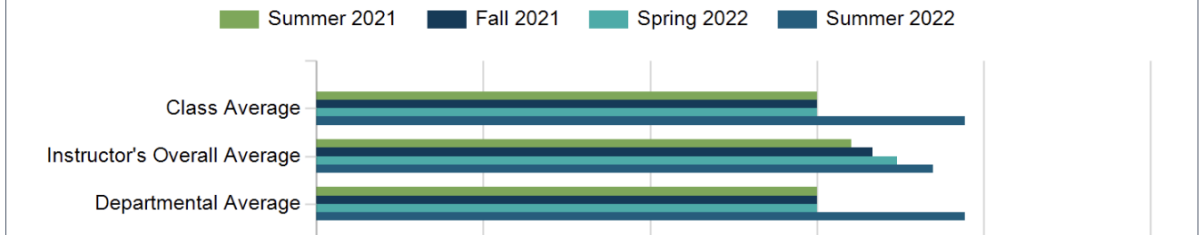
Overall



1. This course helped me develop my ability to work as a team member



2. This course sharpened my analytical skills



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Reports: About the Course

Response Analysis - Course

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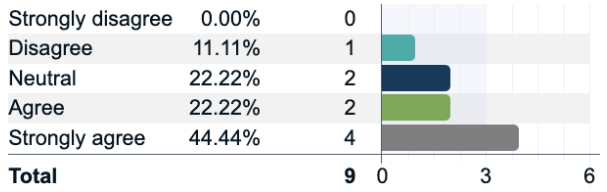
This section displays frequency analysis for all the course questions, with a variety of statistics

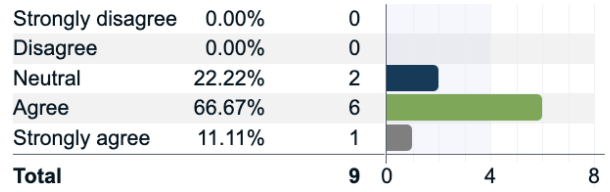
About the course - CS_Eng_A: English for Computer Science

1. This course helped me develop my ability to work as a team member



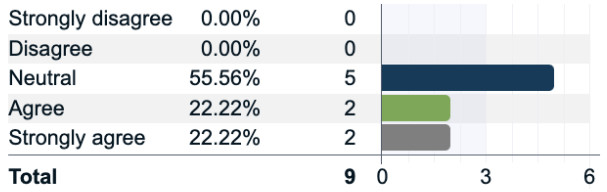
Statistics	Value
Response Count	9
Mean	4.00
Median	4.00
Mode	5
90th Percentile	5.00
Standard Deviation	1.12

2. This course sharpened my analytical skills



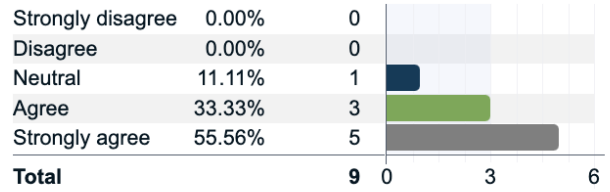
Statistics	Value
Response Count	9
Mean	3.89
Median	4.00
Mode	4
90th Percentile	4.20
Standard Deviation	0.60

3. This course helped develop my problem solving skills



Statistics	Value
Response Count	9
Mean	3.67
Median	3.00
Mode	3
90th Percentile	5.00
Standard Deviation	0.87

4. This course improved my skills in written communication



Statistics	Value
Response Count	9
Mean	4.44
Median	5.00
Mode	5
90th Percentile	5.00
Standard Deviation	0.73

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Reports: Cross Tabulation

Cross Tabulation

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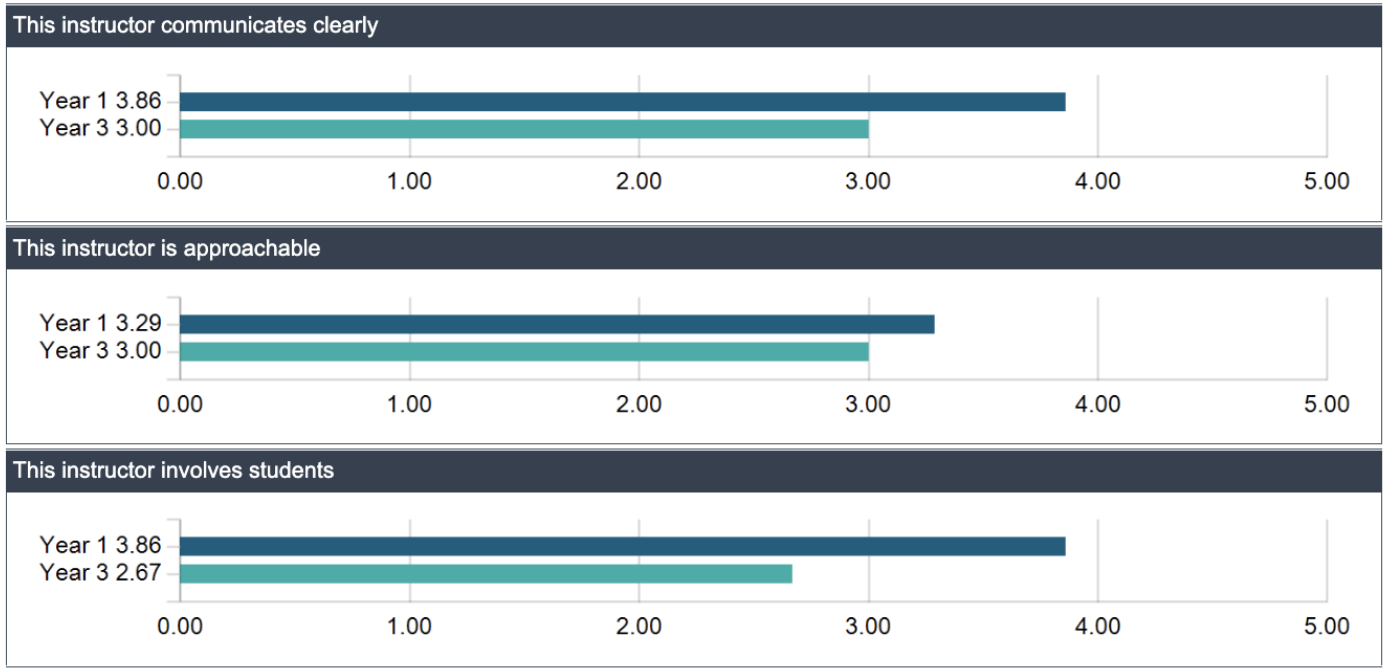
Instructor Questions

Breakdown by year of study



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Tabular Format

Question	Year 3	Year 1
This instructor communicates clearly	3.00	3.86
This instructor is approachable	3.00	3.29
This instructor involves students	2.67	3.86

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Reports

Covers all the end of evaluation/survey needs

- Power reports blocks enabling -
  - Breakdown/Aggregation
  - Qualitative/Quantitative analysis
  - Static Trend analytics
  - Static Cross-Tabulation
  - Time series analysis based on task dates

And more!

- Demographics
- Importing previous responses
- Multi-project mapping
- Cross listed support

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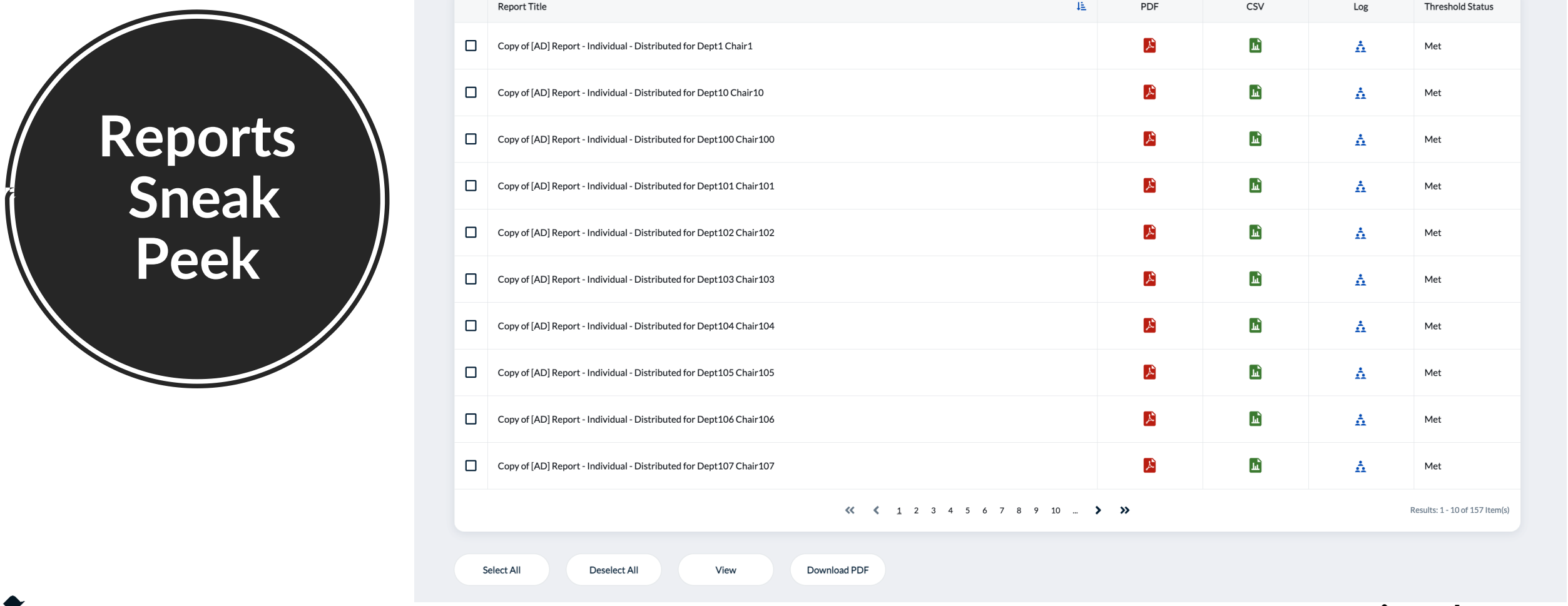
Reports Sneak Peek



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Reports Sneak Peek

explorance.

BTA - Course Instructor Evaluation

Term Evaluation of Electrical Engineering

Report prepared by **John Davidson**
Created Tuesday, January 19, 2021

Survey Audience: **160**
Response Received: **150**
Response Ratio: **90**
Opted out: **10**

Table of Content

01 **Guidelines**

02 **Demographic Information**
- Demographic description
- First Generation Students
- Origin / Residency
- Demographic - reflective questions

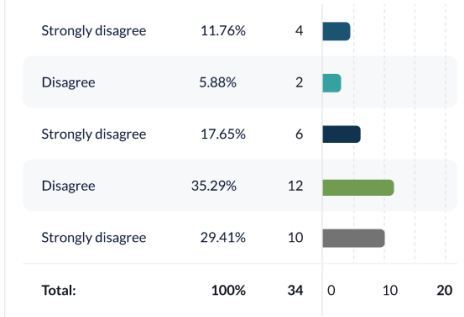
03 **Response Analysis - Course Questions**

XX - Frequency Type Question Block

About the course - PY2106-C-I: Human Development across the Lifespan-C-I

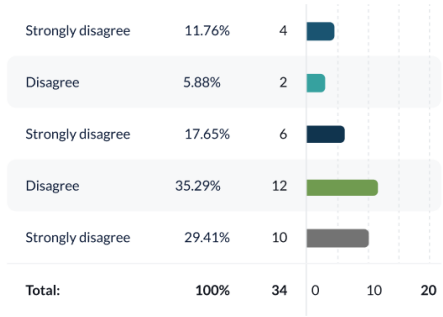
This section displays frequency analysis for all the course questions, with a variety of statistics.

1. This course helped me develop my ability to work as a team member



Statistics	Value
Response Count	34
Mean	3.65
Median	4.00
Mode	4
90th Percentile	5.00
Standard Deviation	1.30

2. This course sharpened my analytical skills



Statistics	Value
Response Count	34
Mean	3.56
Median	3.00
Mode	5
90th Percentile	5.00
Standard Deviation	1.31

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Reports Sneak Peek

XX - Spreadsheet Type Question Block

Primary Subject Single Selection (2nd Scale)

	Responses
Overall	6
Norm Across Subjects by PrimarySubject Field Department - D1	12
Norm Across Subjects by SecondarySubject Field +TeacherRoles - Professor	12
Norm Across Subjects by SecondarySubject Field +TeacherRoles - TA	12
Norm Across Subjects by SecondarySubject Field Faculty - Arts	12
Curabitur id libero eget lorem ultricies euismod ac at velitam pretium quam mi, vel vestibulum ligula ullamcorper eu. Praesent in risus quis sapien aliquam luctus non gravida lectus. Donec eget varius nulla, vel efficitur mi.	12

Primary Subject Single Selection (2nd Scale)

Question 1	Responses
Overall	6
Norm Across Subjects by PrimarySubject Field Department - D1	12
Norm Across Subjects by SecondarySubject Field +TeacherRoles - Professor	12
Norm Across Subjects by SecondarySubject Field +TeacherRoles - TA	12
Norm Across Subjects by SecondarySubject Field Faculty - Arts	12
Curabitur id libero eget lorem ultricies euismod ac at velitam pretium quam mi, vel vestibulum ligula ullamcorper eu. Praesent in risus quis sapien aliquam luctus non gravida lectus. Donec eget varius nulla, vel efficitur mi.	12

XX - Statistical Distribution

General Evaluation of the Course

Unit: Breakdown by course Total Count: 100

Question	A-B		C-D		F/NA	
	Count	%	Count	%	Count	%
Donec eget varius nulla, vel efficitur mi. Etiam pellentesque velit bibendum velit luctus, at facilisis nibh vulputate.	34	34.00	13	13.00	23	23.00
Lorem ipsum dolor sit amet, consectetur adipiscing elit	4	4.00	72	72.00	75	75.00
Lorem ipsum dolor sit amet, consectetur adipiscing elit	4	4.00	72	72.00	75	75.00
Lorem ipsum dolor sit amet, consectetur adipiscing elit	4	4.00	72	72.00	75	75.00

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Mindful to avoid long reports

Increasingly, we look at the holistic story

Blue Dashboard

Blue Dashboard (Interactive)

- Blue Dashboard is an **add-on** module that is **complementary** with Blue Reports
- **Self-service** analytics
  - Interactive Dashboard vs Static Report
  - Historical data trend analysis vs Report on one term
- **Share data at scale** and with trust
  - Share data to broad audiences at every level of an institution.
  - Flexible data management capabilities to distribute the right content for the right audience

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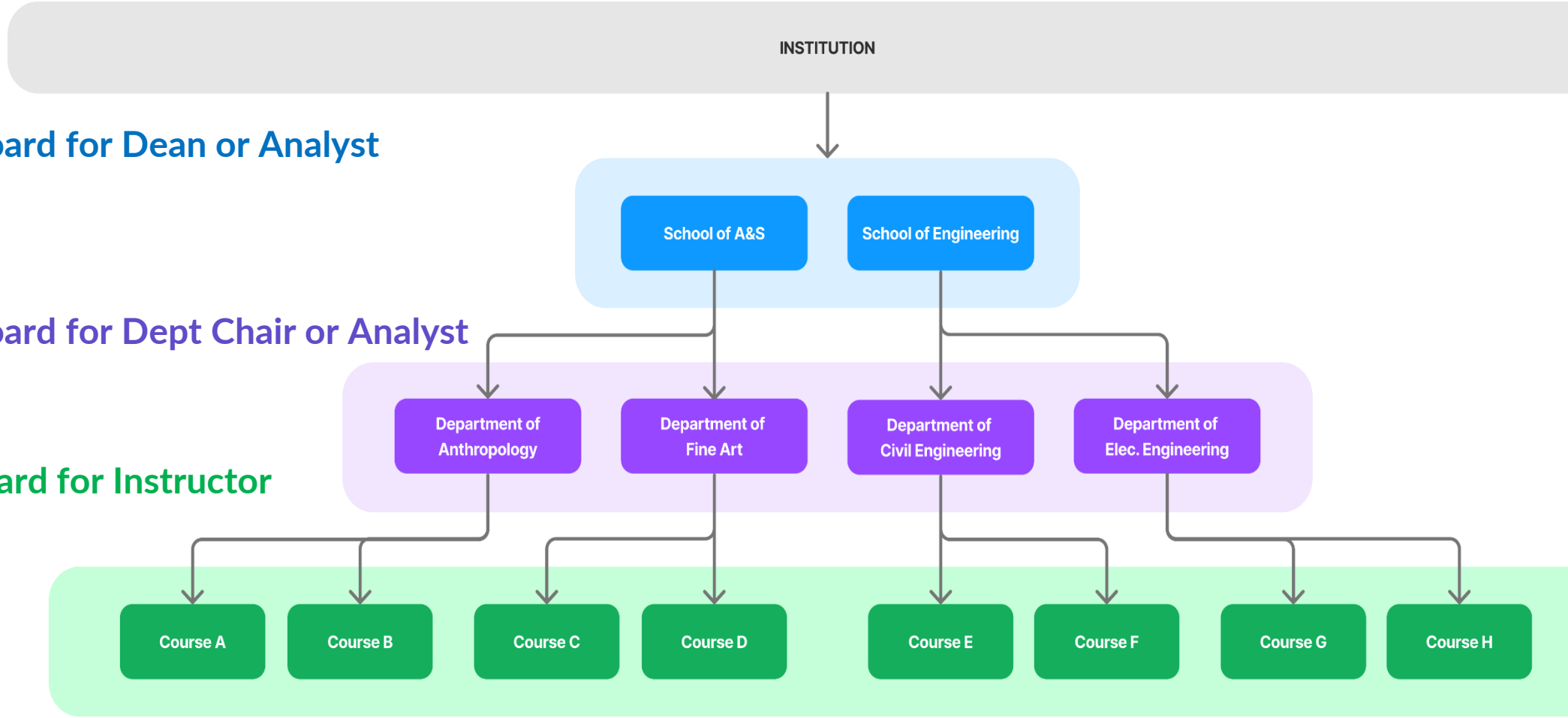
Dashboard understands INSTITUTIONAL HIERARCHY

Aggregate dashboard for Provost or Analyst

Aggregate dashboard for Dean or Analyst

Aggregate dashboard for Dept Chair or Analyst

Individual dashboard for Instructor



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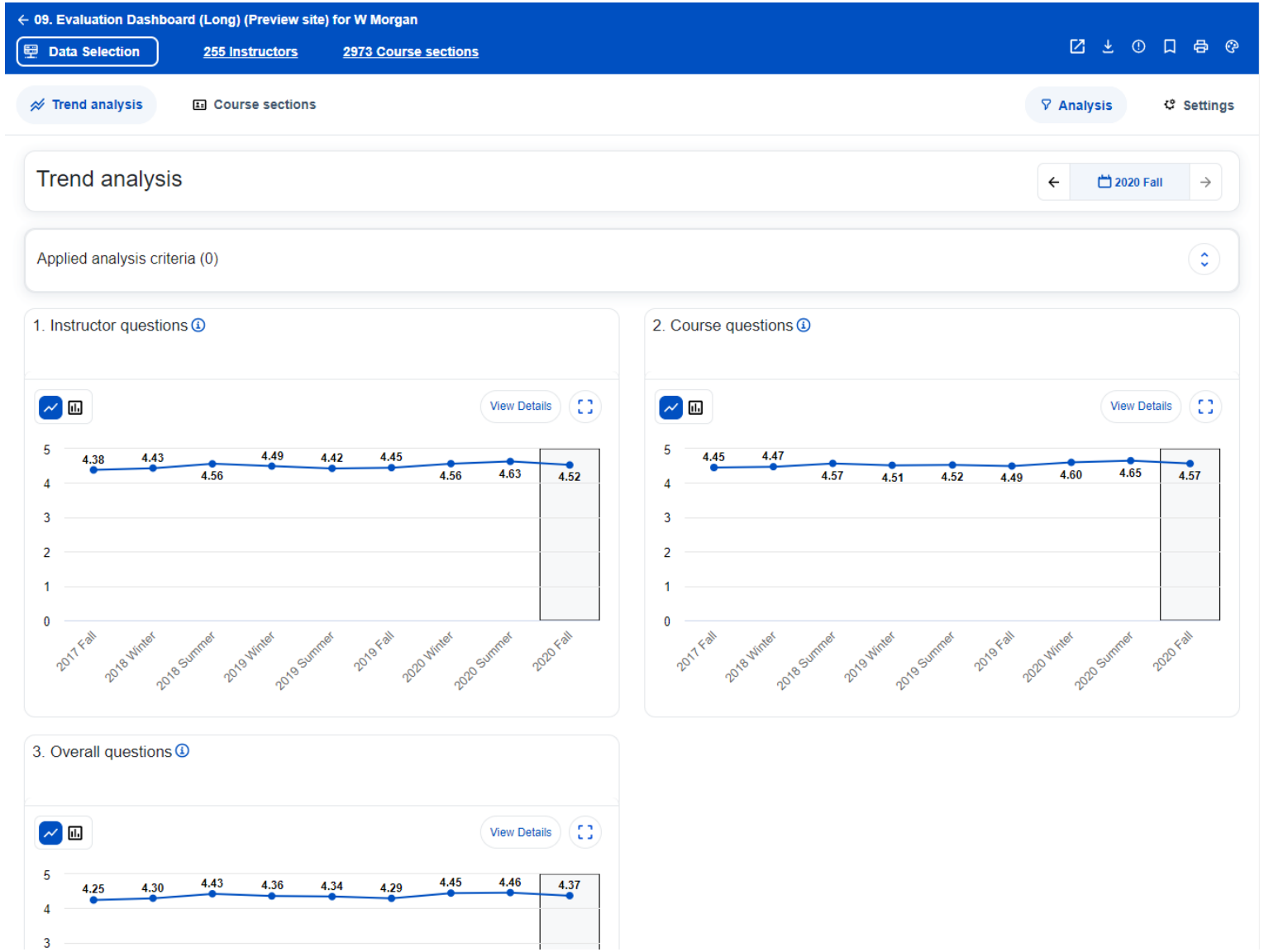
Trend Analysis



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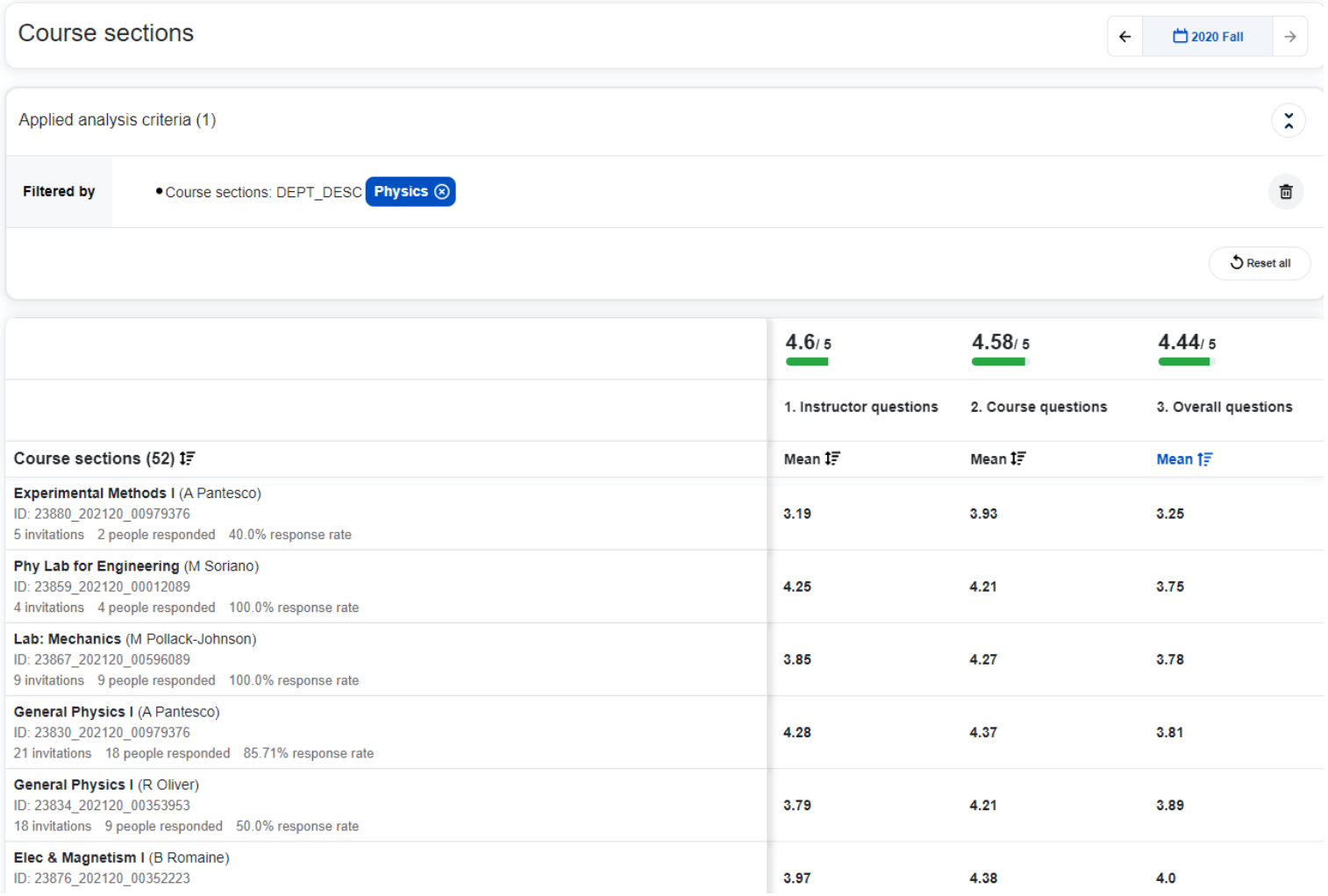
Subject List



	4.6/ 5	4.58/ 5	4.44/ 5
	1. Instructor questions	2. Course questions	3. Overall questions
Course sections (52)	Mean	Mean	Mean
Experimental Methods I (A Pantesco) ID: 23880_202120_00979376 5 invitations 2 people responded 40.0% response rate	3.19	3.93	3.25
Phy Lab for Engineering (M Soriano) ID: 23859_202120_00012089 4 invitations 4 people responded 100.0% response rate	4.25	4.21	3.75
Lab: Mechanics (M Pollack-Johnson) ID: 23867_202120_00596089 9 invitations 9 people responded 100.0% response rate	3.85	4.27	3.78
General Physics I (A Pantesco) ID: 23830_202120_00979376 21 invitations 18 people responded 85.71% response rate	4.28	4.37	3.81
General Physics I (R Oliver) ID: 23834_202120_00353953 18 invitations 9 people responded 50.0% response rate	3.79	4.21	3.89
Elec & Magnetism I (B Romaine) ID: 23876_202120_00352223	3.97	4.38	4.0

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Subject (such as Course) Details

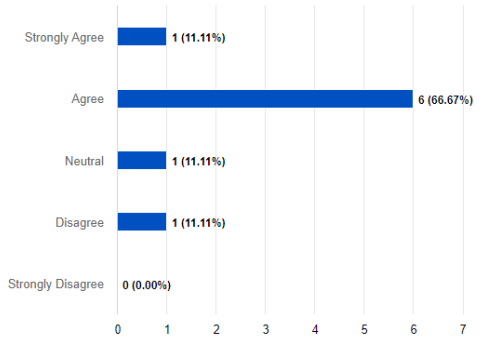
CATS-12-treats students in a respectful manner.

Response count: 9

Statistics	Values
Mean	4.67
Standard deviation	0.50
Median	5.00
Interpolated median	4.75
% Favorable	100.00%
Min	4.00
Max	5.00
Invitations	9
Response rate	100.00%

CATS-13-is available for help outside of class.

Response count: 9

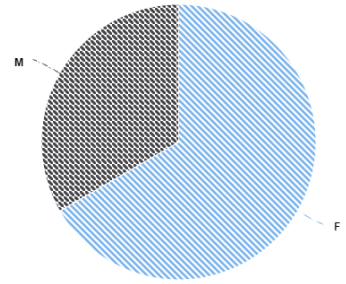


Lab: Mechanics (M Pollack-Johnson)
ID: 23867_202120_00596089

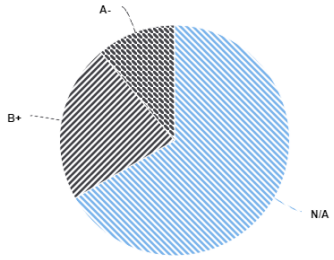
9 invitations 9 people responded 100.0% response rate

Questions Comments Breakdown by Students

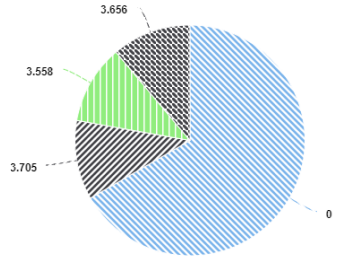
GENDER



GPA Grade



GPA



Lab: Mechanics (M Pollack-Johnson)
ID: 23867_202120_00596089

9 invitations 9 people responded 100.0% response rate

Questions Comments Breakdown by Students

CATS-OE-Please use this space to mention the best features of the course/instructor and the features of the course/instructor that could be improved. Your responses will be reviewed by University officials and by the instructor after grades have been submitted.

- *This course would work much better in person.*
- *just a little clearer with the excel stuff bc a lot of us have never done excel before and more feedback on the lab reports*
- *It could be in person so we get the data ourselves, and also have more chances to ask the professor what to do with the data.*
- *Better concept of using the equipment and hands on experience should really be in person*
- *The equations and calculations could be explained more clearly. It can be kind of confusing when you don't have a science–heavy background.*
- *Find a way to make this course in–person, doing the experiments would be fun as well.*
- *In person learning in the future.*

What did you like least about this course?

- *I do not think that taking this course online was the best option.*
- *The lab manual could be confusing at times.*
- *even though it takes less time, sometimes it was confusing to figure out the lab because we didn't actually do any of the labs, just the data analysis afterward. and sometimes the excel was confusing*
- *I felt that sometimes the instructions on what to do during class time were unclear, and it would take up time during class trying to find out what to do. I also wish it was in*

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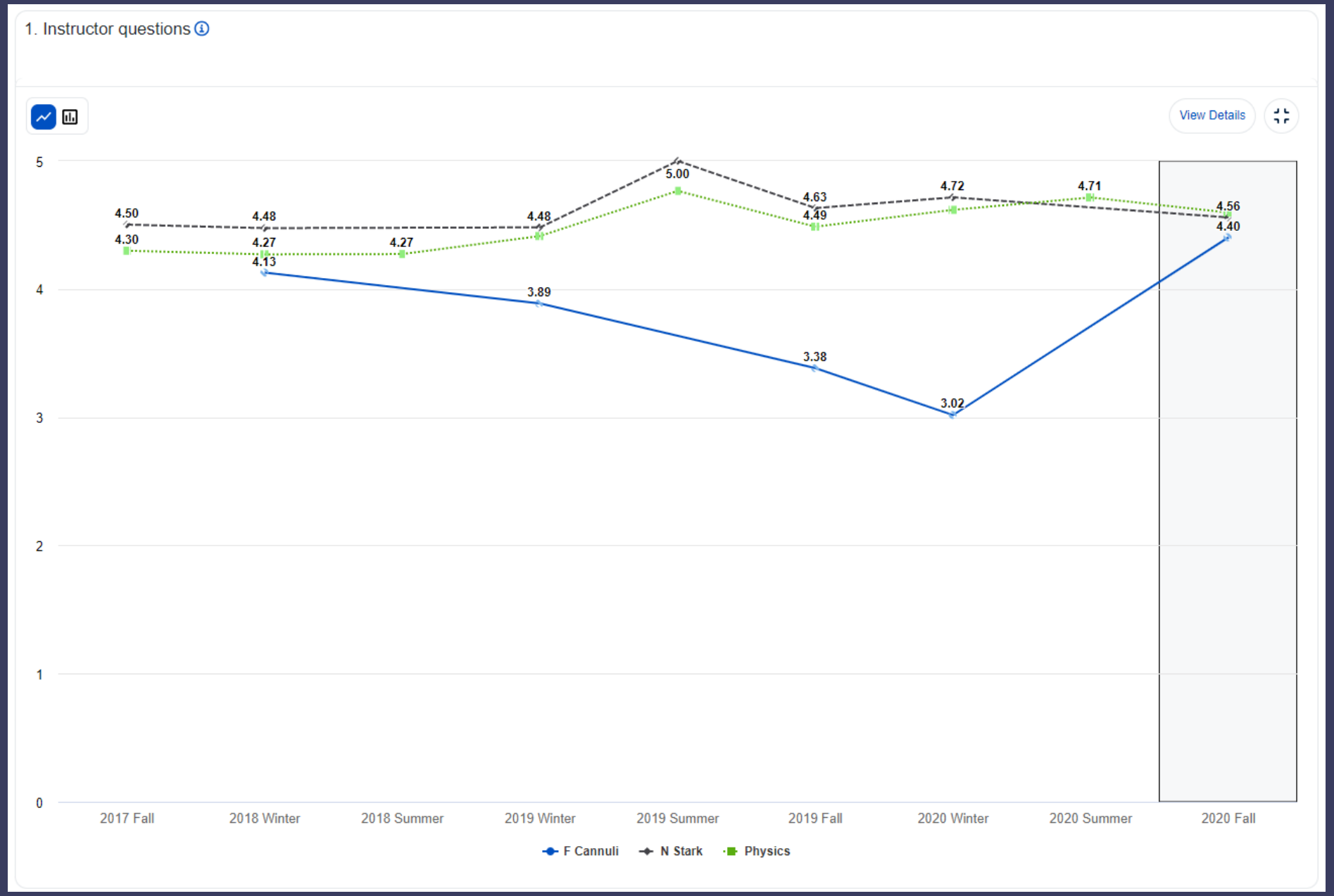

Tenure & Promotion

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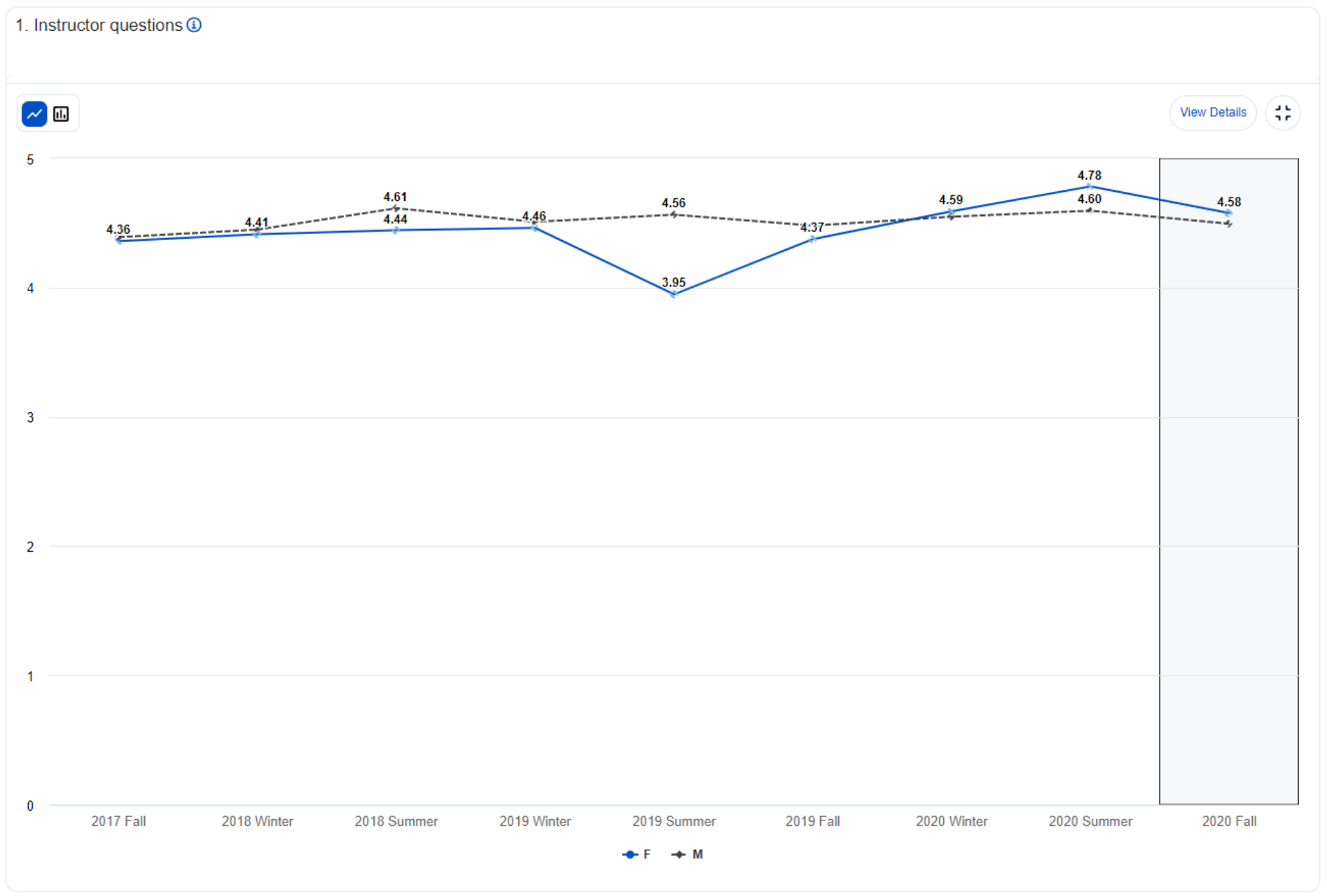

Gender Bias Analysis on Instructor Questions

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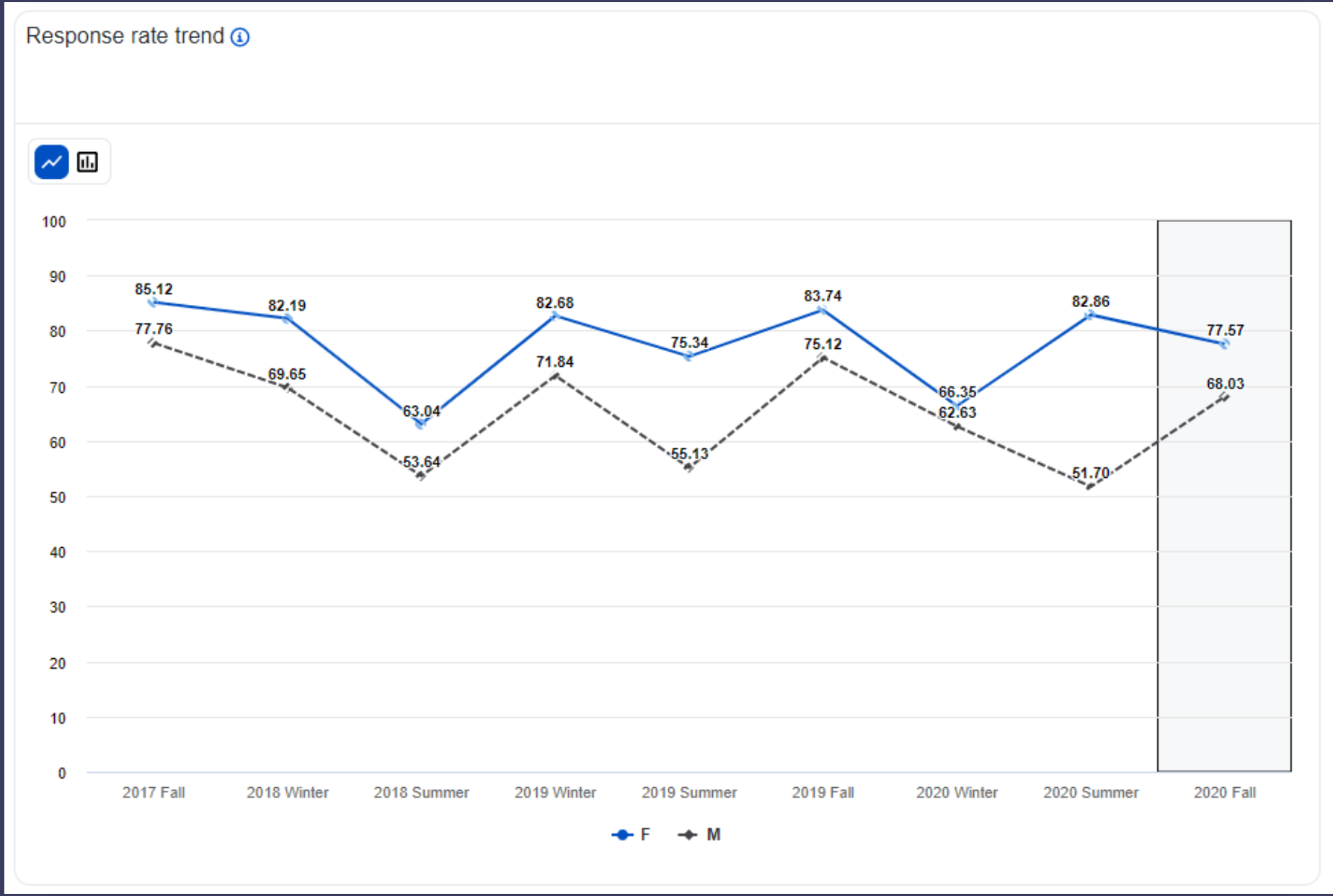

Statistically Meaningful Difference by Gender? To Further Examine Gender Bias Hypothesis on Response Rate

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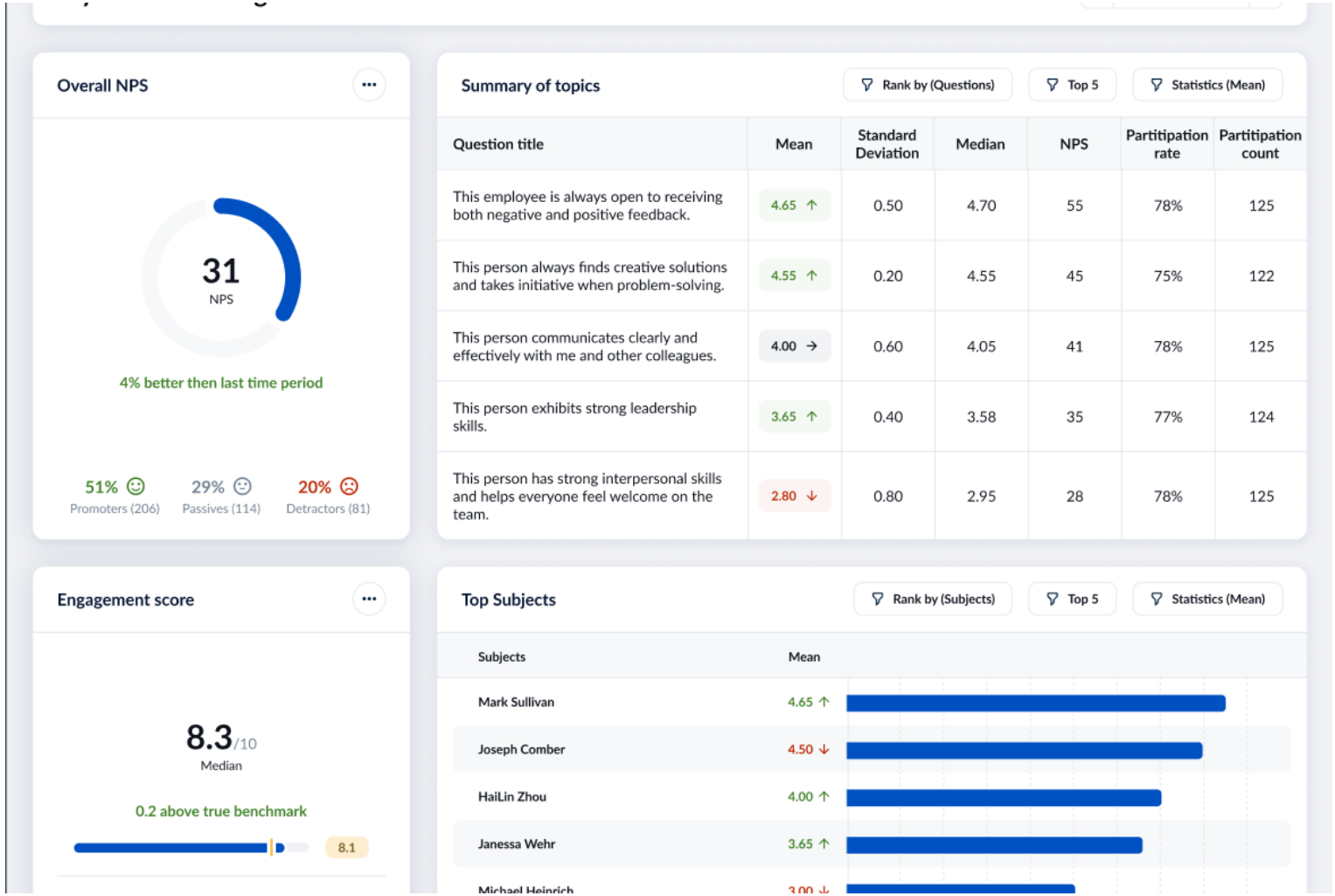
Summary View



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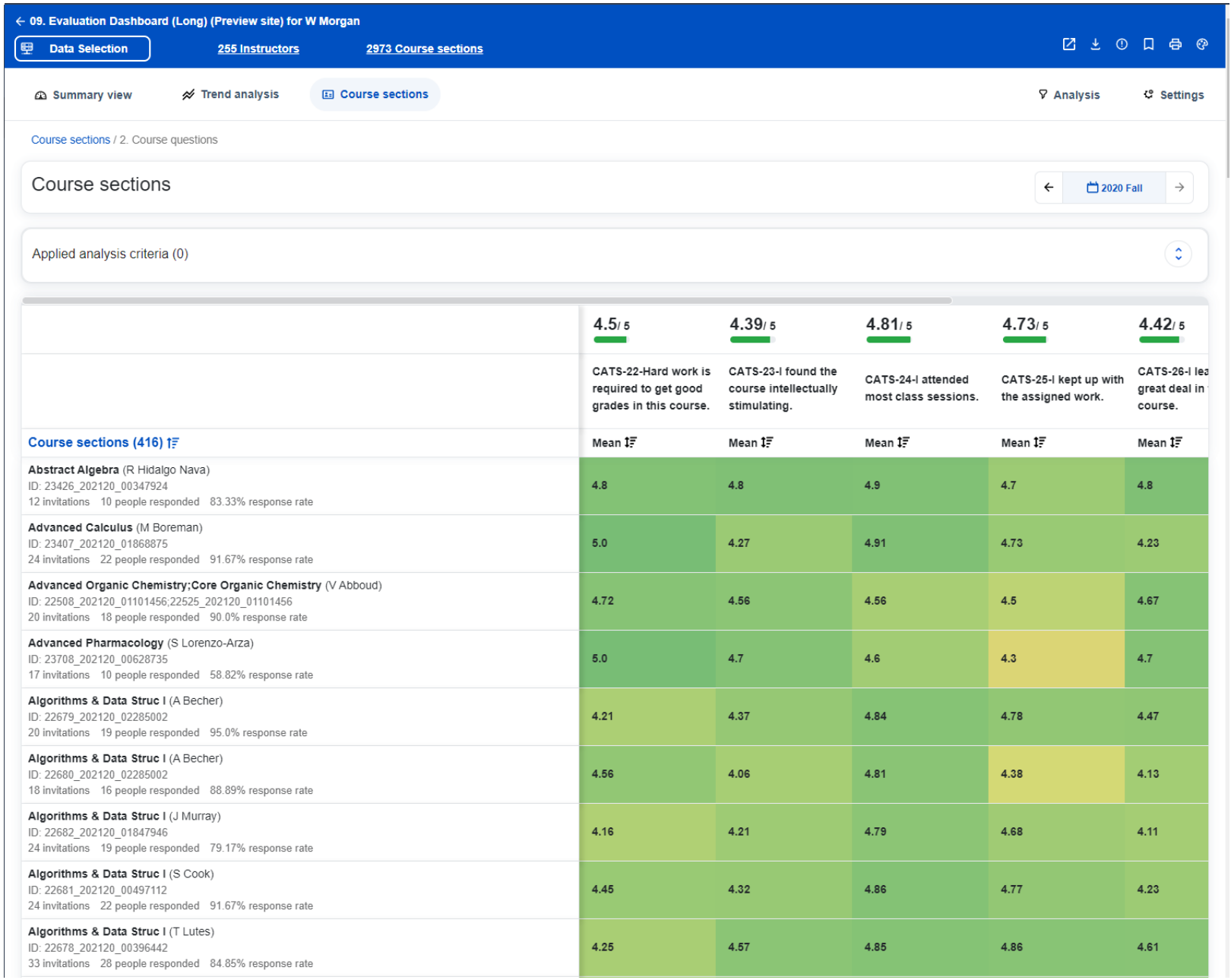
Subject List with Heatmap



	4.5/ 5	4.39/ 5	4.81/ 5	4.73/ 5	4.42/ 5
	CATS-22-Hard work is required to get good grades in this course.	CATS-23-I found the course intellectually stimulating.	CATS-24-I attended most class sessions.	CATS-25-I kept up with the assigned work.	CATS-26-I lea great deal in course.
Course sections (416)	Mean	Mean	Mean	Mean	Mean
Abstract Algebra (R Hidalgo Nava) ID: 23426_202120_00347924 12 invitations 10 people responded 83.33% response rate	4.8	4.8	4.9	4.7	4.8
Advanced Calculus (M Boreman) ID: 23407_202120_01868875 24 invitations 22 people responded 91.67% response rate	5.0	4.27	4.91	4.73	4.23
Advanced Organic Chemistry;Core Organic Chemistry (V Abboud) ID: 22508_202120_01101456;22525_202120_01101456 20 invitations 18 people responded 90.0% response rate	4.72	4.56	4.56	4.5	4.67
Advanced Pharmacology (S Lorenzo-Arza) ID: 23708_202120_00628735 17 invitations 10 people responded 58.82% response rate	5.0	4.7	4.6	4.3	4.7
Algorithms & Data Struc I (A Becher) ID: 22679_202120_02285002 20 invitations 19 people responded 95.0% response rate	4.21	4.37	4.84	4.78	4.47
Algorithms & Data Struc I (A Becher) ID: 22680_202120_02285002 18 invitations 16 people responded 88.89% response rate	4.56	4.06	4.81	4.38	4.13
Algorithms & Data Struc I (J Murray) ID: 22682_202120_01847946 24 invitations 19 people responded 79.17% response rate	4.16	4.21	4.79	4.68	4.11
Algorithms & Data Struc I (S Cook) ID: 22681_202120_00497112 24 invitations 22 people responded 91.67% response rate	4.45	4.32	4.86	4.77	4.23
Algorithms & Data Struc I (T Lutes) ID: 22678_202120_00396442 33 invitations 28 people responded 84.85% response rate	4.25	4.57	4.85	4.86	4.61

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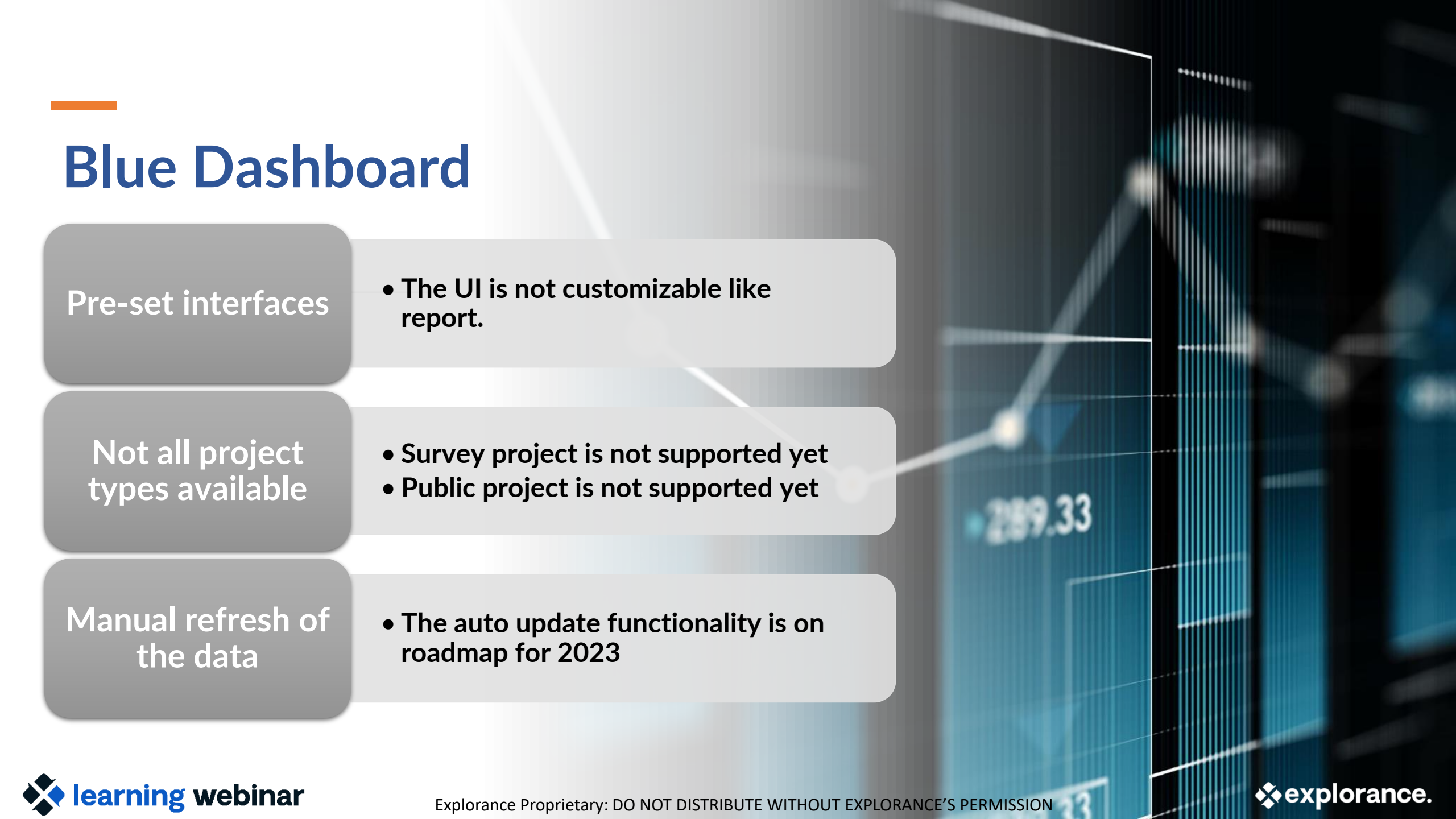
Blue Dashboard

Pre-set interfaces	• The UI is not customizable like report.
Not all project types available	• Survey project is not supported yet • Public project is not supported yet
Manual refresh of the data	• The auto update functionality is on roadmap for 2023



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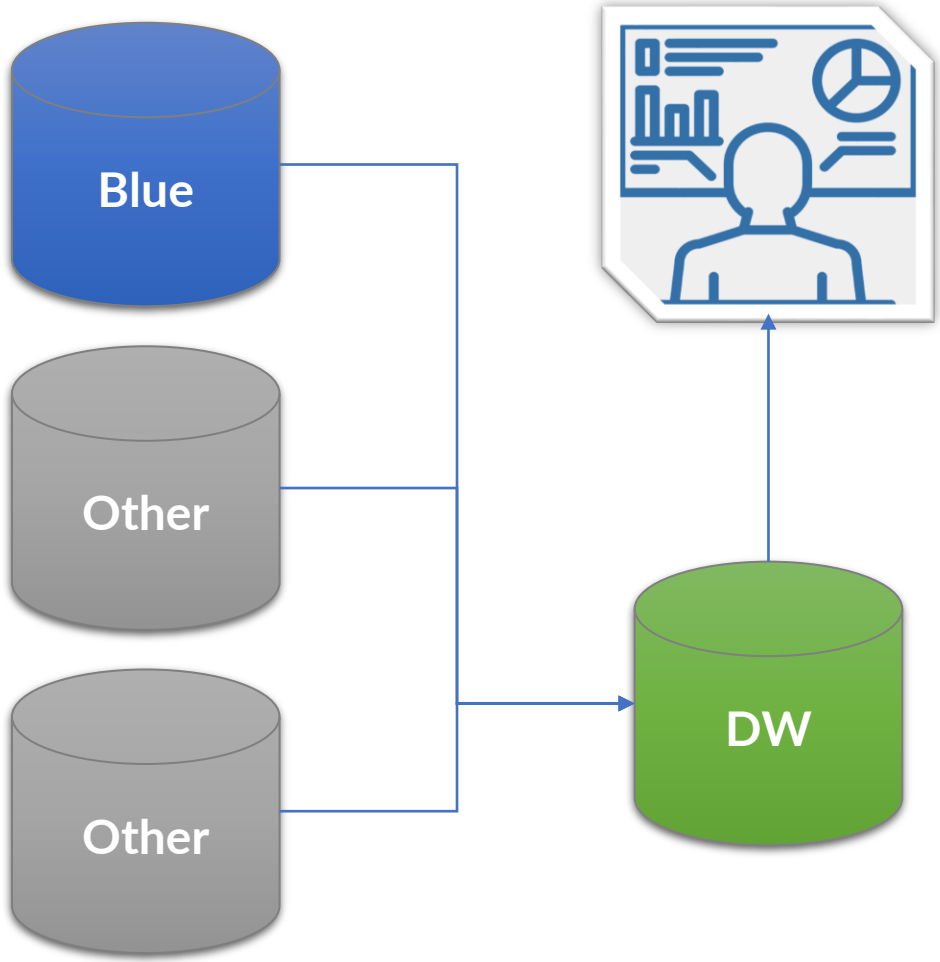
Blue Exports

Extend the Use of Blue Data



Advanced Response Export

- All FO tasks with their statuses
- All Subject and Rater Demographics (Selected)
- All Questions (QP, QBank)
- Captions or Score
- Submission Date
- Project based exports

Allows you to

- Response rate
- All Qualitative/Quantitative analysis
- Demographic Analysis
- Trend analysis on any date field and/or submission date

ETL

- Extract the data from Blue
  - From interface
  - API
- Transform the data
  - To fit the desired structure for the analysis
- Load the data into the target system for analysis

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In Summary

Blue Reports

- Purpose Built
- Static reports
- Extremely customizable
- May follow a standard of what data is displayed/how it is accessed

Blue Dashboard

- Interactive
- Self serviced
- Insight discovery

Exports

- Extending the use of Blue captured data
- Special calculations
- Can be fed into other platforms/systems

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Q & A

Thank you!