



University of Utah Enrollment



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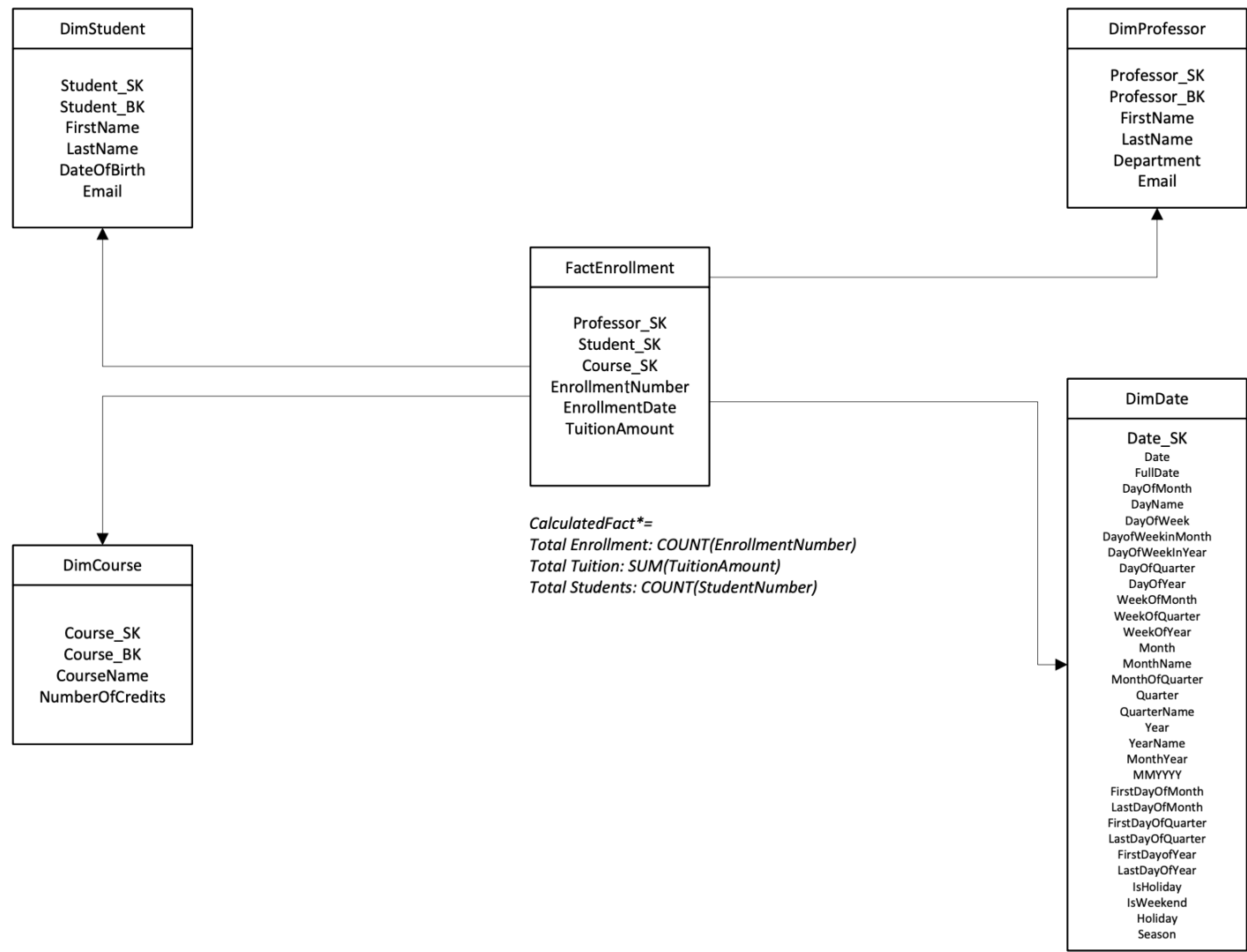
Overview

The University Enrollment Database serves the administrative team, managing student data and academic information. It is hosted securely within the university's IT infrastructure. Data is updated each semester, providing insights for informed decisions on effective student management, performance analysis, and course management.



Star Schema

Enrollment Dimensional Design



Business Requirements



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01. What is the distribution of costs among courses at the University of Utah?
 02. Which season has the highest enrollment counts at the University of Utah?
 03. How many students are enrolled in each quarter, course, and department?
 04. How much revenue is generated in each quarter, course, and department?
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Power Pivot Analysis

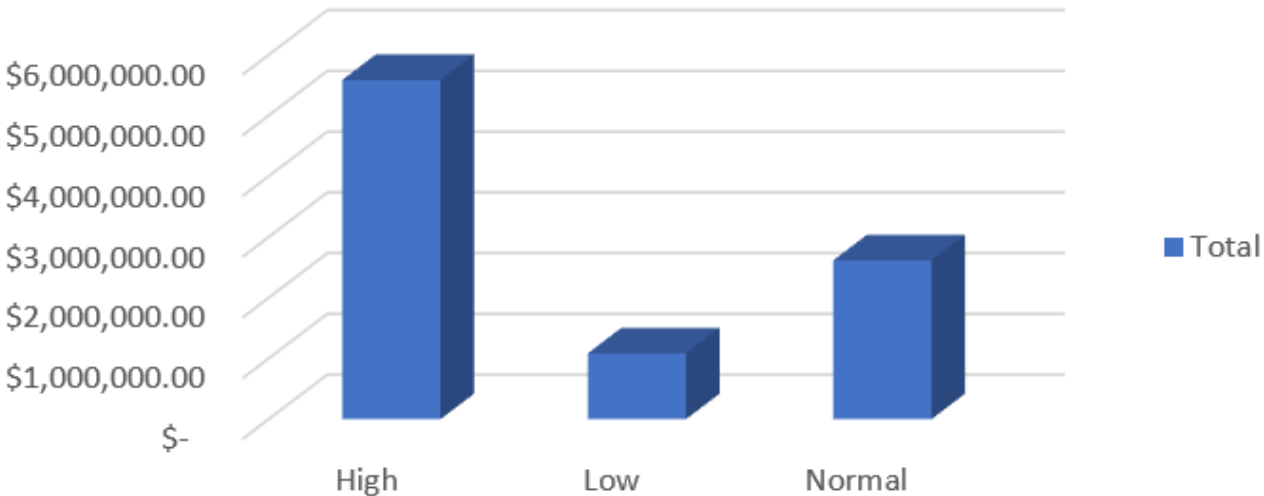
Row Labels	Sum of TuitionAmount
⊕ High	\$ 5,586,188.00
⊕ Low	\$ 1,084,356.00
⊕ Normal	\$ 2,616,193.00
Grand Total	9286737

Business Requirement: What is the distribution of cost (High, Low, Normal) among courses at University of Utah?

NOTE: These business requirements are different/alterd than those from part 1, given that we don't have certain information (such as semesters).

Sum of TuitionAmount

Courses vs Tuition Type

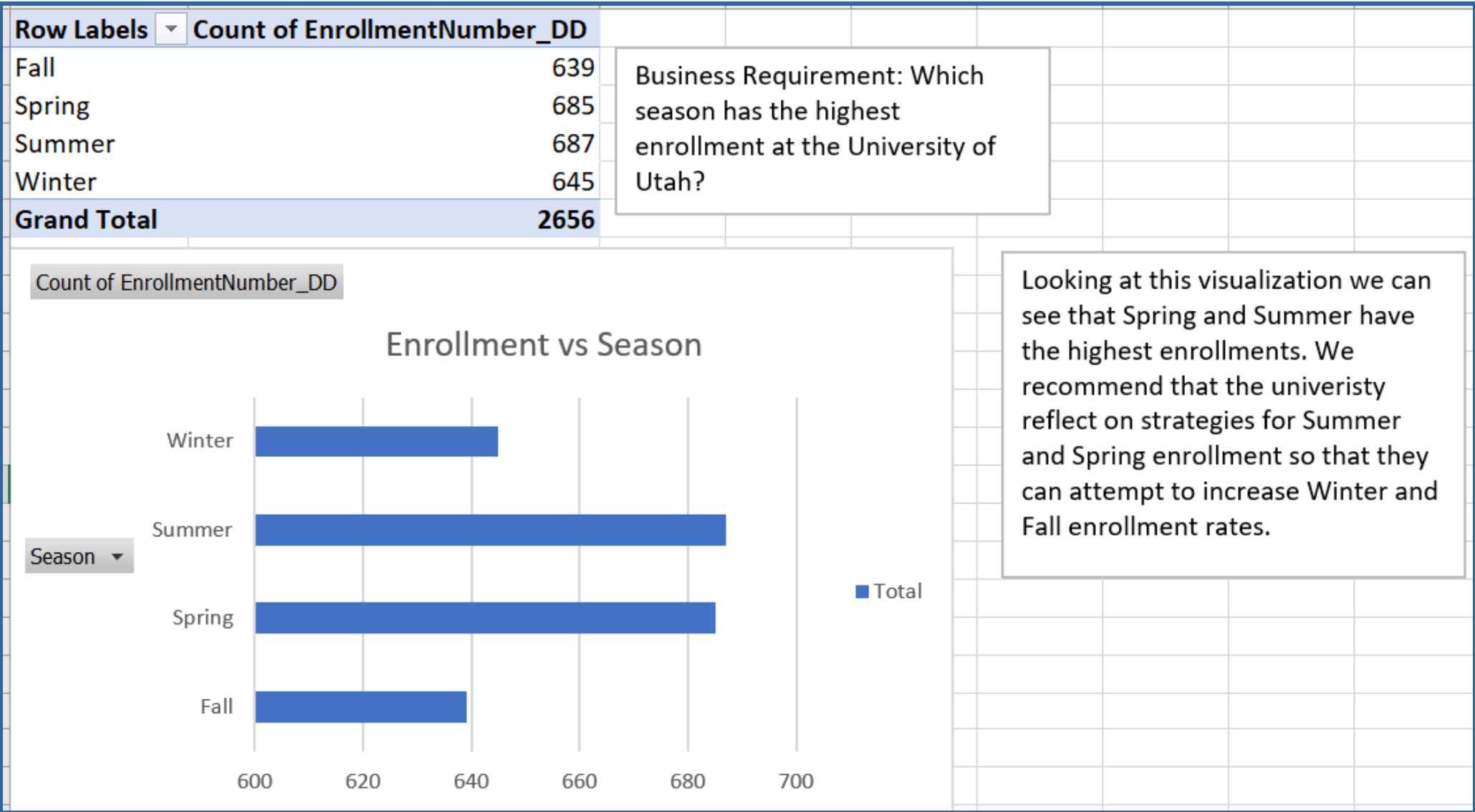


Tuition Type CourseName

+ -

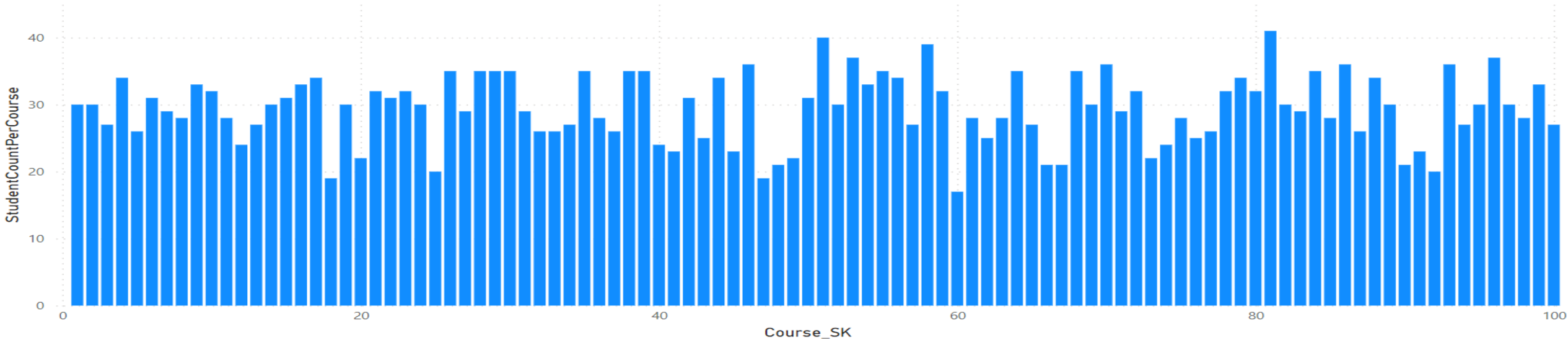
This visualization was created using the tuition type column (generated using DAX function) and indicates that there is a largely uneven distribution of cost level among courses at University of Utah. Our recommendation to the university would be to re-assess the cost of the majority of their courses, to see how they can make them for affordable to students and hopefully raise enrollment.

Power Pivot Analysis Pt. 2



Power BI Analysis

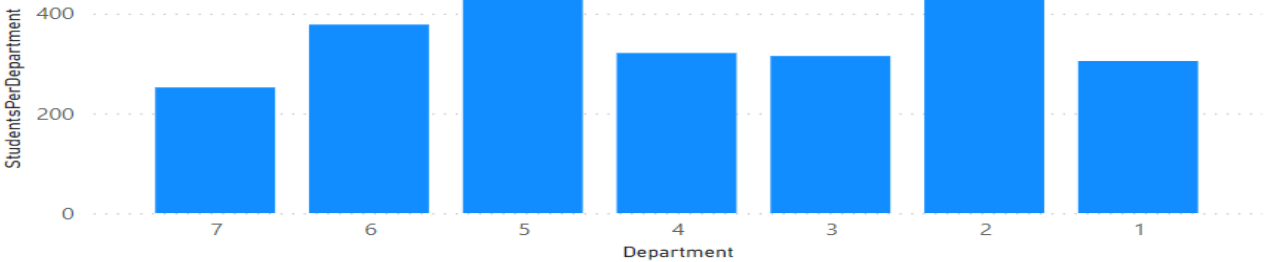
StudentCountPerCourse by Course_SK



MinStudentCount	Course_SK	Course_SK	MaxStudentCount
17	60	81	41
17		Total	41

DepartmentWithMostProfessors	Department	DepartmentWithLeastProfessors	Department
64	3	45	7
64		45	

Students Per Department

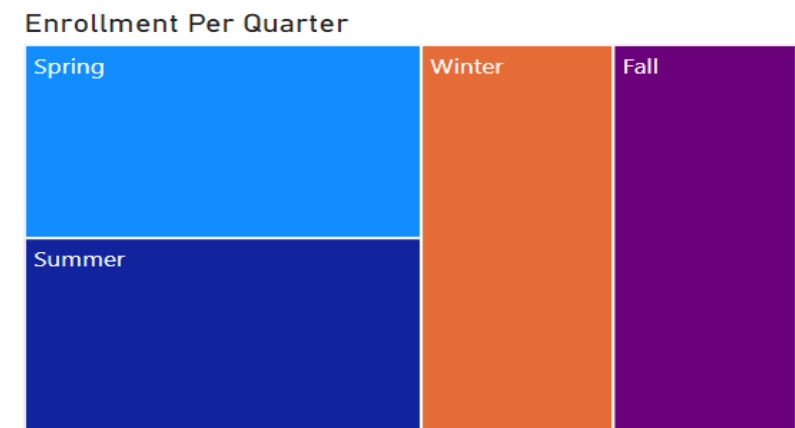
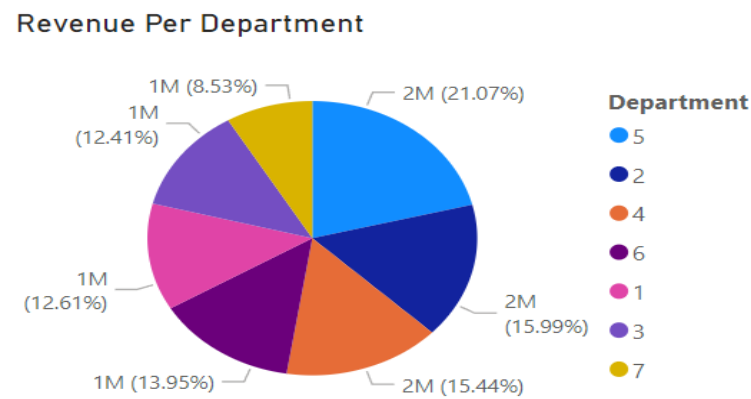
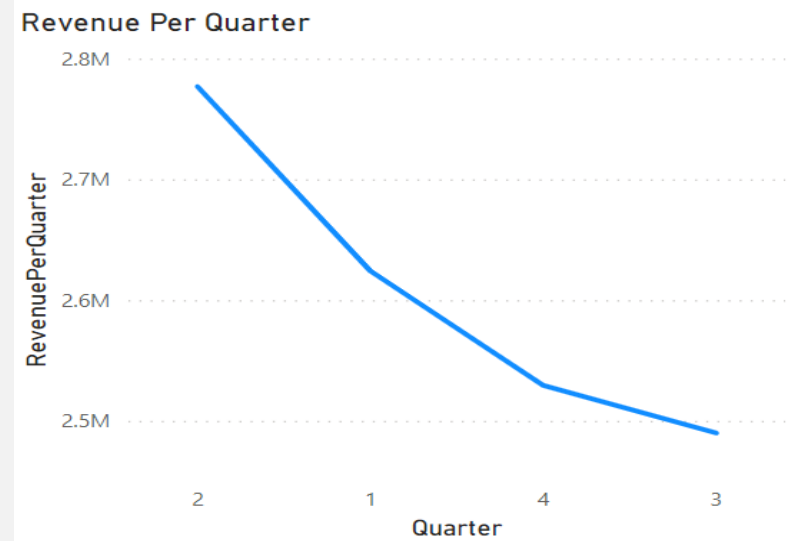
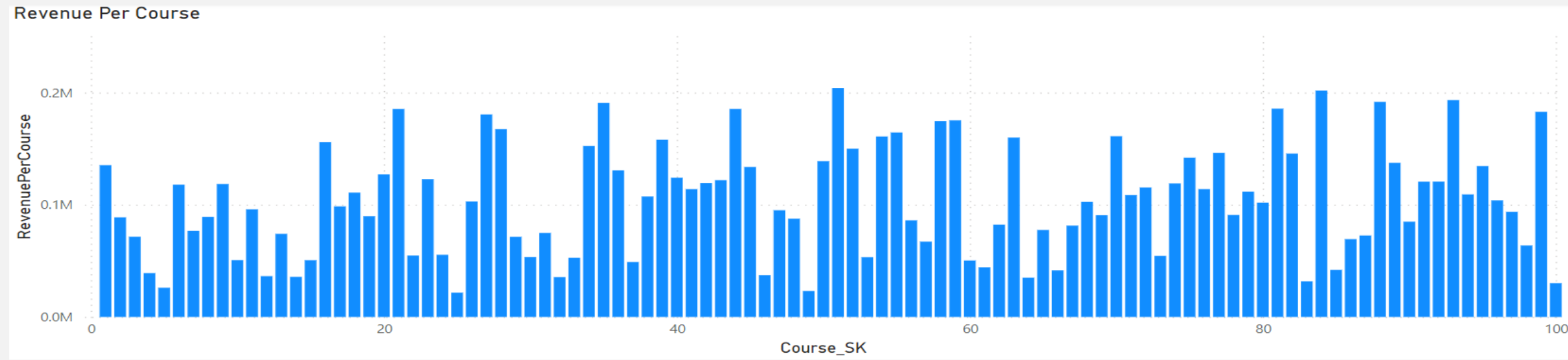


Recommendations



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01. Decrease the number of course taught by each professor
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02. Invest in increasing the number of professors in Department Number 3 while reducing the number of professors from Department Number 5
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03. Delve deeper in understanding the reason why certain courses have such high or low enrollment rates

Power BI Analysis Pt.2



Recommendations



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01. Offer more financial aid assistance for Fall and Winter quarters
 02. Work on improving the quality of each department
 03. Offer more online courses
 04. Increase advertisement few months prior to slower quarters
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Thank You

We're happy to answer your questions!

Team #6

