

A visual record of all elements of my work

List of Dataset Field Names

The screenshot shows the 'List of Dataset Field Names' page in QuickSight. The dataset is named 'Q - Student Enrollment'. On the left, there are sections for 'Fields' (with 'All fields included'), 'Filters', 'Parameters', 'Community', and 'Query mode'. The main area displays a preview of the dataset with columns: Address, Mobile, StudentName, StudentId, AcademicYear, EnrollmentDate, GraduationDate, and Major. Below the preview, there is a table with two rows of sample data:

Address	Mobile	StudentName	StudentId	AcademicYear	EnrollmentDate	GraduationDate
445 Waubensee...	898-976-0439	Gustaf Atty	5d70038f12...	2020	2020-10-08...	2022-1...
2 Grover Lane	193-169-3799	Cos O'Dono...	8b7ee1bdff...	2022	2022-05-04...	null

Dataset Refresh Schedule

The screenshot shows the 'Dataset Refresh Schedule' page for the dataset 'Q - Student Enrollment'. The top navigation bar includes 'Summary', 'Refresh' (which is selected), 'Permissions', and 'Usage'. A checkbox 'Email owners when a refresh fails' is checked. The 'Schedules' section shows a single entry for a 'Full refresh' occurring 'Weekly (Sun)' at '00:00' in 'Africa/Lagos'. The 'History' section shows two completed refreshes within the last 90 days:

Refresh start	Status	Duration	Skip...	Ingest...	Data...	Refresh type
September 22, 2025 at 2...	Completed	14 seconds	0	7306	7306	Manual, Edit
September 22, 2025 at 10...	Completed	14 seconds	0	7306	7306	Manual, Initial

Student Type Calculated Field Formula

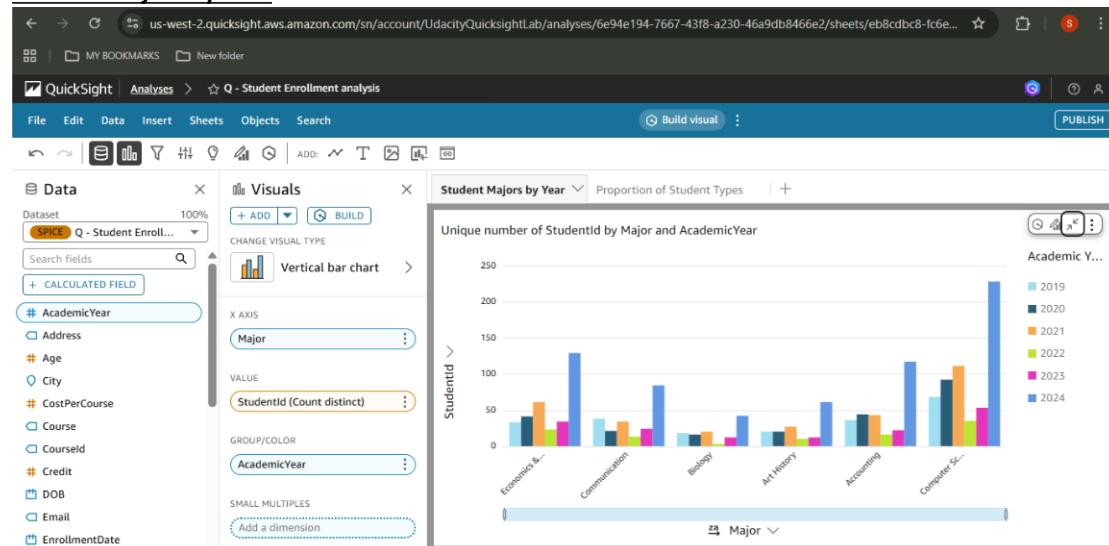
The screenshot shows the 'Edit calculated field' interface in QuickSight. The formula entered is:

```
1 ifelse({Age} < 30, "Youth", "Adult Continuing Education")
```

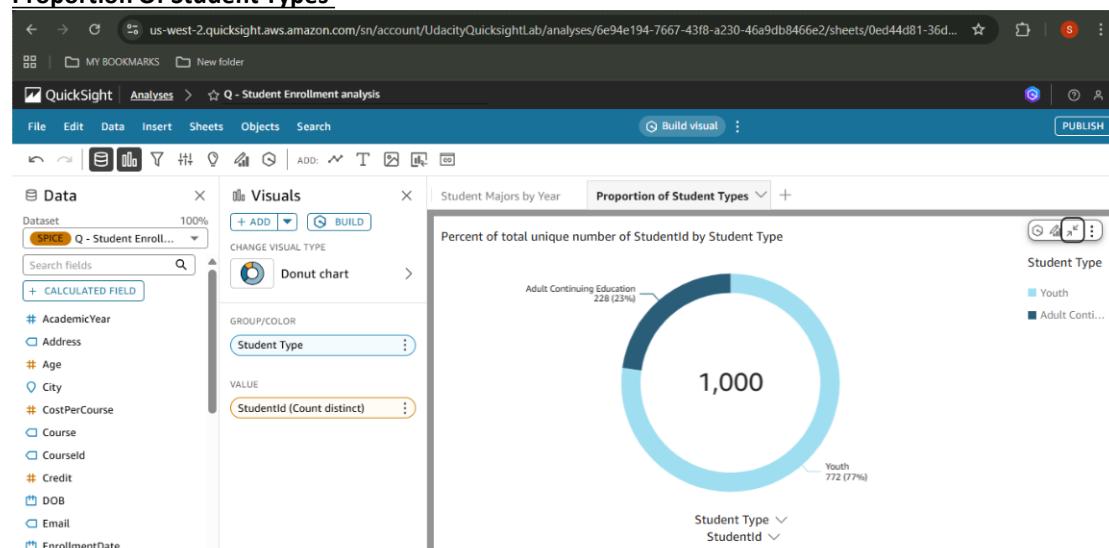
The right sidebar displays the 'Fields' and 'Functions' panes. In the 'Functions' pane, the 'abs' function is selected, with its description 'Returns the absolute value of a given expression.' and syntax 'abs(expression)'.

EACH VISUAL IN MY ANALYSIS

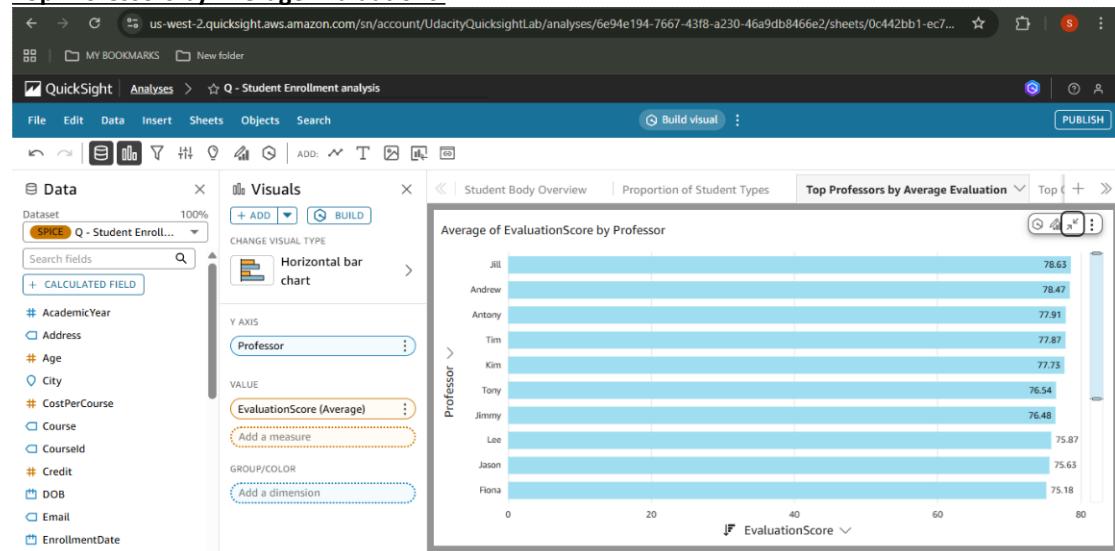
Student Majors by Year



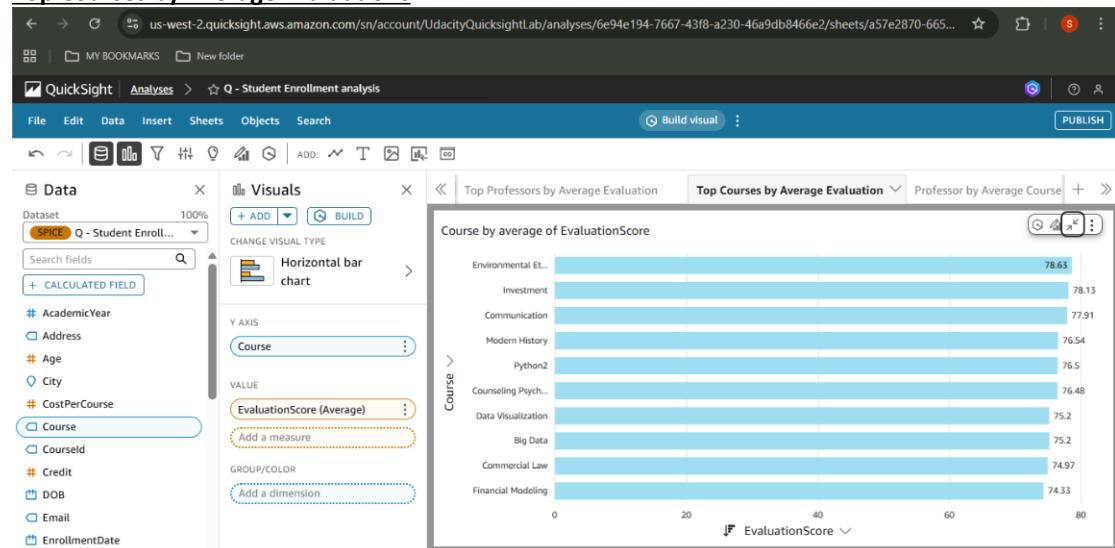
Proportion Of Student Types



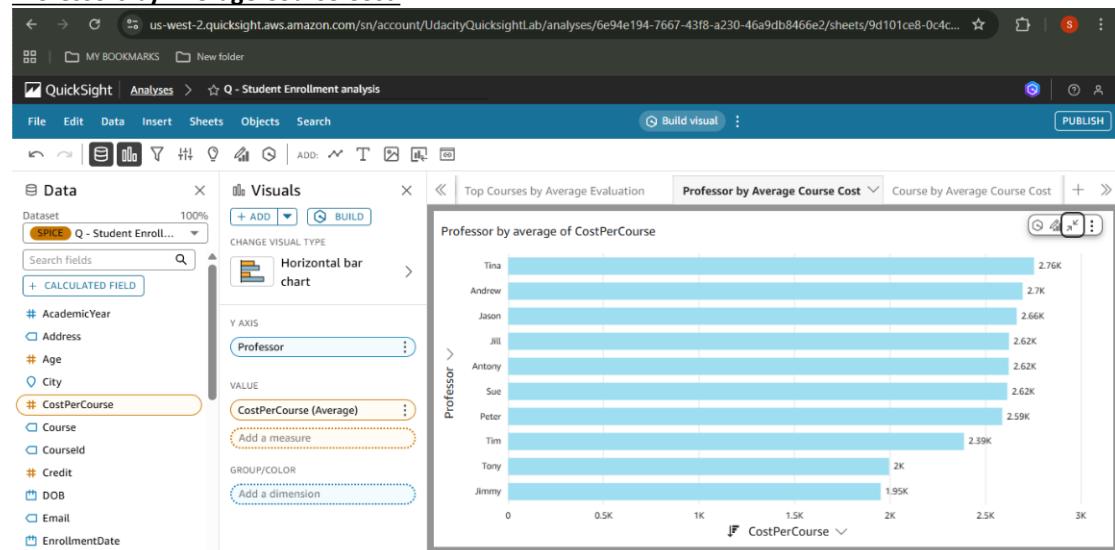
Top Professors by Average Evaluations



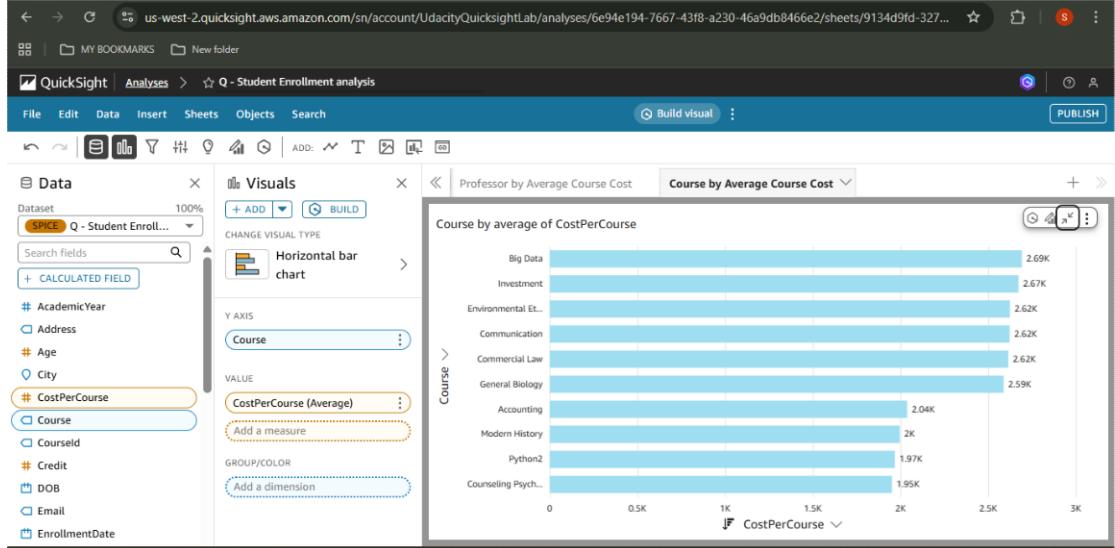
Top Courses by Average Evaluations



Professors by Average Course Cost



Course by Average Course Cost



EACH NAMED ENTITY IN MY TOPIC

Named Entity 1- Student Details

Student	Semester	Course	Test	Grade	Status
Lowe Bon...	Fall	Accounting	99	A	Senior
Lowe Bon...	Fall	Big Data	78	B-	Senior
Lowe Bon...	Fall	Communi...	91	A	Senior
Lowe Bon...	Fall	Communi...	91	A	Senior
Lowe Bon...	Fall	Environm...	84	B	Senior
Lowe Bon...	Fall	Investment	88	B+	Senior
Lowe Bon...	Fall	Modern H...	80	C+	Senior
Lowe Bon...	Fall	Statistics	80	B	Senior
Lowe Bon...	Spring	Commerc...	87	B+	Senior
Lowe Bon...	Spring	Counselin...	99	A	Senior

Named Entity 2-Course Details

Course	Profess...	Cost...	Acad...	Semester	Fall/S...
Accounting	Tim	1935	2019	Fall	2019 Fall ...
Big Data	Jason	2496	2019	Fall	2019 Fall ...
Communi...	Sue	2540	2019	Fall	2019 Fall ...
Communi...	Antony	2536	2019	Fall	2019 Fall ...
Communi...	Antony	2536	2024	Fall	2019 Fall ...
Counselin...	Jimmy	1812	2019	Fall	2019 Fall ...
Data Visua...	Kim	1244	2019	Fall	2019 Fall ...
Environme...	Jill	2856	2019	Fall	2019 Fall ...
Financial ...	Cindy	1298	2019	Fall	2019 Fall ...
Financial ...	Cindy	1298	2024	Fall	2019 Fall ...

Named Entity 3- Professor Evaluation

The screenshot shows the QuickSight Named Entity interface. On the left, there's a sidebar titled "Data" with various dataset fields listed. In the center, a "Named entity" panel is open, showing a search bar with "Professor Evaluation" and a description box containing "use professional evaluation and course context". Below this is a "Table view changes won't affect the field ranking" note and a "FIELD RANKING (6)" section with "#1 Professor" and "#2 Course". To the right is a table titled "Professor Evaluation" with columns: Prof..., Cour..., Seme..., Acad..., Stud..., and Evalu... . The table contains 10 rows of data.

Profe...	Cour...	Seme...	Acad...	Stud...	Evalu...
Jason	Big Data	Fall	2022	Milton Tre...	65.00996...
Tina	Big Data	Fall	2021	Amerigo G...	65.0110589
Peter	General Bi...	Fall	2021	Fitzgerald ...	65.03758...
Tina	Big Data	Fall	2021	Giacobo A...	65.04776...
Jimmy	Counselin...	Fall	2021	Amerigo G...	65.0495074
Jimmy	Counselin...	Fall	2021	Jordain Iv...	65.06974...
Peter	General Bi...	Fall	2023	Lorenzo P...	65.07090...
Jimmy	Counselin...	Fall	2019	Abie Rentoll	65.11109...
Peter	General Bi...	Fall	2022	Manfred G...	65.117597
Jason	Big Data	Fall	2020	Ardyth Sh...	65.15230...

LIST OF VERIFIED ANSWERS

Verified Answer 1

The screenshot shows the QuickSight Verified Answer 1 interface. The question asked is "which course are the most expensive". The results show a bar chart titled "Average of CostPerCourse by Course" with the following data:

Course	Average CostPerCourse
Big Data	2.69K
Investment	2.67K
Environmental Et...	2.62K
Communication	2.62K
Commercial Law	2.62K
General Biology	2.59K
Accounting	2.04K
Modern History	2K
Python2	1.97K
Counseling Psych...	1.95K

Below the chart is another chart titled "Total CostPerCourse by Course and Semester" showing costs across different semesters.

Verified Answer 2

The screenshot shows the QuickSight Verified Answer 2 interface. The question asked is "which instructors got the best average evaluations". The results show a table titled "Average of Credit by Professor Evaluation" with the following data:

Professor	Course	Semester	AcademicYear	StudentName	Ev
Andrew	Investment	Fall	2,020	Alyzia Bouffour	
Andrew	Investment	Fall	2,020	Andriette Lee	
Andrew	Investment	Fall	2,020	Angelia Pennells	
Andrew	Investment	Fall	2,022	Ara Dennitts	
Andrew	Investment	Fall	2,022	Arinda Wooff	
Andrew	Investment	Fall	2,020	Armand Battill	

Verified Answer 3

All topics

Regional Community College

Summary Data User Activity

Improve your topic

Topic details

Count of students by Gender

Interpreted as: unique count of studentid by gender from Q - Student Enrollment

ASK

Verified

There are a total of 1,000 unique students across 2 unique genders. Among the registered students, Female students represent the larger group with 559 students, while Male students account for 441 students.

REVIEW FOR ACCURACY

Unique number of StudentId by Gender

Gender	Unique number of StudentId
Female	559
Male	441

Unique number of ... Unique number of ...

1,000 2

Unique number of StudentId

Unique number of StudentId by Gender and... SHOWING TOP 200 IN ENROLLMENTDATE AND BO...

Unique number of StudentId by Gender and... SHOWING TOP 200 IN ENROLLMENTDATE AND BO...

Unique number of StudentId by Gender and... SHOWING TOP 200 IN ENROLLMENTDATE AND BO...

Verified Answer 4

All topics

Regional Community College

Summary Data User Activity

Improve your topic

Topic details

Ask a question about Regional Community College Student Data

Interpreted as: unique count of studentid by semester from Q - Student Enrollment

ASK

Verified

There are a total of 1,000 unique students across 2 different semesters. The Fall semester had the highest number of registered students with 925 unique students, while the Spring semester followed with 845 unique registered students.

Unique number of StudentId by Semester

Semester	Unique number of StudentId
Fall	925
Spring	845

Unique number of ... Unique number of ...

1,000 2

Unique number of StudentId

Unique number of StudentId by Semester a... SHOWING TOP 200 IN ENROLLMENTDATE AND TOP...

Unique number of StudentId by Semester a... SHOWING TOP 200 IN ENROLLMENTDATE AND TOP...

Unique number of StudentId by Semester a... SHOWING TOP 200 IN ENROLLMENTDATE AND TOP...

Verified Answer 5

All topics

Regional Community College

Summary Data User Activity

Improve your topic

Topic details

Average of TestScore by Student Type

Interpreted as: Average of TestScore by Student Type.

ASK

Verified

There are 2 unique student types with an overall average TestScore of 82.73. Among these student types, Youth achieved the highest average TestScore of 82.79, followed closely by Adult Continuing Education with an average TestScore of 82.54.

REVIEW FOR ACCURACY

Average of TestScore by Student Type

Student Type	Average of TestScore
Youth	82.79
Adult Continuing...	82.54

Average of TestScore Unique number of ...

82.73 2

Average of TestScore by Student Type and E...

Verified Answer 6

Ask a question about Regional Community College Student Data

Average of EvaluationScore by Professor and AcademicYear

Interpreted as: Average of EvaluationScore by Professor and AcademicYear.

ASK

Summary Data User Activity

Improve your topic

The overall average EvaluationScore across all professors and academic years is 75.69. This analysis covers 17 unique professors across 6 unique academic years. Looking at individual performance, Professor Jill achieved the highest average EvaluationScore of 79.50 in the 2023

Topic details

Average of EvaluationScore... Unique number of Profes... Unique number of Acade...
75.69 17 6

Average of EvaluationScore by Professor and AcademicYear

Professor	Academic Year	Evaluation Score
Jill	2023	79.50
Antony	2022	77.92
Kim	2021	77.06
Jimmy	2020	75.53
Jason	2019	78.15
	2018	76.45
	2017	76.73
	2016	76.26

Verified Answer 7

Ask a question about Regional Community College Student Data

What is the average test score by major?

Interpreted as: Average of TestScore by Major.

ASK

Summary Data User Activity

Improve your topic

There are 6 unique majors in the dataset. The overall average TestScore across all majors is 82.73. Among all majors, Biology achieved the highest average TestScore of 83.06.

REVIEW FOR ACCURACY

Average of TestScore by Major

Major	Average TestScore
Biology	83.06
Economics & Fina...	82.83
Communication	82.82
Computer Science	82.7
Art History	82.68
Accounting	82.49

Average of TestScore | Unique number of ...
82.73 6

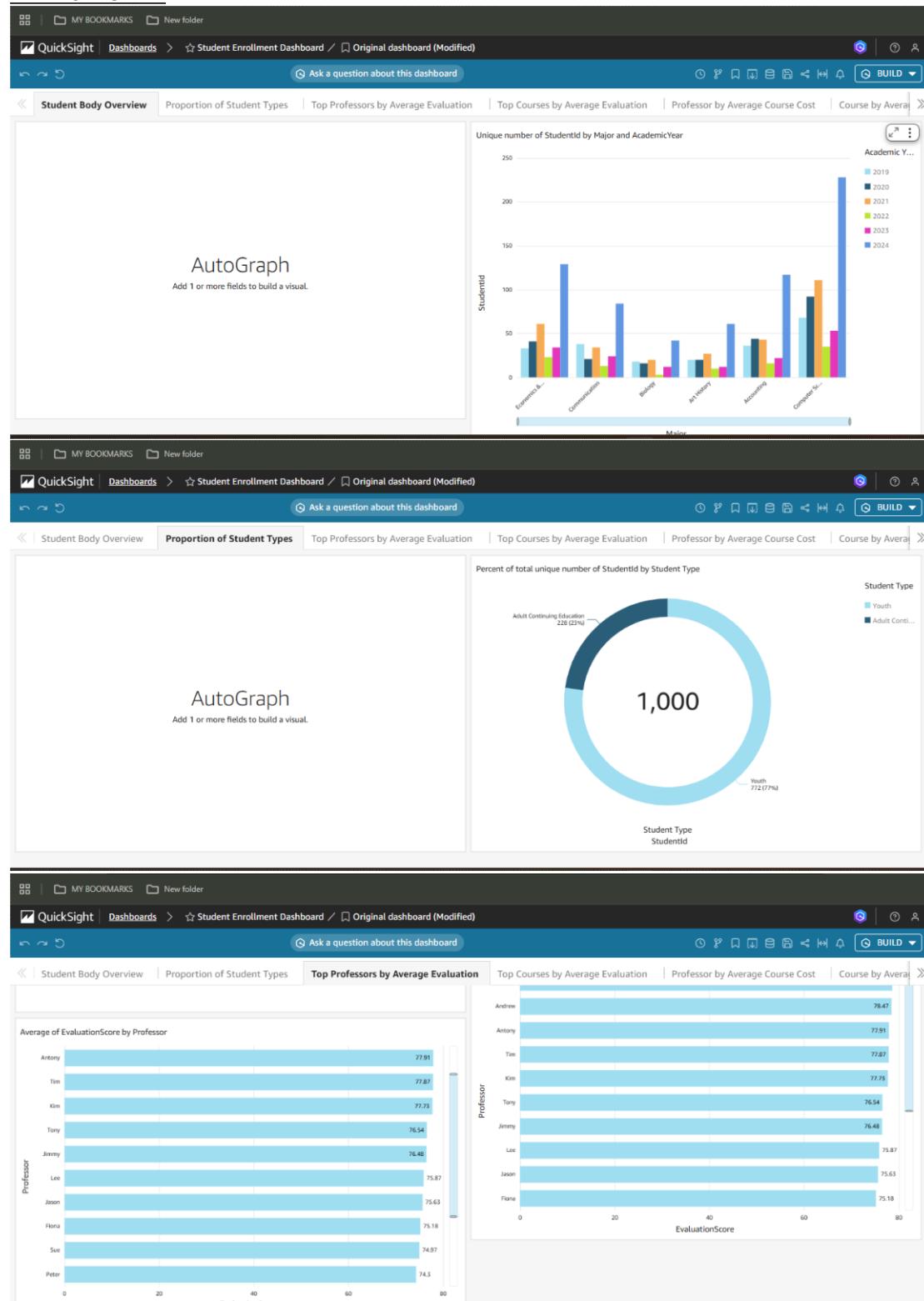
Average of TestScore by Major and EnrollmentDate

SHOWING TOP 200 IN ENROLLMENTDATE AND BO...

120
90
60
30
0

Apr 1 - Jul 1 - Oct 1 - Jan 1 - Apr 1 - Jul 1 - Oct 1 - Nov 2

MY DASHBOARD



QuickSight | Dashboards > Student Enrollment Dashboard / Original dashboard (Modified)

Ask a question about this dashboard

Student Body Overview | Proportion of Student Types | Top Professors by Average Evaluation | Top Courses by Average Evaluation | Professor by Average Course Cost | Course by Average

AutoGraph

Add 1 or more fields to build a visual.

Professor	EvaluationScore	EvaluationScore...
Jill	78.63	36,168.51
Andrew	78.47	13,967.27
Antony	77.91	71,677.97
Tim	77.87	27,411.97
Kim	77.73	24,483.53
Tony	76.54	31,153.61
Jimmy	76.48	36,709.44
Lee	75.87	56,448.21
Jason	75.63	23,068.28
Fiona	75.18	18,568.78

QuickSight | Dashboards > Student Enrollment Dashboard / Original dashboard (Modified)

Ask a question about this dashboard

Student Body Overview | Proportion of Student Types | Top Professors by Average Evaluation | Top Courses by Average Evaluation | Professor by Average Course Cost | Course by Average

AutoGraph

Add 1 or more fields to build a visual.

Course	EvaluationScore
Environmental Sci...	78.63
Investment	78.13
Communication	77.91
Modern History	76.54
Python2	76.5
Counseling Psych...	76.48
Data Visualization	75.2
Big Data	75.2
Commercial Law	74.97
Financial Modeling	74.33

QuickSight | Dashboards > Student Enrollment Dashboard / Original dashboard (Modified)

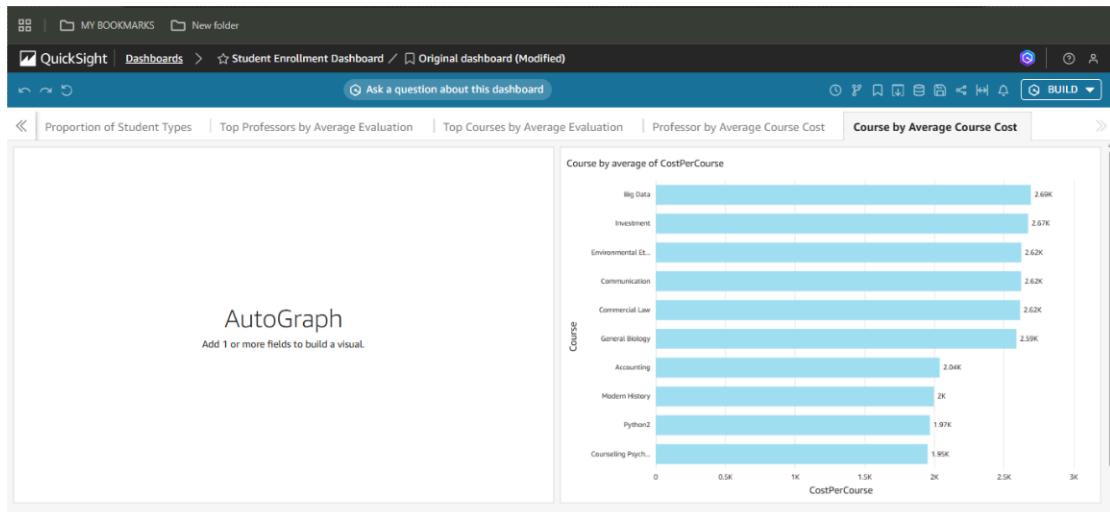
Ask a question about this dashboard

Student Body Overview | Proportion of Student Types | Top Professors by Average Evaluation | Top Courses by Average Evaluation | Professor by Average Course Cost | Course by Average

AutoGraph

Add 1 or more fields to build a visual.

Professor	CostPerCourse
Tina	2.76K
Andrew	2.7K
Jason	2.66K
Jill	2.62K
Antony	2.62K
Sue	2.62K
Peter	2.59K
Tim	2.59K
Tony	2K
Jimmy	1.95K



Starter Question of my Scenario

File Data View

SHARE

Describe the problem you need to solve, and we will do the analysis for you

How do we improve professor evaluations, while avoiding an increase in cost per course?

Use the Data pane to add more data

FOLLOW-UP QUESTIONS IN THE THREAD

File Data View

SHARE

How do we improve professor evaluations, while avoiding an increase in cost per course?

Step 1: Analyze the correlation between professor evaluation scores and course costs to identify improvement opportunities without increasing expenses

Assumptions:

- The weak positive correlation (0.1642) between evaluation scores and costs suggests that simply increasing spending may not be the most effective approach to improving evaluations.

Summary of results:

Analysis of 7,306 courses shows evaluation scores averaging 75.7 (range: 65.0-98.7) with course costs averaging \$2,064 (range: \$1,206-\$2,864), with only a weak correlation (0.16) between higher costs and better evaluations.

Step 2: Identify professors with high evaluation scores but lower costs to find cost-effective teaching approaches

Professor	EvaluationScore	CostPerCourse	NumberOfStudents
Jill	78.65	2624.03	460
Andrew	78.47	2695.28	178

FOLLOW -UP QUESTION 2

What factors contribute to high professor evaluation scores? Compare high evaluation scores with course costs and majors.

Step 1: Analyze evaluation scores and costs across academic majors to identify which programs deliver the best value.

Major	EvaluationScore	CostPerCourse	NumberOfStudents
Biology	76.55	2069.81	491
Art History	75.88	2061.57	648
Economics & Finance	75.87	2070.03	1397
Communication	75.69	2039.57	969
Computer Science	75.52	2070.06	2581
Accounting	75.39	2061.96	1220

How do student grades correlate with professor evaluation scores across different majors?

Step 1: Calculate the correlation between student grades and professor evaluation scores across different academic majors

Major	Grade	EvaluationScore	NumberOfStudents
Computer Science	A	75.41	245
Computer Science	B	75.38	801
Computer Science	B+	75.55	534
Computer Science	B-	75.71	549
Computer Science	C	76.07	125
Computer Science	C+	75.26	253
Computer Science	F	75.74	74
Accounting	A	75.83	125
Accounting	B	74.95	760

Show a scatter plot of Average EvaluationScore (Y axis) vs Average CostPerCourse (X axis) for Professors. Show only Professors with at least 10 evaluations. Add a trendline.

Step 1: Create a scatter plot showing the relationship between course costs and evaluation scores for professors with at least 10 evaluations

Professor	Average CostPerCourse	Average EvaluationScore
Jill	~100	~75
Andrew	~200	~75
Antony	~300	~75
Tim	~400	~75
Kim	~500	~75
Tony	~600	~75
Jimmy	~700	~75
Lee	~800	~75
Jason	~900	~75
Fiona	~1000	~75

QuickSight Scenarios > Improving Student Satisfaction Without Increasing ...

Filter to Major = Humanities only. Show Average EvaluationScore and Average CostPerCourse for courses in Humanities. Then show the same for STEM majors.

Step 1: Identify all unique academic majors in the dataset and search for any Humanities-related programs
 Step 2: Compare evaluation scores and costs between Humanities and STEM majors to identify performance differences across academic disciplines

Major	EvaluationScore	CostPerCourse	NumberOfStudents
Art History	75.88	2061.57	648
Communication	75.69	2039.57	969

Major	EvaluationScore	CostPerCourse	NumberOfStudents
Computer Science	75.52	2070.06	2581
Accounting	75.39	2061.96	1220

Based on the visuals and patterns above, what are three low-cost, e...

Based on the visuals and patterns above, what are three low-cost, evidence-backed actions the college can take to increase EvaluationScore without increasing CostPerCourse? For each action list the key metric to track and a pilot design (size, duration).

Step 1: Analyze class sizes, credit hours, and teaching methods to identify factors that improve professor evaluations without increasing costs

ClassSizeBin	EvaluationScore	CostPerCourse	NumberOfClasses
1-10	73.81	1304	2
11-15	75.27	1306.67	3
16-20	76.78	2085.12	17
21-25	75.17	1943.2	10
26-30	75.67	1747.44	16
31-40	75.46	1933.88	24

[Eval & Cost by Cohort (Year split)] Compare Average EvaluationScore...

[Eval & Cost by Cohort (Year split)] Compare Average EvaluationScore and Average CostPerCourse for AcademicYear ≤ 2010 vs AcademicYear > 2010. Do relationships hold across cohorts? → After run: expect two cohort groups, with Eval & Cost metrics. If only one side, fix filter or grouping.

Step 1: Compare professor evaluation scores and course costs between different academic year cohorts to identify trends over time.

Cohort	EvaluationScore	CostPerCourse	NumberOfStudents
> 2021.0	76.1	2069.03	2683
≤ 2021.0	75.45	2060.9	4623

Evaluationscore and Costpercourse by Cohort

Evaluationscore... Costpercou...

QuickSight Scenarios > Improving Student Satisfaction Without Increasing ...

File Data View SHARE

[Eval Correlation with Grade / TestScore] Does EvaluationScore correlate with Average Grade or Average TestScore? Show correlation or scatter plots for EvaluationScore vs Grade and EvaluationScore vs TestScore, → After run: look for scatter or correlation visualization. If only one, ask separately for each vs Eval.

Step 1: Analyze the correlation between professor evaluation scores and student performance metrics (grades and test scores) to determine if higher-performing classes give better evaluations.

Professor	EvaluationScore	AvgNumericGrade	AvgTestScore
Andrew	78.47	2.97	82.97
Antony	77.91	2.92	82.89
Cindy	73.59	2.96	83.15
Fiona	75.18	2.9	82.64
Jack	73.54	2.87	82.4

Based on the visuals and patterns above, what are three low-cost, e...

Based on the visuals and patterns above, what are three low-cost, evidence-backed actions the college can take to increase EvaluationScore without increasing CostPerCourse? For each action list the key metric to track and a pilot design (size, duration).

Step 1: Providing three evidence-backed recommendations to improve professor evaluation scores without increasing costs, each with tracking metrics and pilot designs.

Three Low-Cost Actions to Increase Professor Evaluation Scores
Based on my analysis of the student enrollment data, here are three evidence-backed actions the college can take to improve professor evaluation scores without increasing costs:
Action 1: Optimize Class Sizes to 16-20 Students
Evidence: Classes with 16-20 students have the **highest evaluation scores (76.8)** compared to other class sizes. While these classes have moderate costs (\$2,085), they provide the best student experience as measured by evaluations.
Key Metric: Average evaluation score for restructured classes compared to control groups.
Pilot Design:

MY COMPLETE DATA STORY

Cover Page

QuickSight Data stories > Class Size Evolution: Data-Driven Insights in Huma...

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Class Size Evolution: Data-Driven Insights in Humanities Education

Prepared by Stephen Oyim

Introduction - Rethinking Class Sizes in Humanities

QuickSight | Data stories > Class Size Evolution: Data-Driven Insights in Huma...

BACK TO EDITOR SHARE

Introduction - Rethinking Class Sizes in Humanities

The changing world of higher education calls for a new look at old beliefs about class sizes in humanities courses. Today's universities must find a balance between giving students a great learning experience and staying financially stable. By studying how class sizes affect learning results in humanities courses, we can find ways to improve student satisfaction while also making better use of resources.

Current Enrollment Landscape

Unique number of StudentId by Major and AcademicY...

A vertical bar chart titled "Unique number of StudentId by Major and AcademicY...". The y-axis represents the count of unique student IDs, ranging from 0 to 250. The x-axis lists various majors. For each major, there are six bars representing the years 2019 through 2024. The chart shows significant fluctuations in enrollment across different majors over the six-year period.

AcademicY...
2019
2020
2021
2022
2023
2024

The vertical bar graph visualization effectively illustrates enrollment patterns across different majors and academic years, providing a foundational understanding of our current class size distribution.

Current Enrollment Landscape

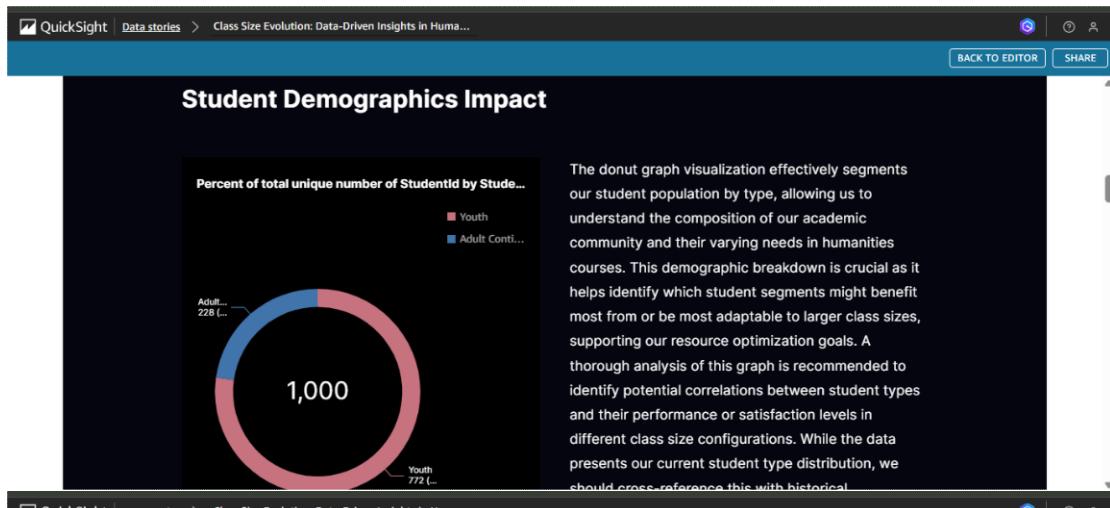
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AcademicY...
2019
2020
2021
2022
2023
2024

The vertical bar graph visualization effectively illustrates enrollment patterns across different majors and academic years, providing a foundational understanding of our current class size distribution. This multi-dimensional view is particularly valuable as it allows us to identify trends in humanities enrollment compared to other disciplines, while simultaneously tracking changes over academic periods. Before making any recommendations about class size modifications, it is essential to carefully analyze this enrollment data to identify potential capacity optimization opportunities. A thorough review of the graph's specific enrollment figures and year-over-year patterns will be necessary to determine where class size adjustments could be most effectively implemented. This baseline enrollment landscape serves as a critical starting point for our analysis of potential cost optimizations while maintaining educational quality.

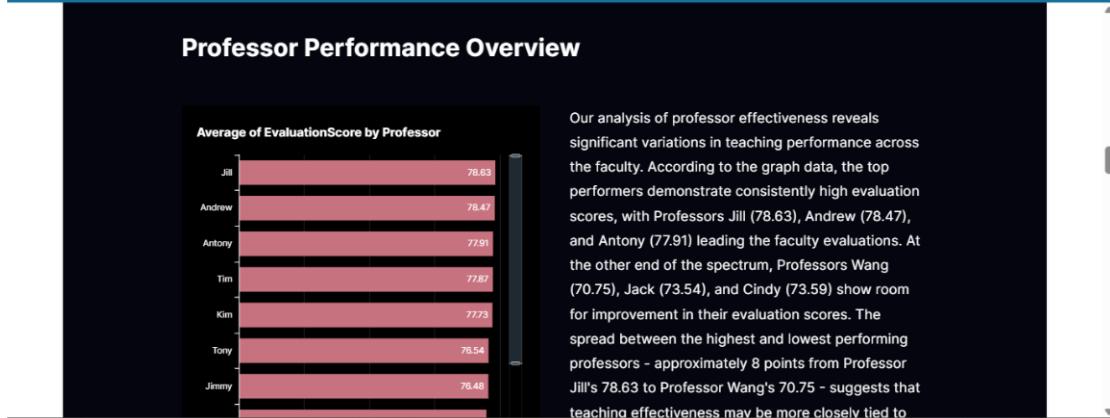
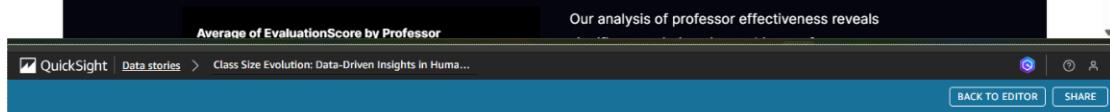
Student Demographics Impact

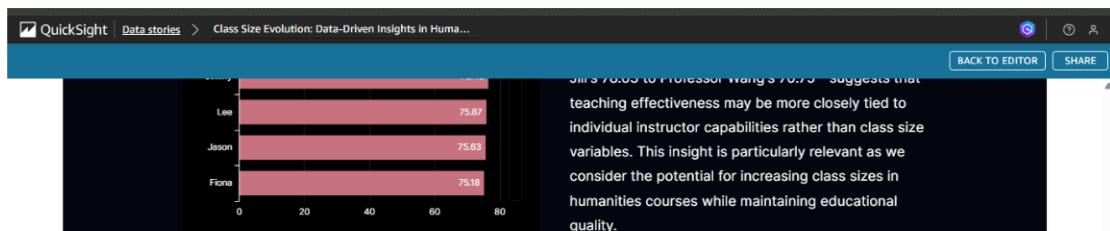


QuickSight Data stories > Class Size Evolution: Data-Driven Insights in Huma...

presents our current student type distribution, we should cross-reference this with historical satisfaction scores and course evaluations to validate our hypothesis about increased class sizes. This segmentation will be instrumental in developing targeted strategies for implementing class size changes while maintaining or improving student satisfaction levels.

Professor Performance Overview





Professor Performance Deep Dive

Professor by average of EvaluationScore and total Ev...

Professor EvaluationScore EvaluationScore

The table comparing professor evaluation scores provides critical insights into the relationship between

QuickSight Data stories > Class Size Evolution: Data-Driven Insights in Huma...

Professor	EvaluationScore	EvaluationScore
Jill	78.63	36,168.51
Andrew	78.47	13,967.27
Antony	77.91	71,677.97
Tim	77.87	27,411.97
Kim	77.73	24,483.53
Tony	76.54	31,153.61
Jimmy	76.48	36,709.44
Lee	75.87	56,448.21
Jason	75.63	23,068.28
Fiona	75.18	18,568.78

The table comparing professor evaluation scores provides critical insights into the relationship between class sizes and teaching effectiveness. By examining both average evaluation scores and total evaluation scores across different professors, we can identify patterns that suggest optimal class size configurations in humanities courses. This dual-metric approach allows us to distinguish between professors who maintain high satisfaction levels regardless of class size and those whose effectiveness may vary with enrollment numbers. A thorough manual review of this data table is recommended to identify specific professors who consistently achieve high evaluation scores in larger

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Professor Performance Deep Dive

Professor by average of EvaluationScore and total Ev...

Professor EvaluationScore EvaluationScore

The table comparing professor evaluation scores provides critical insights into the relationship between class sizes and teaching effectiveness. By examining both average evaluation scores and total evaluation scores across different professors, we can identify patterns that suggest optimal class size configurations in humanities courses. This dual-metric approach allows us to distinguish between professors who maintain high satisfaction levels regardless of class size and those whose effectiveness may vary with enrollment numbers. A thorough manual review of this data table is recommended to identify specific professors who consistently achieve high evaluation scores in larger

QuickSight Data stories > Class Size Evolution: Data-Driven Insights in Huma...

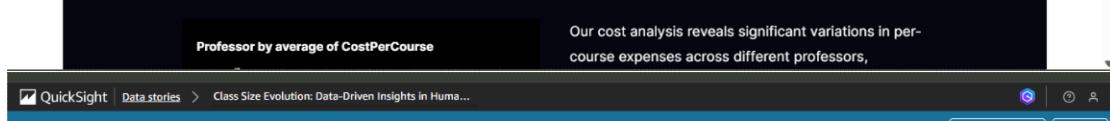
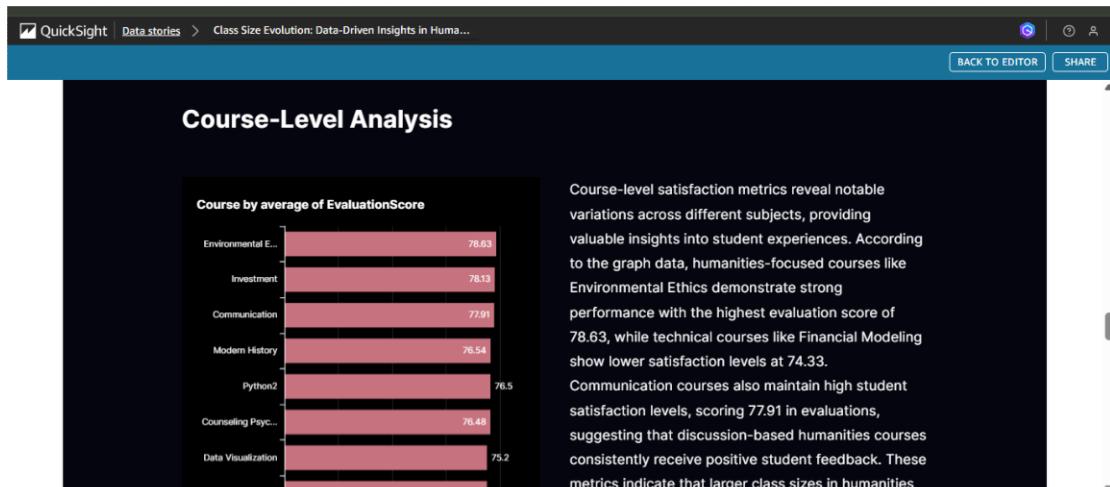
It is recommended to identify specific professors who consistently achieve high evaluation scores in larger class settings, as these cases may serve as best practice models. The findings from this analysis will be instrumental in developing evidence-based recommendations for class size adjustments that maintain or enhance student satisfaction while optimizing resource allocation.

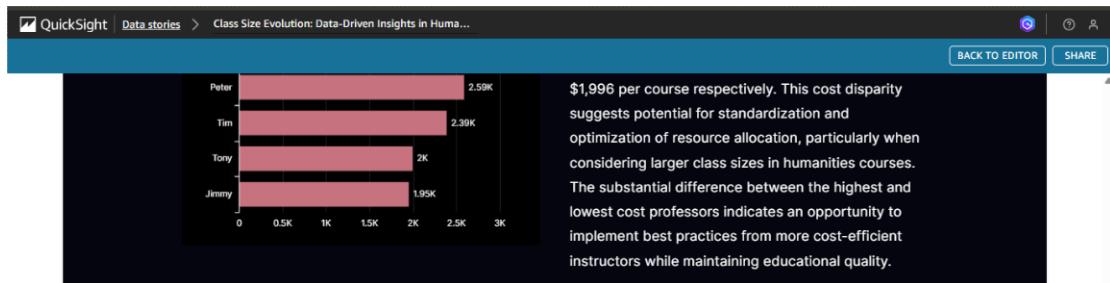
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Course-Level Analysis

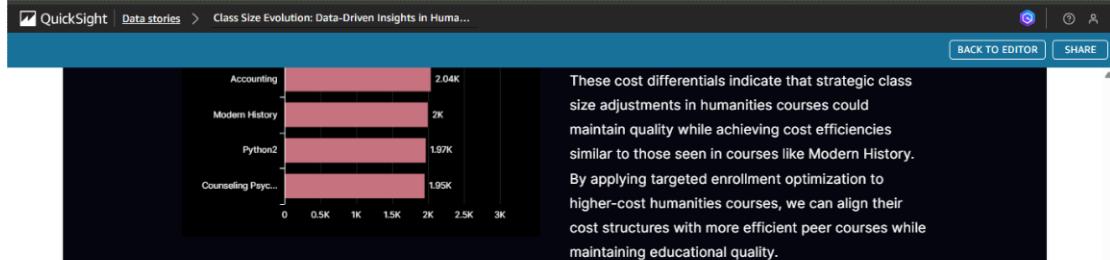
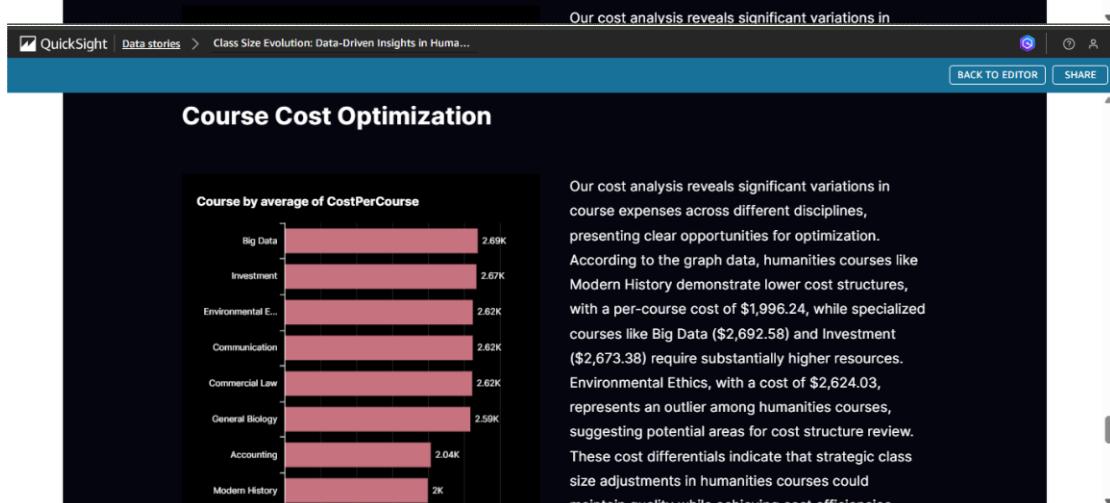
Course by average of EvaluationScore

Course-level satisfaction metrics reveal notable variations across different subjects, providing





Course Cost Optimization



Implementation Strategy

Strategic class size optimization begins with identifying high-enrollment humanities courses where historical data suggests positive student outcomes in larger formats. The implementation pathway incorporates faculty

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Implementation Strategy

Strategic class size optimization begins with identifying high-enrollment humanities courses where historical data suggests positive student outcomes in larger formats. The implementation pathway incorporates faculty training workshops, enhanced classroom technology resources, and teaching assistant support to maintain educational quality during the transition period. Department chairs can sequence the rollout based on instructor readiness and course suitability, while maintaining close monitoring of student satisfaction metrics throughout the process.

Conclusion - The Path Forward

Our comprehensive analysis reveals that thoughtfully implemented class size modifications in humanities courses can enhance both educational outcomes and resource allocation. The data-driven insights demonstrate clear pathways to optimize class configurations while maintaining high levels of student engagement and academic excellence. By adopting these evidence-based recommendations, institutions can create more dynamic learning environments that benefit students while ensuring sustainable departmental growth.

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