Project Rubric

Scenario Creation and Complex Questioning

Creating Scenarios

- 1. Create a new Scenario named, Improving Student Satisfaction Without Increasing Costs
- 2. Select both Visuals from the Student Enrollment Dashboard as Data for this Scenario.

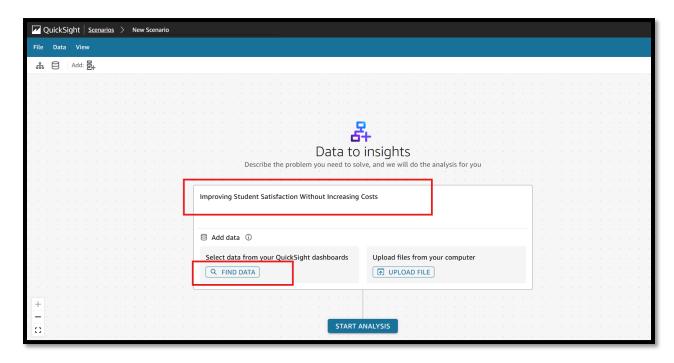


Figure 1 Creating a Scenario

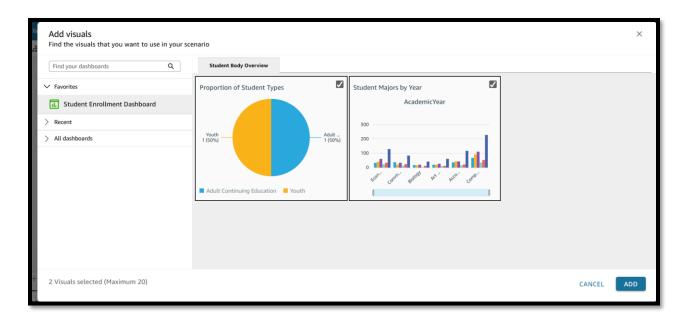


Figure 2 Adding a couple of Visuals

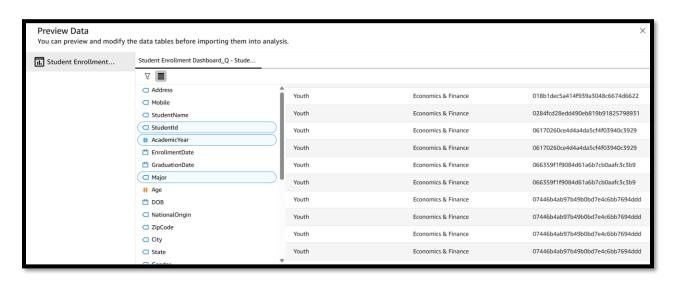


Figure 3 Preview Data

3. Start the Scenario with the question: *How do we improve professor evaluations, while avoiding an increase in cost per course?*

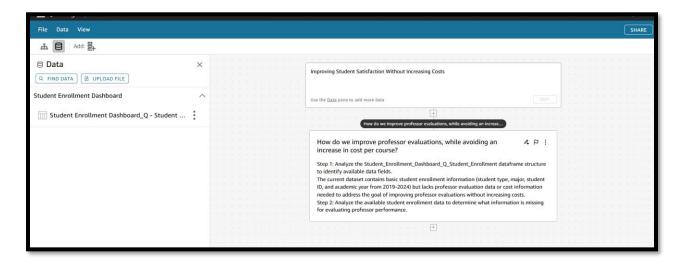


Figure 4 Starting the scenario by Asking the Question - How do we improve professor evaluations, while avoiding an increase in cost per course? Some answers generated

Consider: Do the offered starter questions provide a satisfying start to answering this business question? Why do you think that is? What would make this Scenario more useful?

I think Adding more visuals / data would make scenario better. As mentioned in the answer, lack of professor evaluation data and cost information needed to address the goal of improving professor evaluation without increasing the cost.

Some data / visual depicting Professors with the best average evaluations, Courses with best average evaluations, professors and courses with highest average course costs would be good input to the scenario to generate better result.



Figure 5 Deleting the old scenario

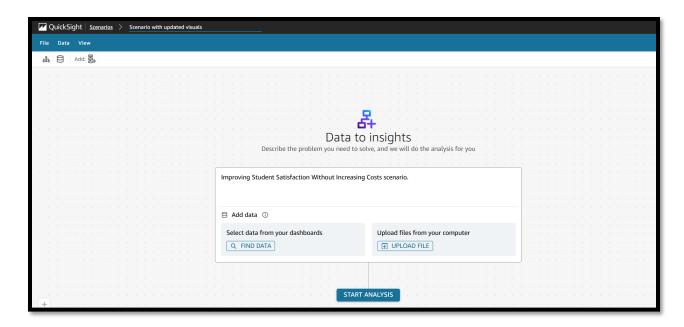


Figure 6 Creating the new scenario with more visuals



Figure 7 Selecting Multiple visuals as required to make it better

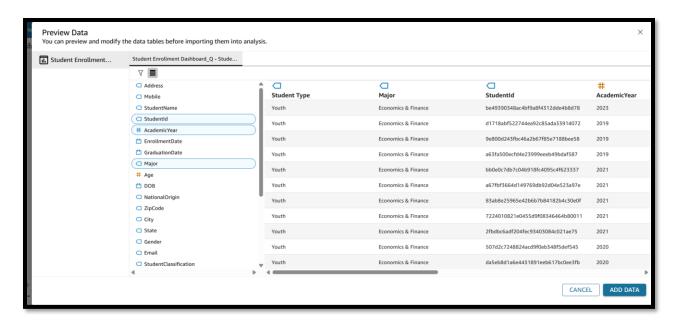


Figure 8 Preview Data

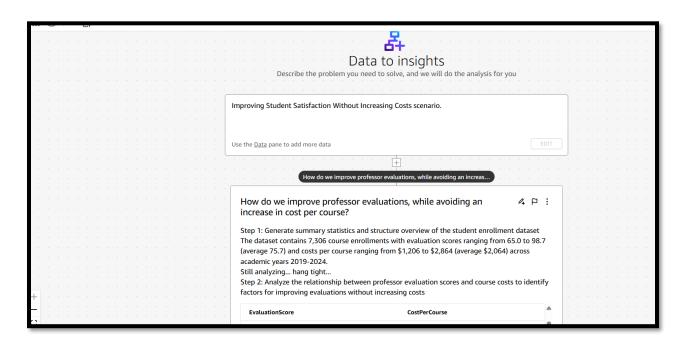


Figure 9 Starting the Scenario with Question How do we improve professor evaluations, while avoiding an increase in cost per course?

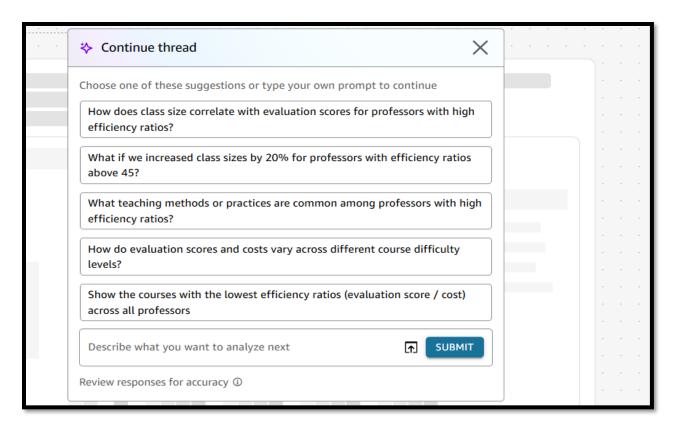


Figure 10 Display of Suggested questions to continue the thread

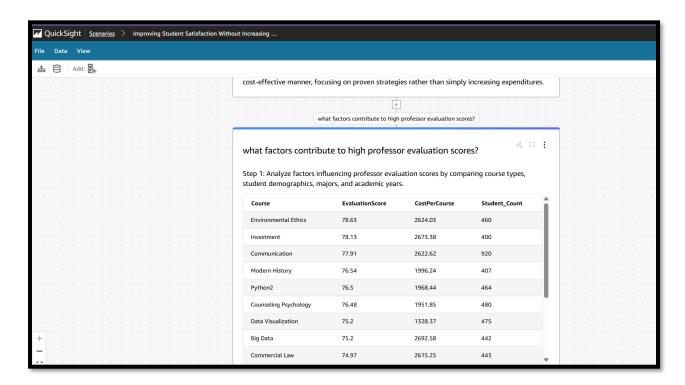


Figure 11 Extending the thread with the question to determine factors contributing to high professor evaluation scores

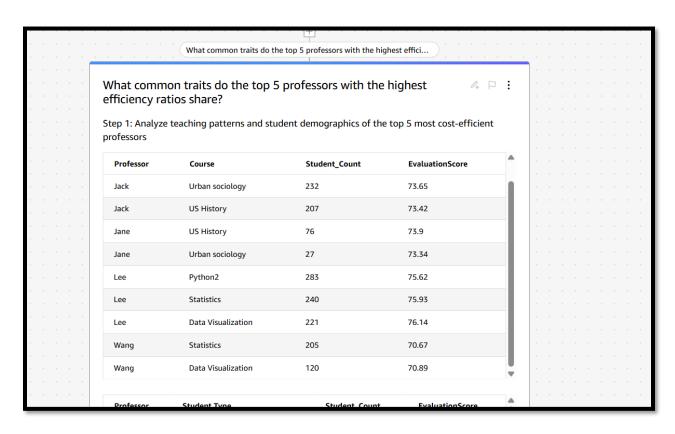


Figure 12 Extending the thread with question - What common traits do the top 5 professors with the highest efficiency ratios share?

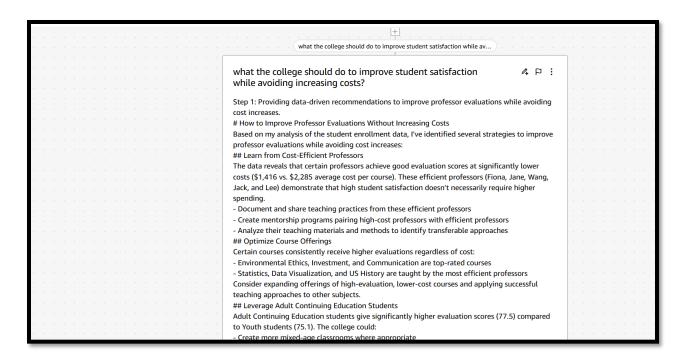


Figure 13 Extending the thread with question - what the college should do to improve student satisfaction while avoiding increasing costs?

What teaching methods are common among the top 5 most 4 P: efficient professors? Step 1: Analyze teaching patterns and evaluation trends of the top 5 most cost-efficient professors across different courses, student types, and academic years. Step 2: Analyze teaching patterns and evaluation trends of the top 5 most cost-efficient professors across different student demographics and class sizes. index Professor Adult_Score Youth_Score Score_Difference 0 77.27 74.67 2.6 Fiona Jack 75.25 72.85 2.4 2 78.7 72.49 6.22 Jane 77.44 75.36 2.08 3 Lee Wang 74.04 69.82 Professor Average_Score Score_Std_Dev 4.83 Jack 73.54 70.75 5.06 Wang Fiona 75.18 5.1

Figure 14 Extending the thread with question what teaching methods which are common among the most efficient professors

Mhat factor	s contribute to th	ne consistent ev	aluation scor	es 4 F	ı :
	emic years for the			C5 P+ F	•
	•	•	•		
				sors including cour	se
issignments,	student demograp	ohics, and evaluat	ion score tren	ds.	
Professor	AcademicYear	Mean_Score	Std_Dev	Student_Count	
Fiona	2020	75.31	4.96	43	
Fiona	2021	75.24	5.2	79	н
Fiona	2022	73.8	6.07	27	
Fiona	2023	76.26	5.64	47	
Fiona	2024	74.7	3.78	51	
Jack	2019	73.7	6.2	85	
Jack	2020	73.28	3.86	77	
Jack	2021	73.21	4.19	148	

Figure 15 Extending the thread with the question - What factors contribute to the consistent evaluation scores across academic years for the top 5 efficient professors?