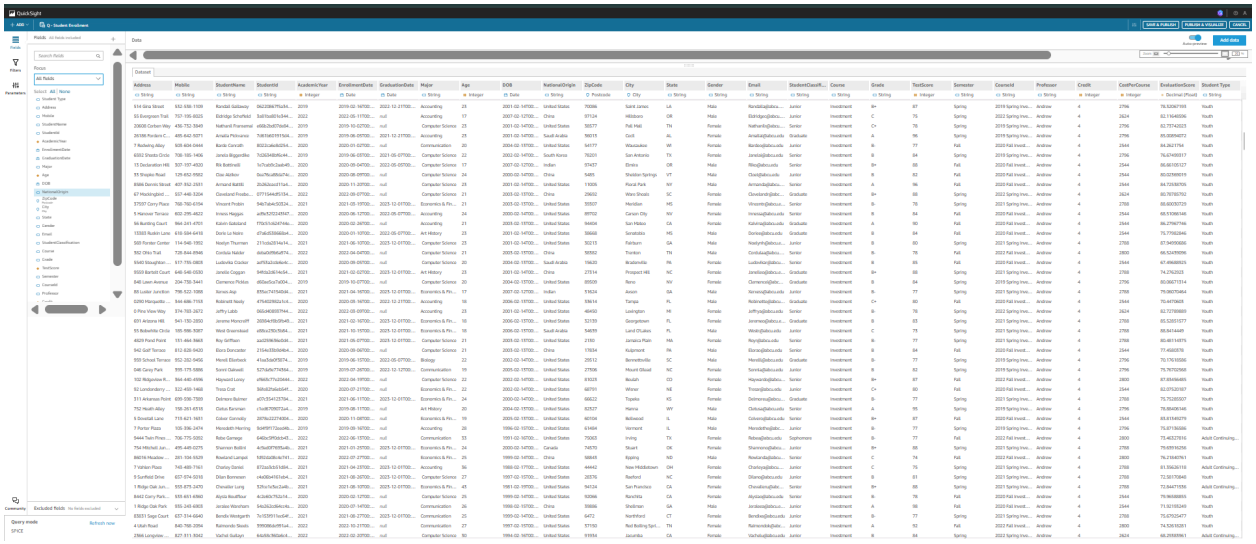
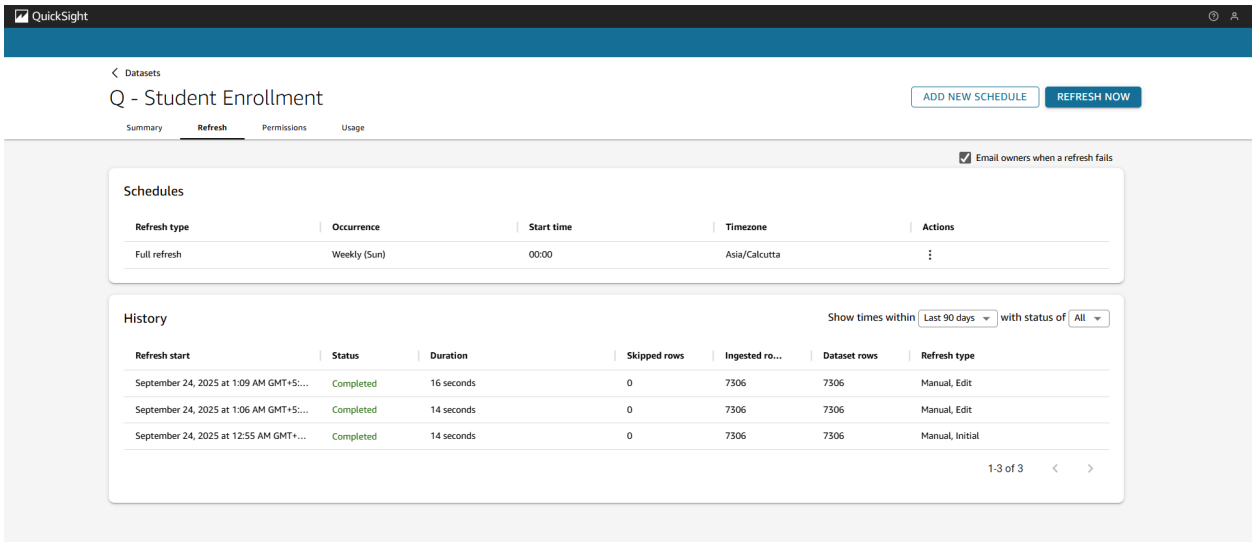
PROJECT 1

Your submission should include:

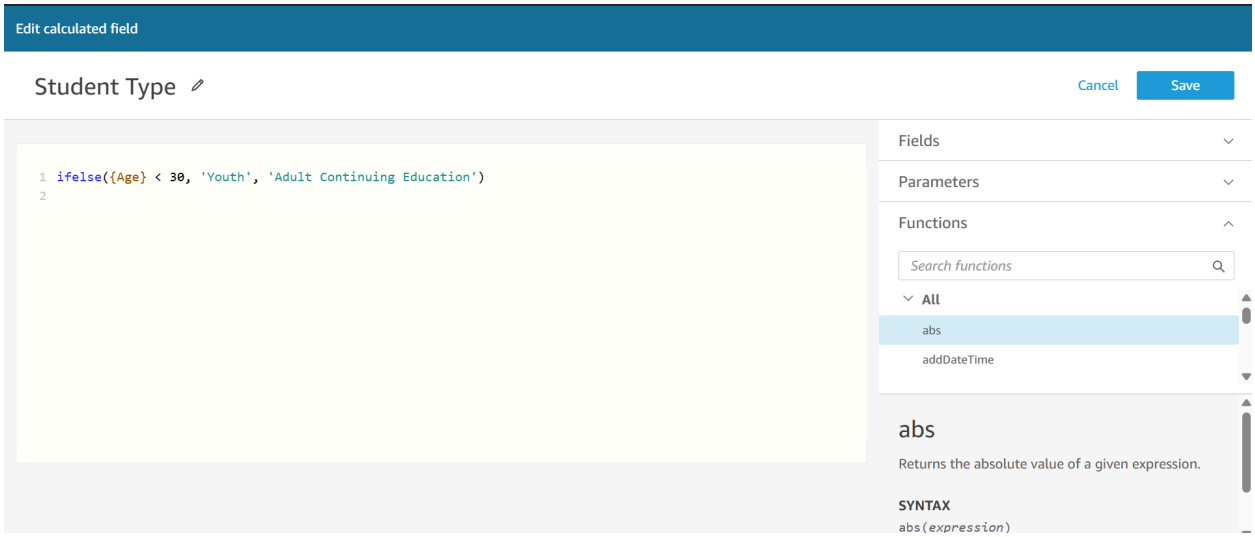
- List of Dataset Field names



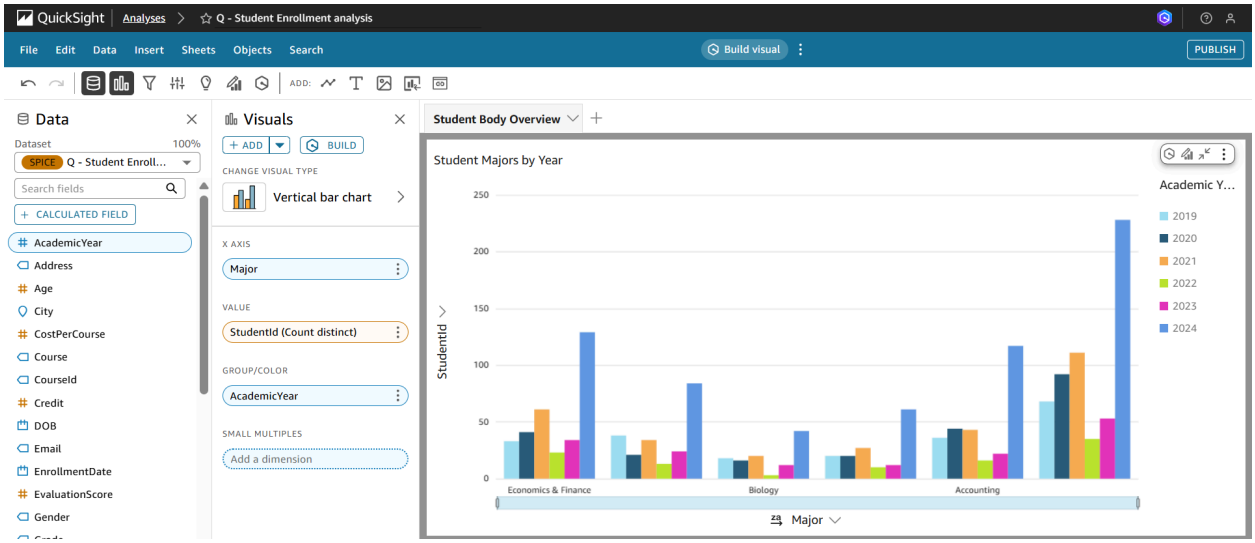
- Dataset refresh schedule

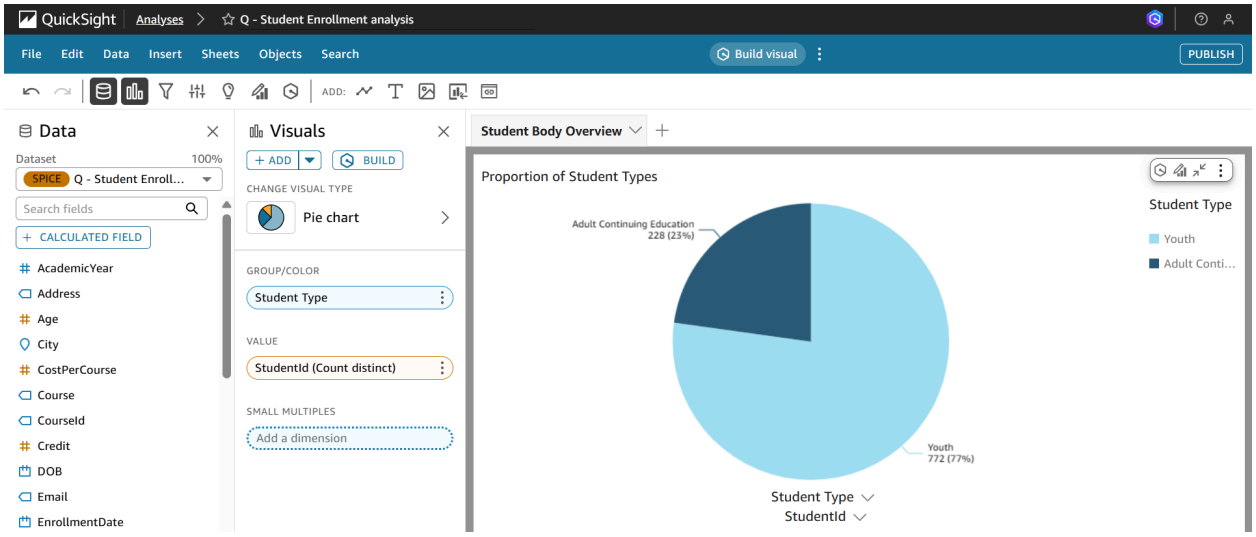


- Student Type calculated field formula

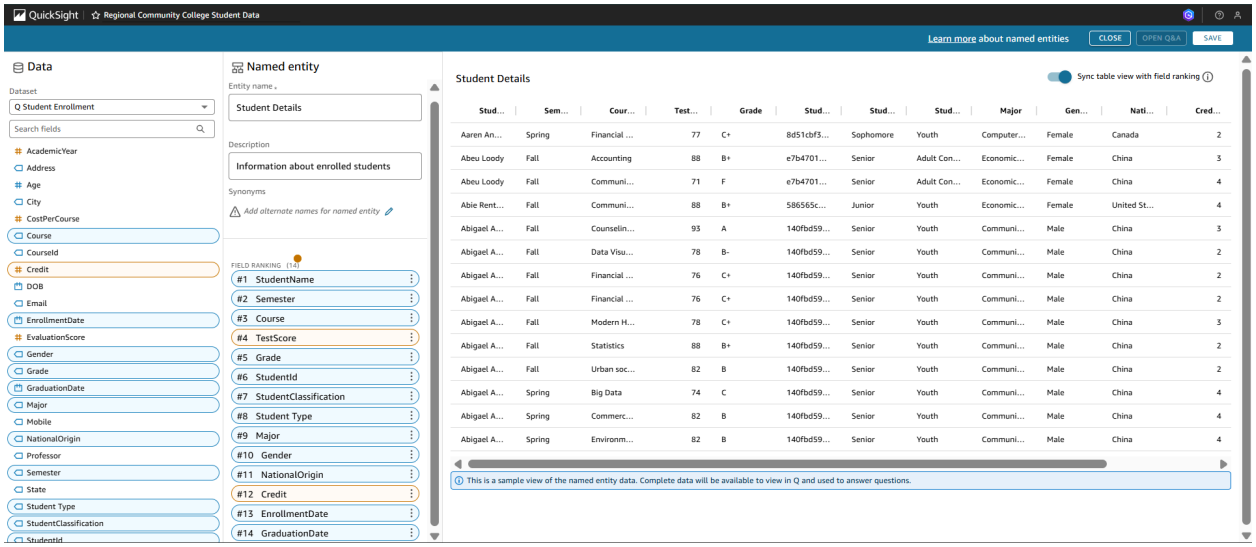


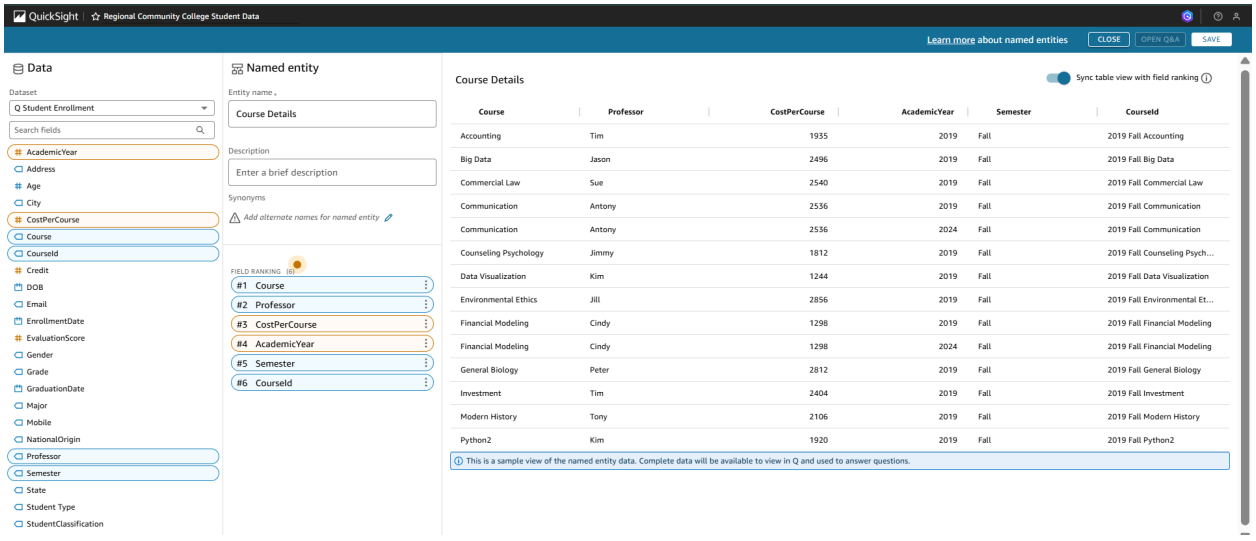
- Each Visual in your analysis

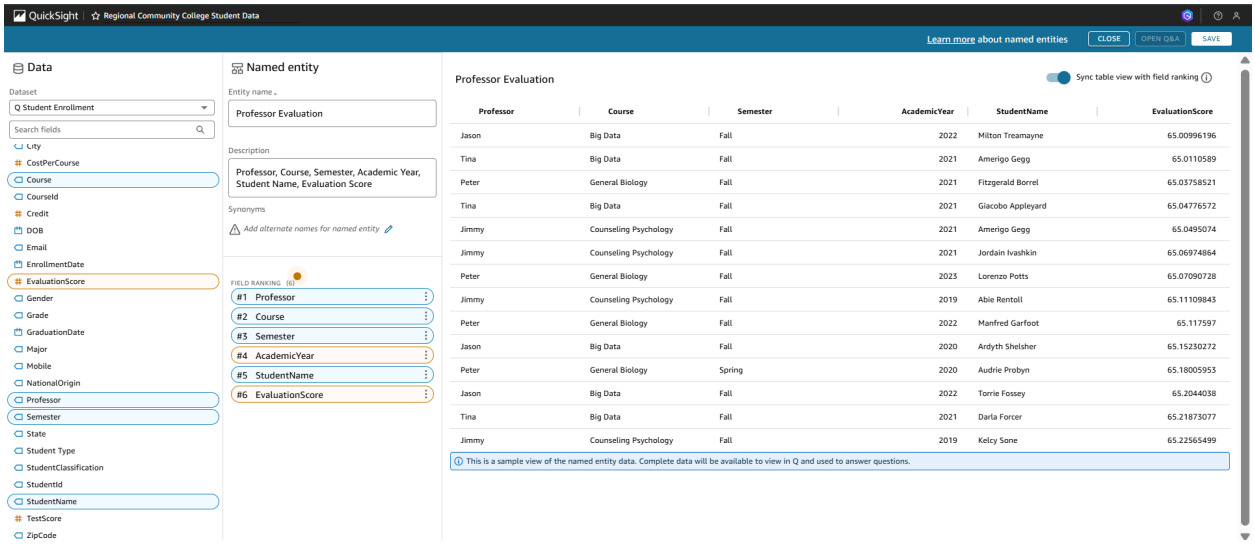




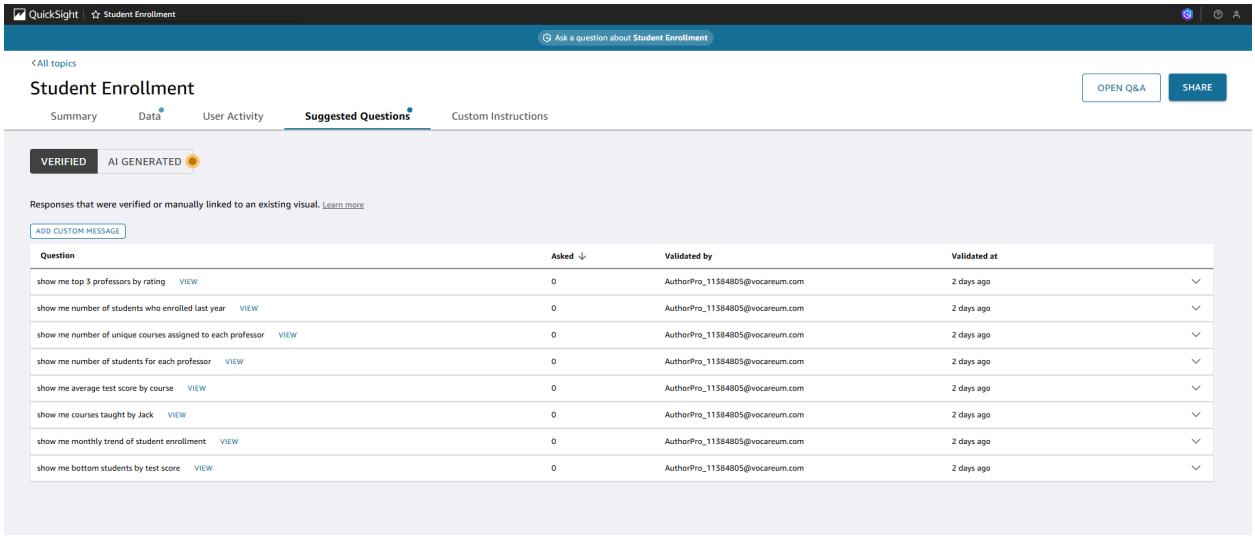
- Each Named Entity in your topic



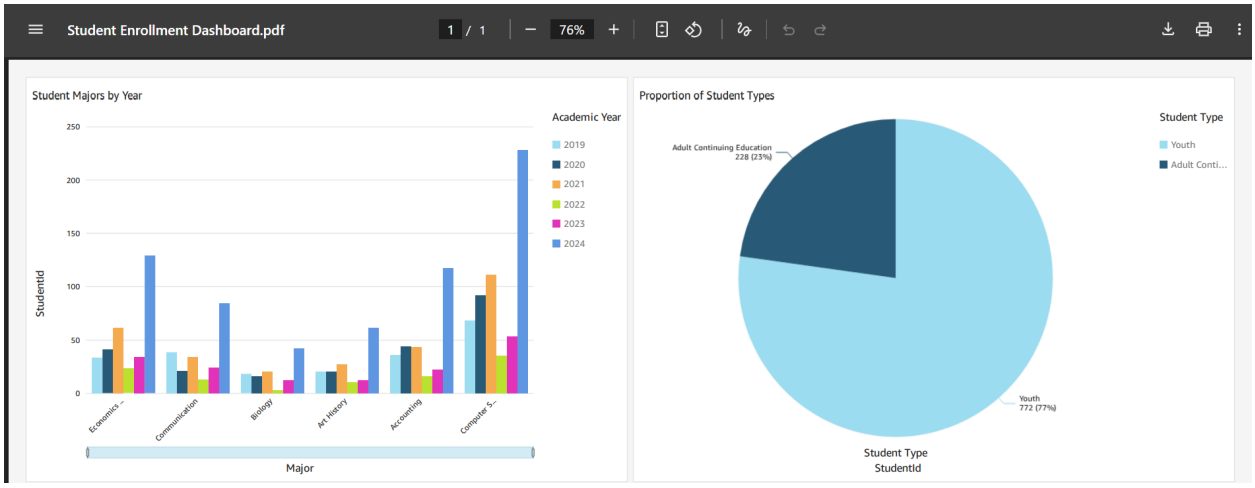


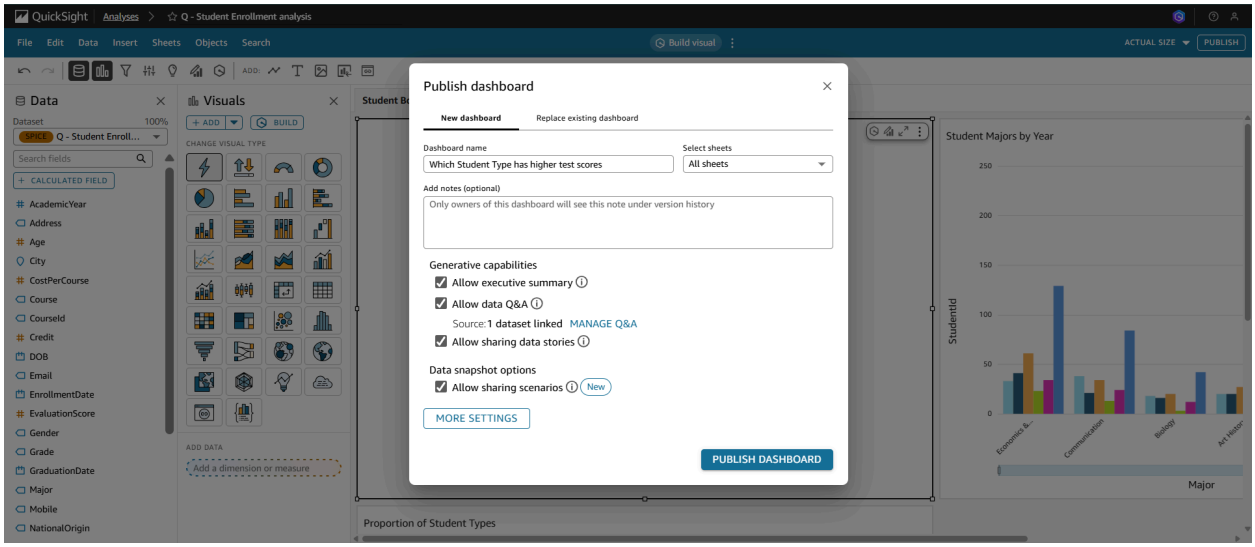


- The list of Verified answers in your topic

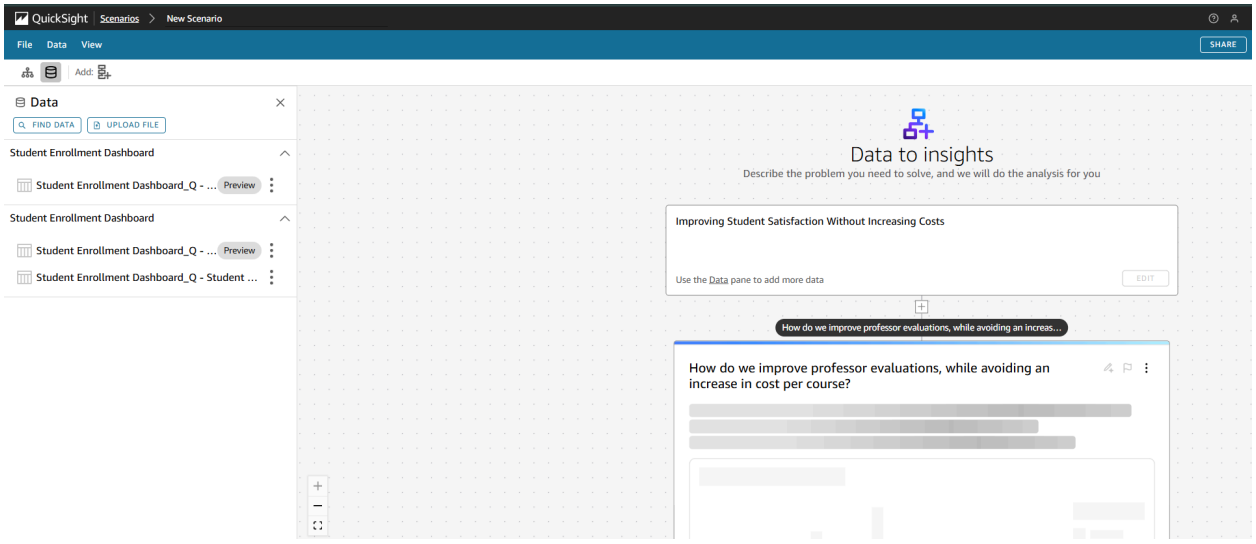


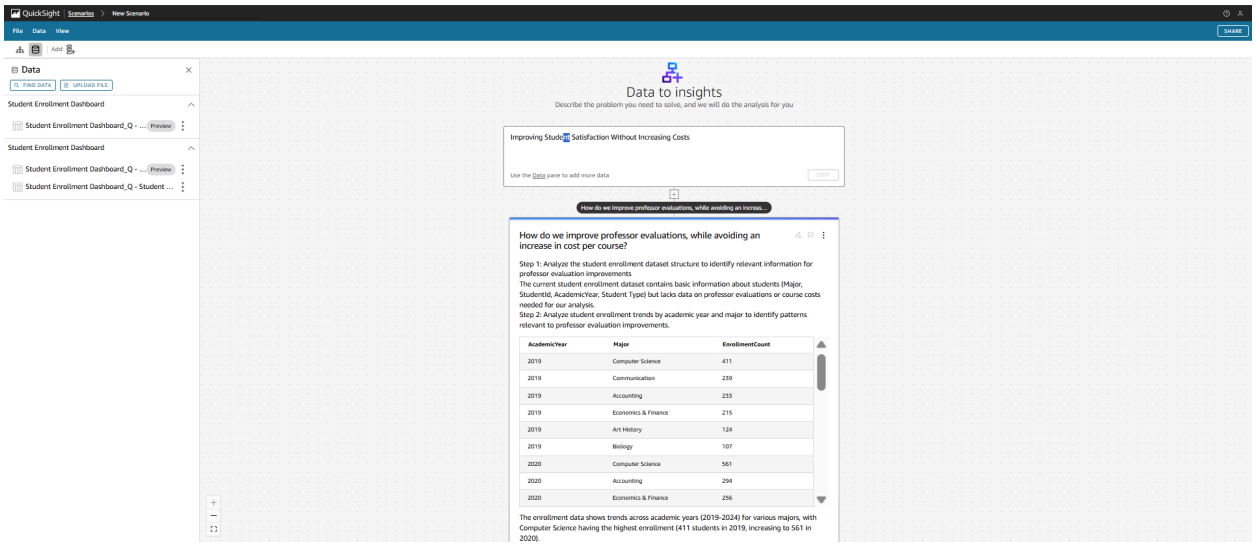
- Your Dashboard

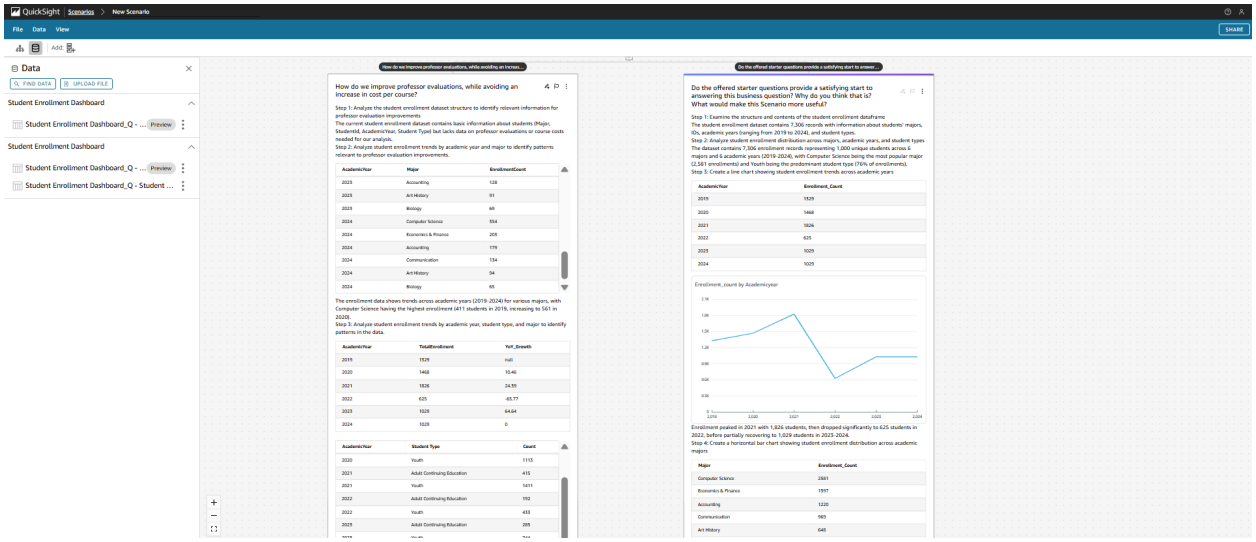




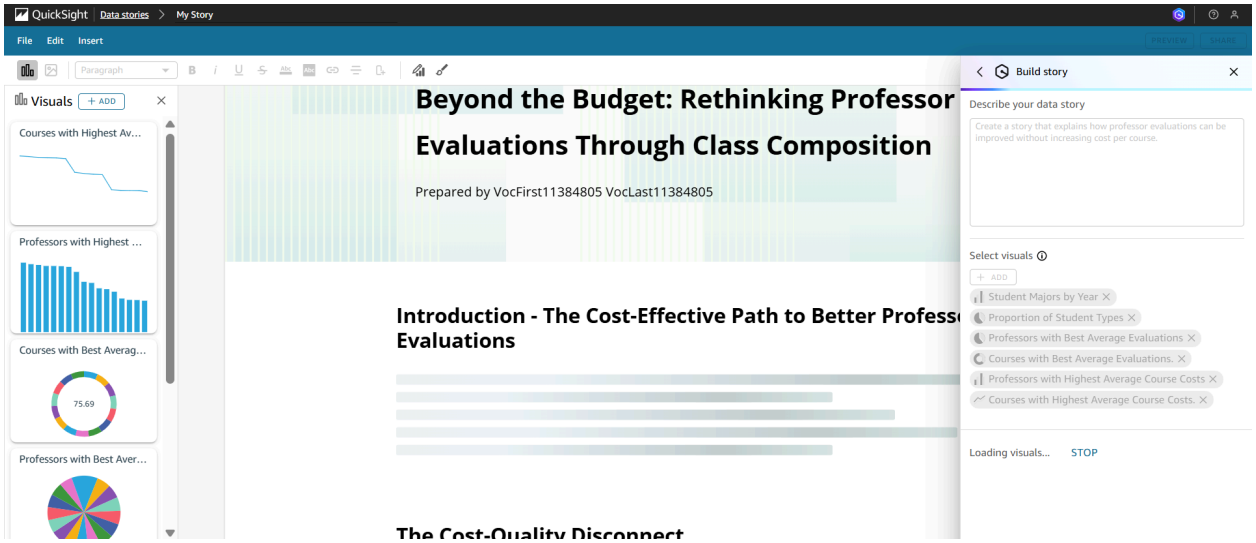
- The starter question of your Scenario, and the follow-up questions in your Thread

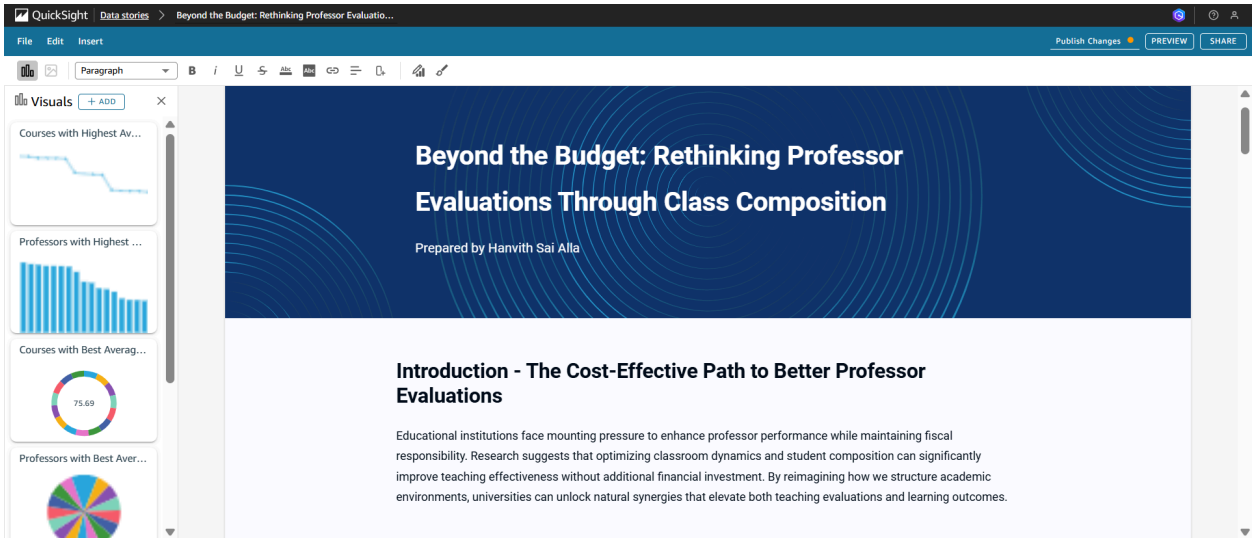


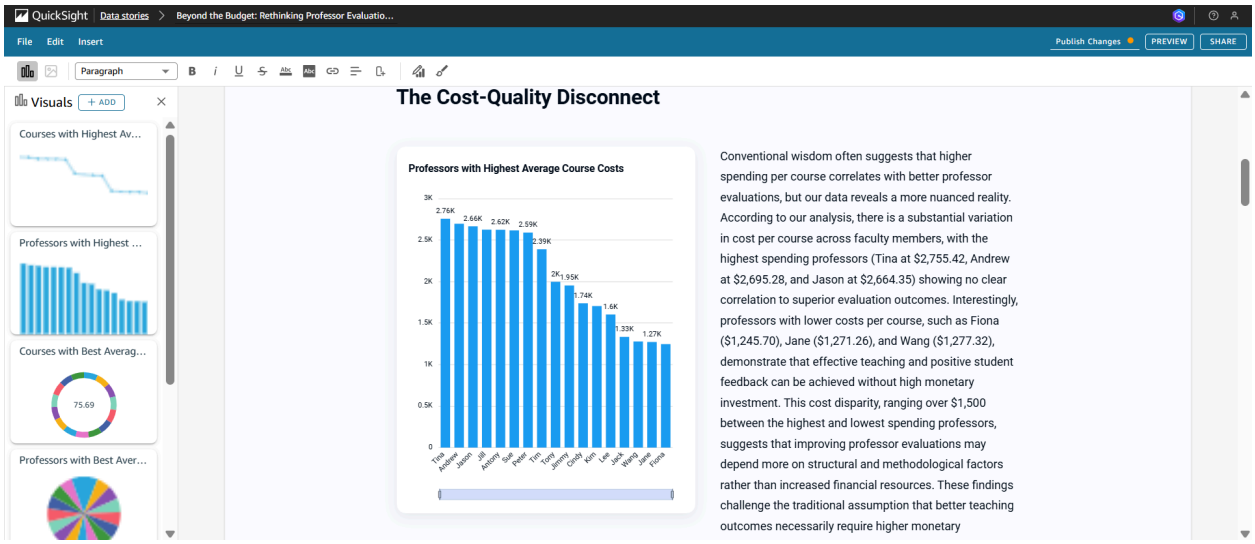


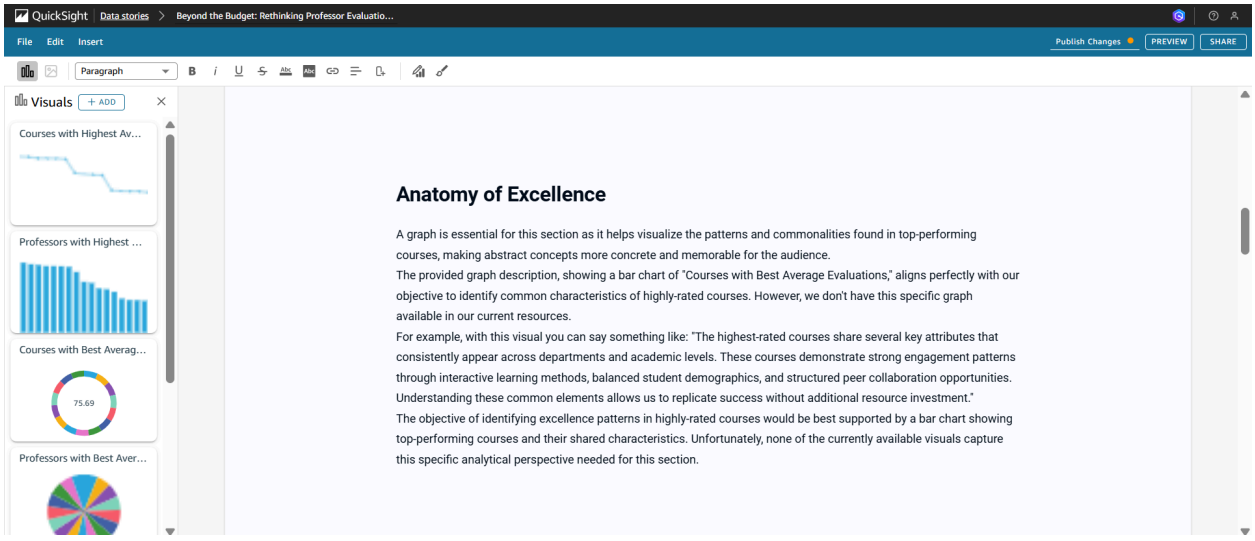


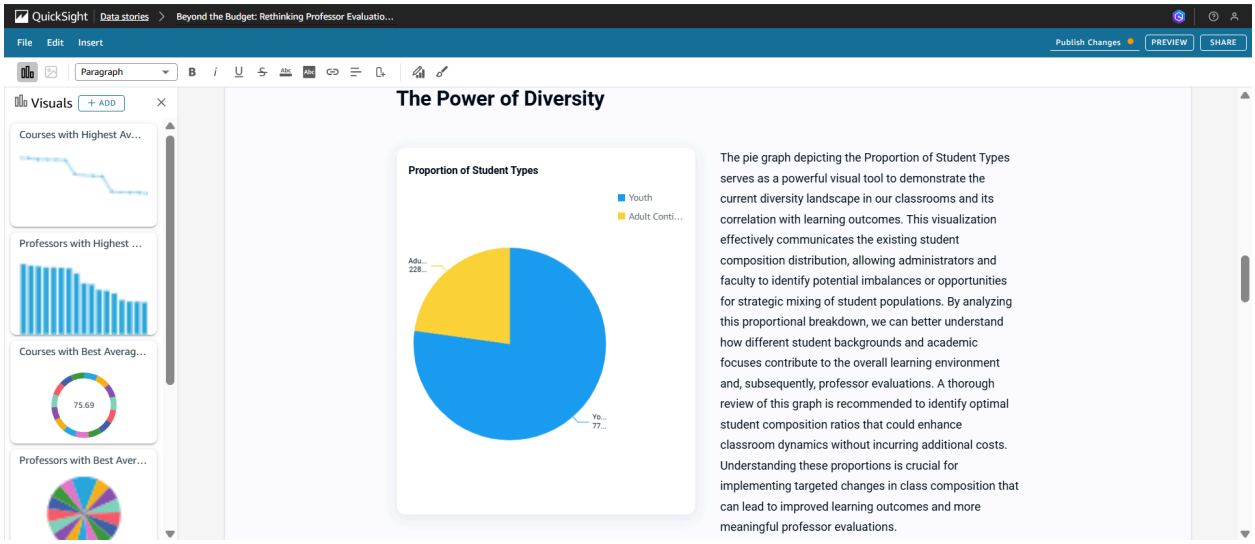
- Your complete Data Story

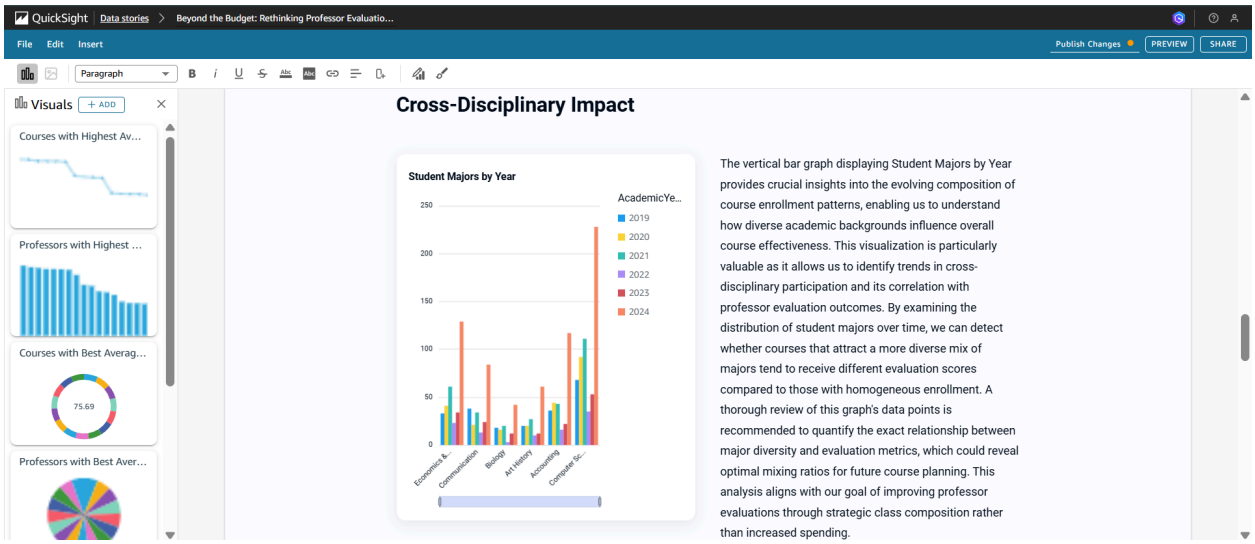


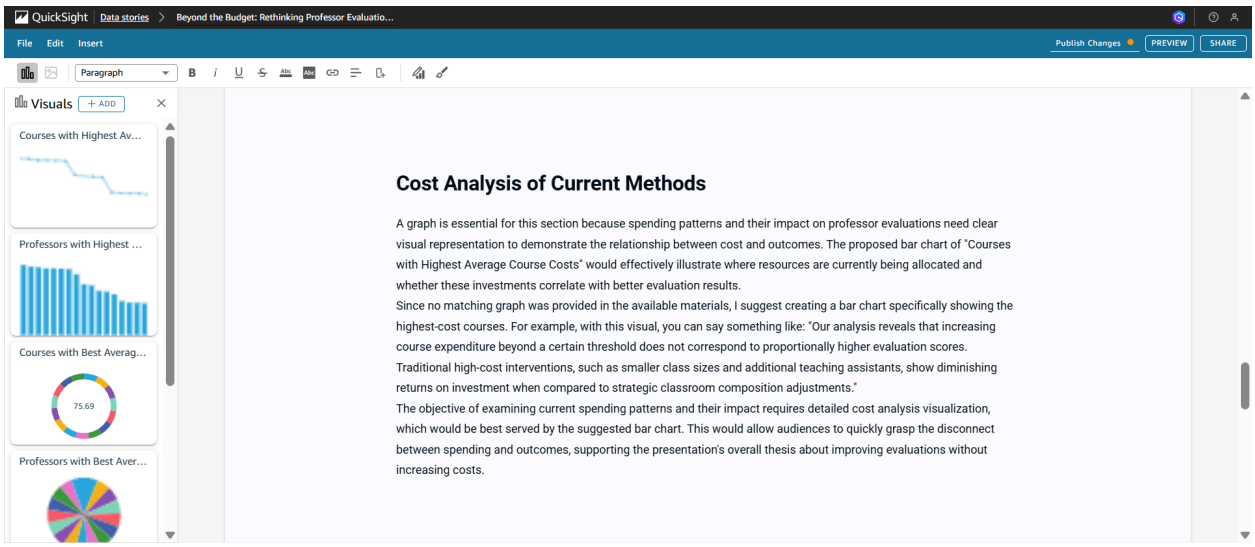

QuickSight
Data stories
Beyond the Budget: Rethinking Professor Evaluatio...
File
Edit
Insert
Publish Changes
PREVIEW
SHARE
Paragraph
Visuals
ADD
Courses with Highest Av...
Professors with Highest ...
Courses with Best Averag...
75.69
Professors with Best Aver...
Beyond the Budget: Rethinking Professor Evaluations Through Class Composition
Prepared by Hanvith Sai Alla
Introduction - The Cost-Effective Path to Better Professor Evaluations
Educational institutions face mounting pressure to enhance professor performance while maintaining fiscal responsibility. Research suggests that optimizing classroom dynamics and student composition can significantly improve teaching effectiveness without additional financial investment. By reimagining how we structure academic environments, universities can unlock natural synergies that elevate both teaching evaluations and learning outcomes.

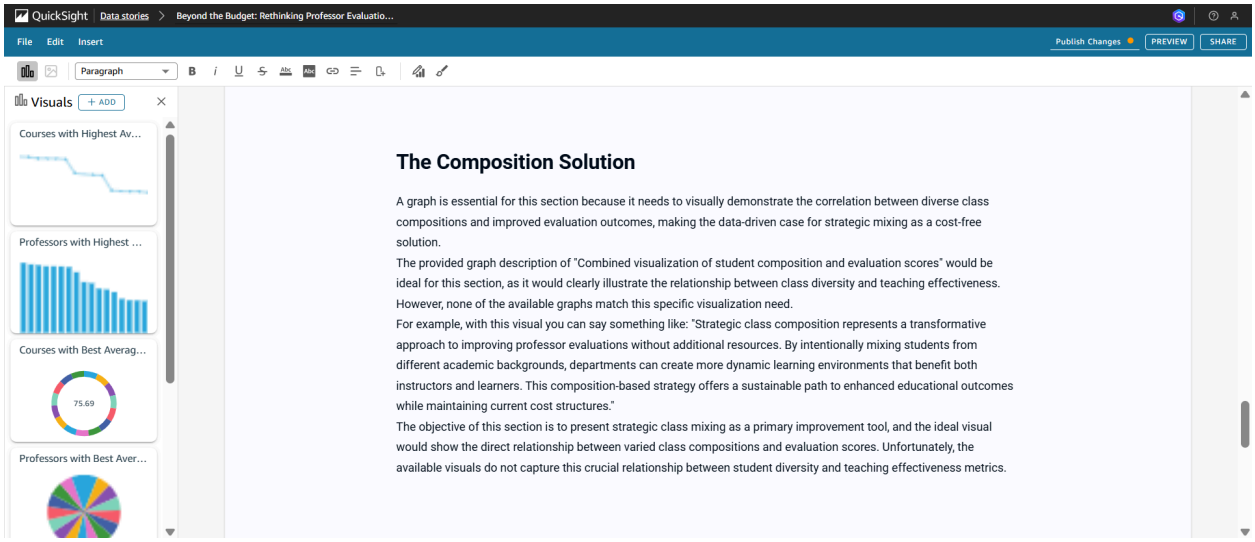

QuickSight
Data stories
Beyond the Budget: Rethinking Professor Evaluatio...
File
Edit
Insert
Publish Changes
PREVIEW
SHARE
Paragraph
Visuals
ADD
Courses with Highest Av...
Professors with Highest ...
Courses with Best Averag...
75.69
Professors with Best Aver...
The Cost-Quality Disconnect
Professors with Highest Average Course Costs
3K
2.5K
2K
1.5K
1K
0.5K
0
2.76K
2.66K
2.62K
2.59K
2.39K
2K
1.95K
1.74K
1.6K
1.33K
1.27K
Tina
Andrew
Jason
Jill
Antony
Sue
Peter
Tim
Tony
Jimmy
Cindy
Kim
Lee
Jack
Wang
Jane
Fiona
Conventional wisdom often suggests that higher spending per course correlates with better professor evaluations, but our data reveals a more nuanced reality. According to our analysis, there is a substantial variation in cost per course across faculty members, with the highest spending professors (Tina at $2,755.42, Andrew at $2,695.28, and Jason at $2,664.35) showing no clear correlation to superior evaluation outcomes. Interestingly, professors with lower costs per course, such as Fiona ($1,245.70), Jane ($1,271.26), and Wang ($1,277.32), demonstrate that effective teaching and positive student feedback can be achieved without high monetary investment. This cost disparity, ranging over $1,500 between the highest and lowest spending professors, suggests that improving professor evaluations may depend more on structural and methodological factors rather than increased financial resources. These findings challenge the traditional assumption that better teaching outcomes necessarily require higher monetary

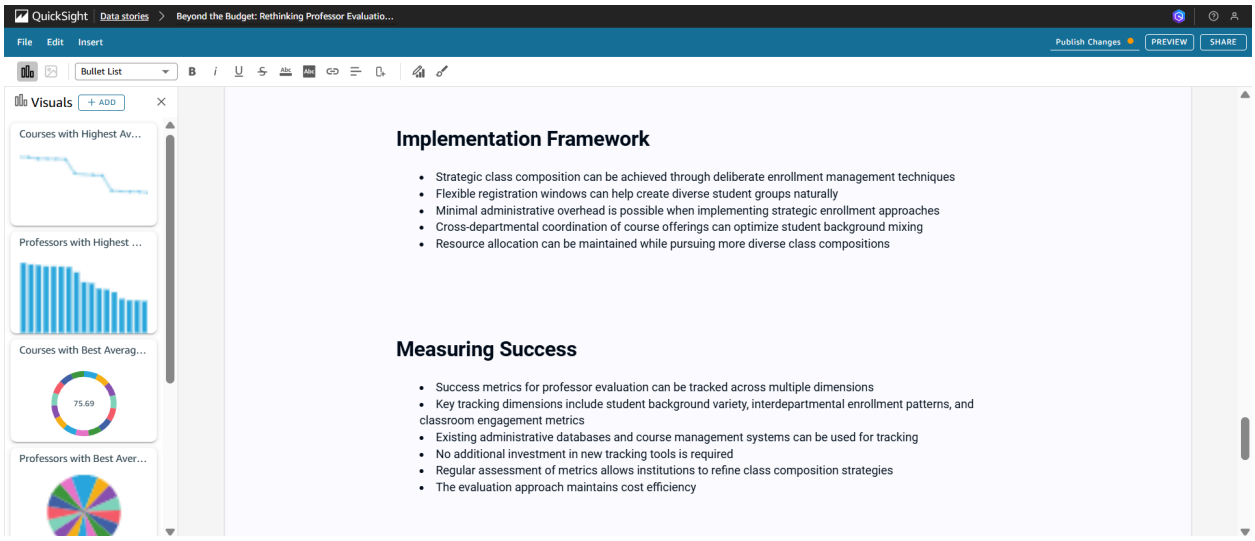

QuickSight
Data stories
Beyond the Budget: Rethinking Professor Evaluatio...
File
Edit
Insert
Publish Changes
PREVIEW
SHARE
Paragraph
Visuals
ADD
Courses with Highest Av...
Professors with Highest ...
Courses with Best Averag...
75.69
Professors with Best Aver...
Anatomy of Excellence
A graph is essential for this section as it helps visualize the patterns and commonalities found in top-performing courses, making abstract concepts more concrete and memorable for the audience.
The provided graph description, showing a bar chart of "Courses with Best Average Evaluations," aligns perfectly with our objective to identify common characteristics of highly-rated courses. However, we don't have this specific graph available in our current resources.
For example, with this visual you can say something like: "The highest-rated courses share several key attributes that consistently appear across departments and academic levels. These courses demonstrate strong engagement patterns through interactive learning methods, balanced student demographics, and structured peer collaboration opportunities. Understanding these common elements allows us to replicate success without additional resource investment."
The objective of identifying excellence patterns in highly-rated courses would be best supported by a bar chart showing top-performing courses and their shared characteristics. Unfortunately, none of the currently available visuals capture this specific analytical perspective needed for this section.

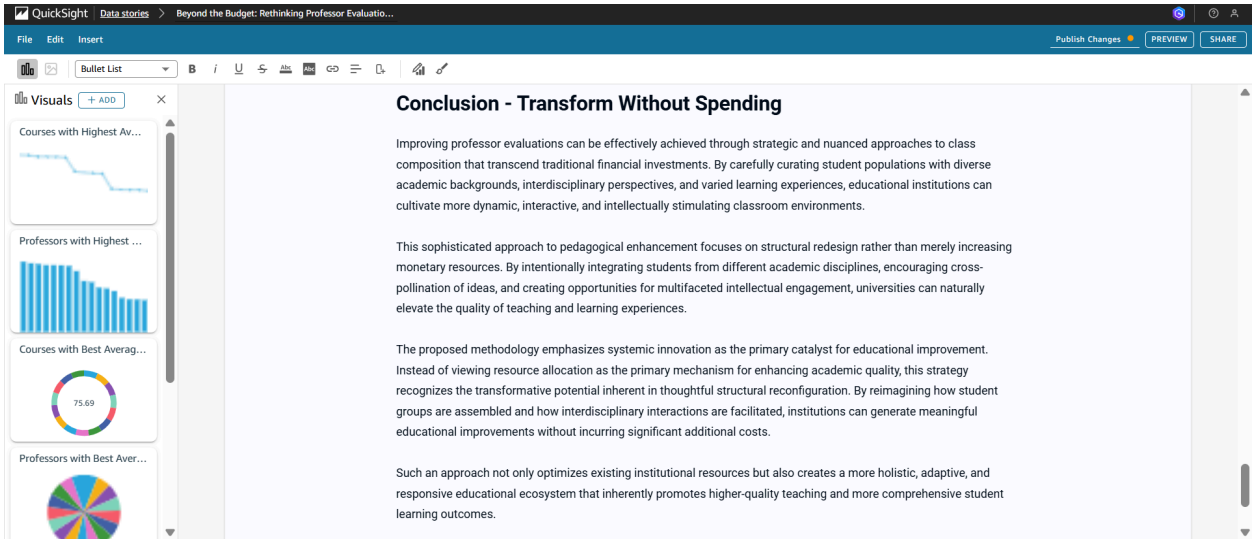

QuickSight
Data stories
Beyond the Budget: Rethinking Professor Evaluatio...
File
Edit
Insert
Publish Changes
PREVIEW
SHARE
Paragraph
Visuals
+ ADD
Courses with Highest Av...
Professors with Highest ...
Courses with Best Averag...
75.69
Professors with Best Aver...
The Power of Diversity
Proportion of Student Types
Youth
Adult Conti...
Adu...
228...
Yo...
77...
The pie graph depicting the Proportion of Student Types serves as a powerful visual tool to demonstrate the current diversity landscape in our classrooms and its correlation with learning outcomes. This visualization effectively communicates the existing student composition distribution, allowing administrators and faculty to identify potential imbalances or opportunities for strategic mixing of student populations. By analyzing this proportional breakdown, we can better understand how different student backgrounds and academic focuses contribute to the overall learning environment and, subsequently, professor evaluations. A thorough review of this graph is recommended to identify optimal student composition ratios that could enhance classroom dynamics without incurring additional costs. Understanding these proportions is crucial for implementing targeted changes in class composition that can lead to improved learning outcomes and more meaningful professor evaluations.


QuickSight
Data stories
Beyond the Budget: Rethinking Professor Evaluatio...
File
Edit
Insert
Publish Changes
PREVIEW
SHARE
Paragraph
Visuals
+ ADD
Courses with Highest Av...
Professors with Highest ...
Courses with Best Averag...
75.69
Professors with Best Aver...
Cross-Disciplinary Impact
Student Majors by Year
AcademicYe...
2019
2020
2021
2022
2023
2024
250
200
150
100
50
0
Economics &...
Communication
Biology
Art History
Accounting
Computer Sc...
The vertical bar graph displaying Student Majors by Year provides crucial insights into the evolving composition of course enrollment patterns, enabling us to understand how diverse academic backgrounds influence overall course effectiveness. This visualization is particularly valuable as it allows us to identify trends in cross-disciplinary participation and its correlation with professor evaluation outcomes. By examining the distribution of student majors over time, we can detect whether courses that attract a more diverse mix of majors tend to receive different evaluation scores compared to those with homogeneous enrollment. A thorough review of this graph's data points is recommended to quantify the exact relationship between major diversity and evaluation metrics, which could reveal optimal mixing ratios for future course planning. This analysis aligns with our goal of improving professor evaluations through strategic class composition rather than increased spending.

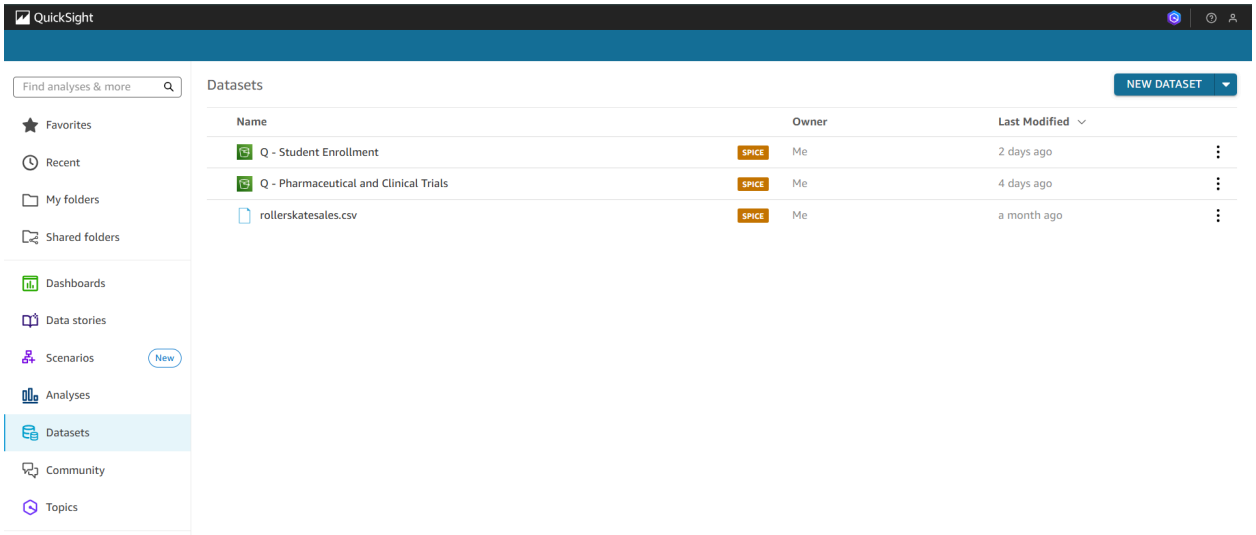

QuickSight
Data stories
Beyond the Budget: Rethinking Professor Evaluatio...
File
Edit
Insert
Publish Changes
PREVIEW
SHARE
Paragraph
Visuals
+ ADD
Courses with Highest Av...
Professors with Highest ...
Courses with Best Averag...
75.69
Professors with Best Aver...
Cost Analysis of Current Methods
A graph is essential for this section because spending patterns and their impact on professor evaluations need clear visual representation to demonstrate the relationship between cost and outcomes. The proposed bar chart of "Courses with Highest Average Course Costs" would effectively illustrate where resources are currently being allocated and whether these investments correlate with better evaluation results.
Since no matching graph was provided in the available materials, I suggest creating a bar chart specifically showing the highest-cost courses. For example, with this visual, you can say something like: "Our analysis reveals that increasing course expenditure beyond a certain threshold does not correspond to proportionally higher evaluation scores. Traditional high-cost interventions, such as smaller class sizes and additional teaching assistants, show diminishing returns on investment when compared to strategic classroom composition adjustments."
The objective of examining current spending patterns and their impact requires detailed cost analysis visualization, which would be best served by the suggested bar chart. This would allow audiences to quickly grasp the disconnect between spending and outcomes, supporting the presentation's overall thesis about improving evaluations without increasing costs.

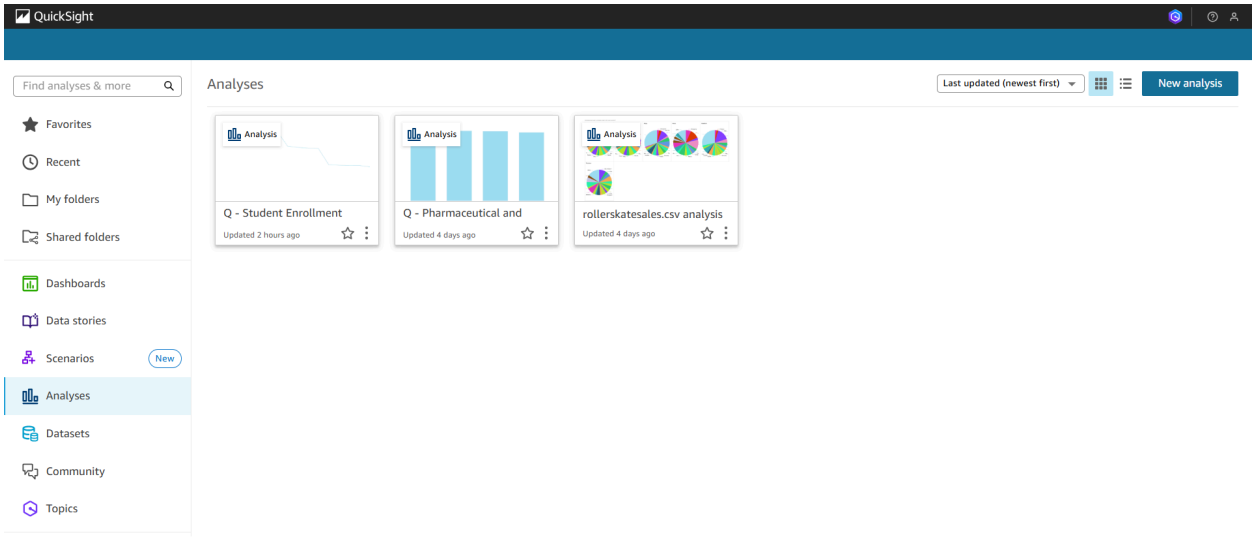

QuickSight
Data stories
Beyond the Budget: Rethinking Professor Evaluatio...
File
Edit
Insert
Publish Changes
PREVIEW
SHARE
Paragraph
Visuals
ADD
Courses with Highest Av...
Professors with Highest ...
Courses with Best Averag...
75.69
Professors with Best Aver...
The Composition Solution
A graph is essential for this section because it needs to visually demonstrate the correlation between diverse class compositions and improved evaluation outcomes, making the data-driven case for strategic mixing as a cost-free solution.
The provided graph description of "Combined visualization of student composition and evaluation scores" would be ideal for this section, as it would clearly illustrate the relationship between class diversity and teaching effectiveness. However, none of the available graphs match this specific visualization need.
For example, with this visual you can say something like: "Strategic class composition represents a transformative approach to improving professor evaluations without additional resources. By intentionally mixing students from different academic backgrounds, departments can create more dynamic learning environments that benefit both instructors and learners. This composition-based strategy offers a sustainable path to enhanced educational outcomes while maintaining current cost structures."
The objective of this section is to present strategic class mixing as a primary improvement tool, and the ideal visual would show the direct relationship between varied class compositions and evaluation scores. Unfortunately, the available visuals do not capture this crucial relationship between student diversity and teaching effectiveness metrics.

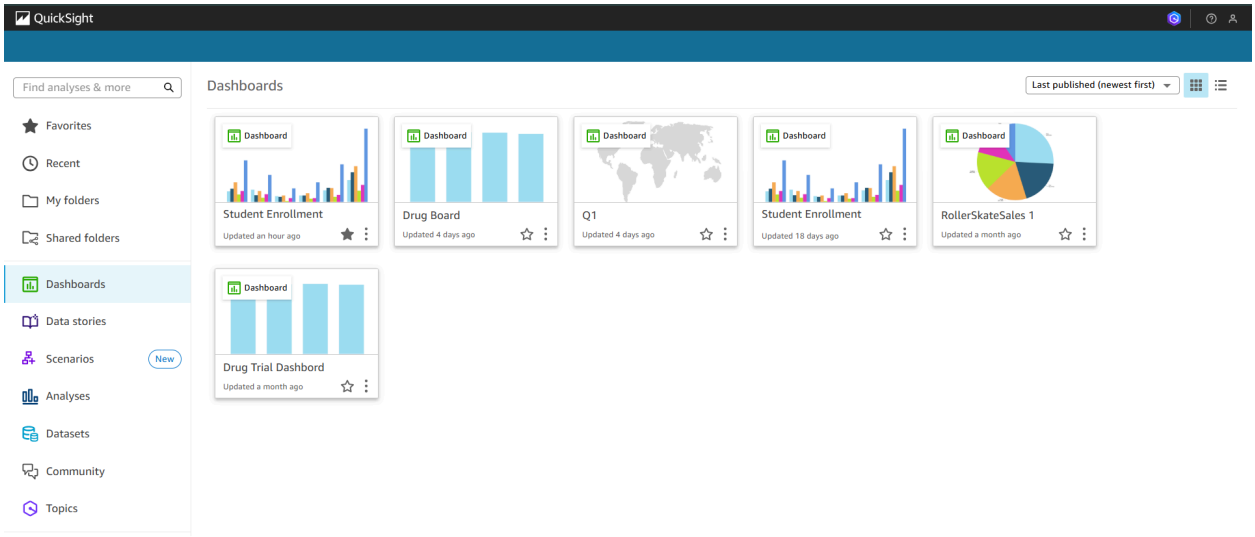

QuickSight
Data stories
Beyond the Budget: Rethinking Professor Evaluatio...
File
Edit
Insert
Publish Changes
PREVIEW
SHARE
Bullet List
Visuals
ADD
Courses with Highest Av...
Professors with Highest ...
Courses with Best Averag...
75.69
Professors with Best Aver...
Implementation Framework
Strategic class composition can be achieved through deliberate enrollment management techniques
Flexible registration windows can help create diverse student groups naturally
Minimal administrative overhead is possible when implementing strategic enrollment approaches
Cross-departmental coordination of course offerings can optimize student background mixing
Resource allocation can be maintained while pursuing more diverse class compositions
Measuring Success
Success metrics for professor evaluation can be tracked across multiple dimensions
Key tracking dimensions include student background variety, interdepartmental enrollment patterns, and classroom engagement metrics
Existing administrative databases and course management systems can be used for tracking
No additional investment in new tracking tools is required
Regular assessment of metrics allows institutions to refine class composition strategies
The evaluation approach maintains cost efficiency

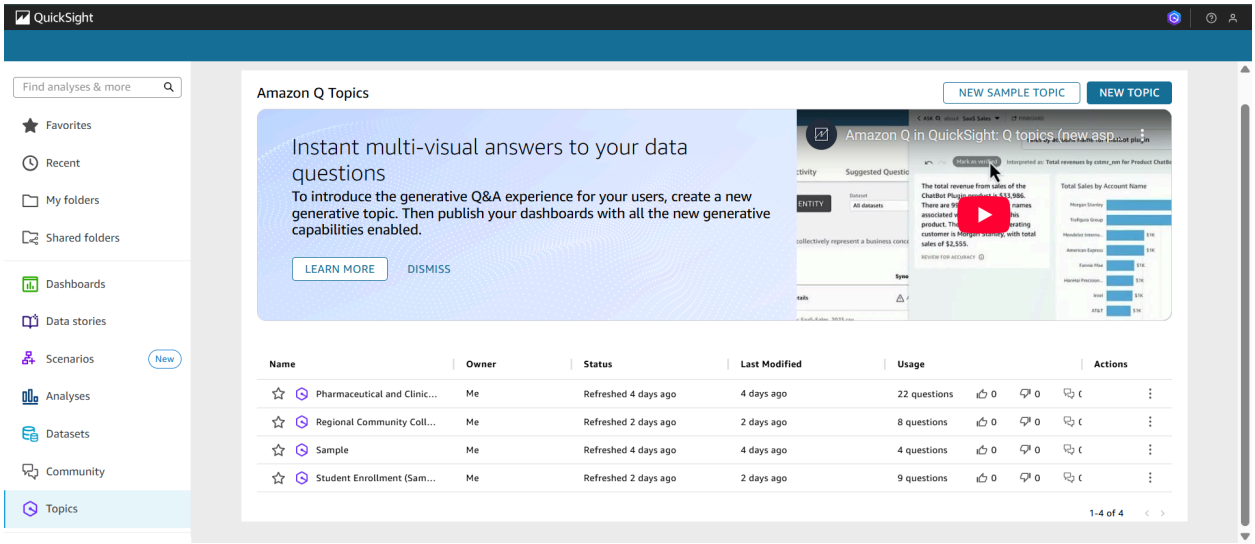

QuickSight
Data stories
Beyond the Budget: Rethinking Professor Evaluatio...
File
Edit
Insert
Publish Changes
PREVIEW
SHARE
Bullet List
Visuals
ADD
Courses with Highest Av...
Professors with Highest ...
Courses with Best Averag...
75.69
Professors with Best Aver...
Conclusion - Transform Without Spending
Improving professor evaluations can be effectively achieved through strategic and nuanced approaches to class composition that transcend traditional financial investments. By carefully curating student populations with diverse academic backgrounds, interdisciplinary perspectives, and varied learning experiences, educational institutions can cultivate more dynamic, interactive, and intellectually stimulating classroom environments.
This sophisticated approach to pedagogical enhancement focuses on structural redesign rather than merely increasing monetary resources. By intentionally integrating students from different academic disciplines, encouraging cross-pollination of ideas, and creating opportunities for multifaceted intellectual engagement, universities can naturally elevate the quality of teaching and learning experiences.
The proposed methodology emphasizes systemic innovation as the primary catalyst for educational improvement. Instead of viewing resource allocation as the primary mechanism for enhancing academic quality, this strategy recognizes the transformative potential inherent in thoughtful structural reconfiguration. By reimagining how student groups are assembled and how interdisciplinary interactions are facilitated, institutions can generate meaningful educational improvements without incurring significant additional costs.
Such an approach not only optimizes existing institutional resources but also creates a more holistic, adaptive, and responsive educational ecosystem that inherently promotes higher-quality teaching and more comprehensive student learning outcomes.

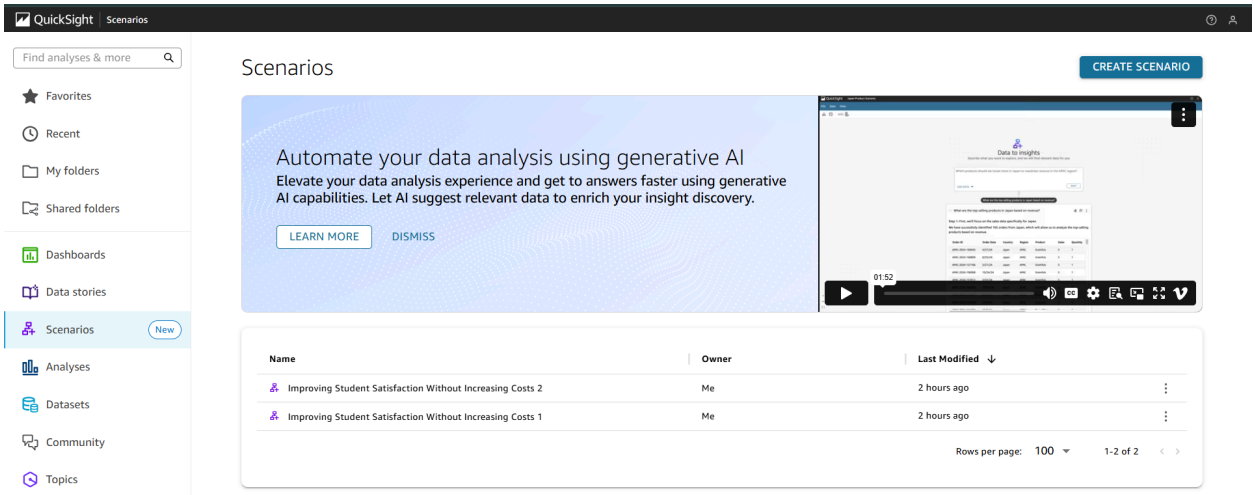
- Listings of all created resources: Datasets, Analyses, Dashboards, Topics, Scenarios






QuickSight
Find analyses & more
Favorites
Recent
My folders
Shared folders
Dashboards
Data stories
Scenarios
New
Analyses
Datasets
Community
Topics
Dashboards
Last published (newest first)
Dashboard
Student Enrollment
Updated an hour ago
Drug Board
Updated 4 days ago
Q1
Updated 4 days ago
Student Enrollment
Updated 18 days ago
RollerSkateSales 1
Updated a month ago
Drug Trial Dashbord
Updated a month ago


QuickSight
Find analyses & more
Favorites
Recent
My folders
Shared folders
Dashboards
Data stories
Scenarios
New
Analyses
Datasets
Community
Topics
Amazon Q Topics
NEW SAMPLE TOPIC
NEW TOPIC
Instant multi-visual answers to your data questions
To introduce the generative Q&A experience for your users, create a new generative topic. Then publish your dashboards with all the new generative capabilities enabled.
LEARN MORE
DISMISS
Amazon Q in QuickSight: Q topics (new asp...
Name
Owner
Status
Last Modified
Usage
Actions
Pharmaceutical and Clinic...
Me
Refreshed 4 days ago
4 days ago
22 questions
Regional Community Coll...
Me
Refreshed 2 days ago
2 days ago
8 questions
Sample
Me
Refreshed 4 days ago
4 days ago
4 questions
Student Enrollment (Sam...
Me
Refreshed 2 days ago
2 days ago
9 questions
1-4 of 4


QuickSight
Scenarios
Find analyses & more
Favorites
Recent
My folders
Shared folders
Dashboards
Data stories
Scenarios
New
Analyses
Datasets
Community
Topics
Scenarios
CREATE SCENARIO
Automate your data analysis using generative AI
Elevate your data analysis experience and get to answers faster using generative AI capabilities. Let AI suggest relevant data to enrich your insight discovery.
LEARN MORE
DISMISS
01:52
Name
Owner
Last Modified
Improving Student Satisfaction Without Increasing Costs 2
Me
2 hours ago
Improving Student Satisfaction Without Increasing Costs 1
Me
2 hours ago
Rows per page:
100
1-2 of 2