

# STUDENT SUCCESS METRICS

## A COMPREHENSIVE DATA ANALYSIS

### Basic Questions

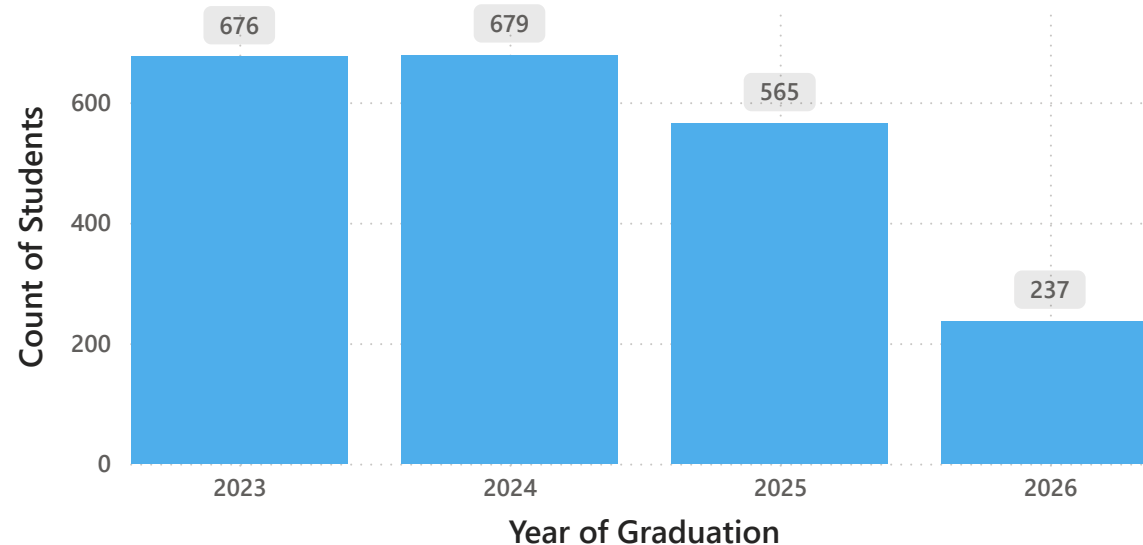
1. How many unique students are included in the dataset?

**2157**

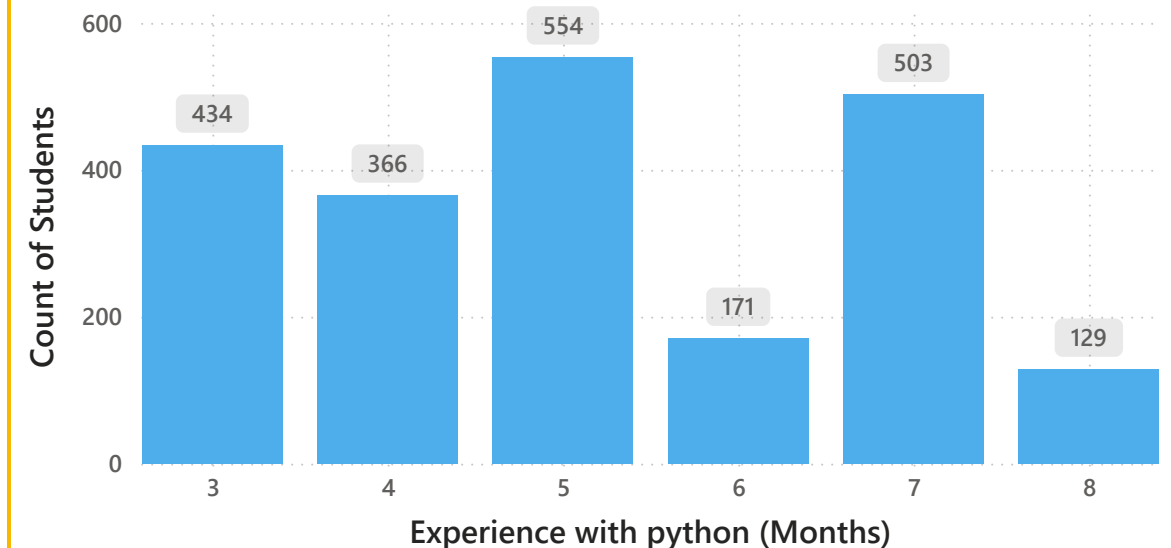
2. What is the average GPA of the students?

**8.03**

3. What is the distribution of students across different graduation years?



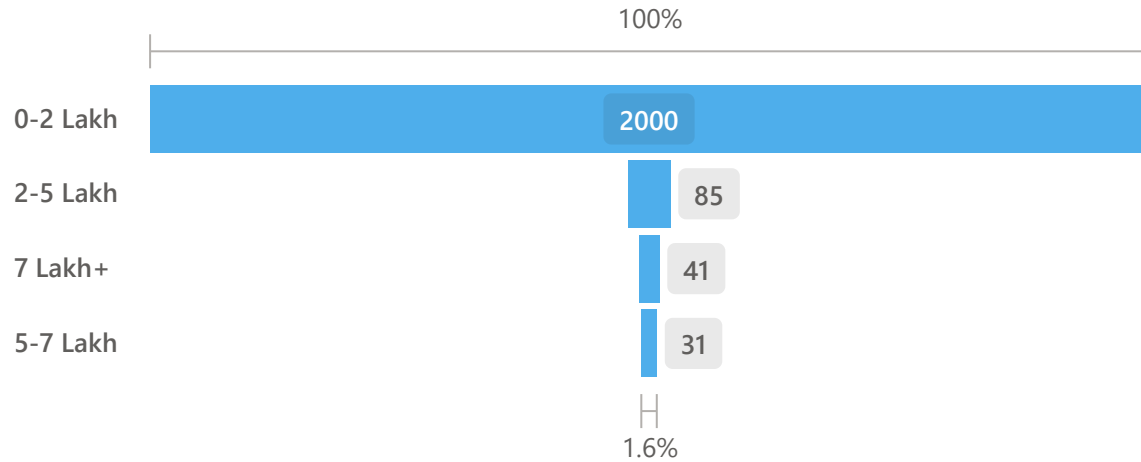
4. What is the distribution of students' experience with Python programming?



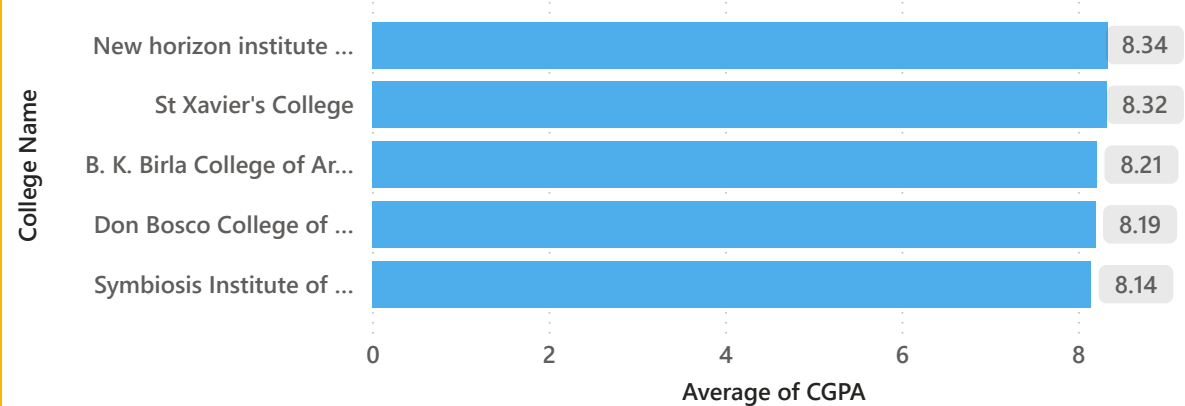
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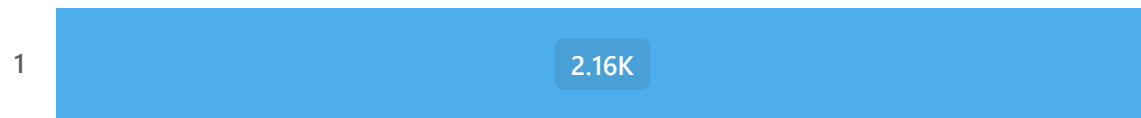
5. What is the average family income of the students?



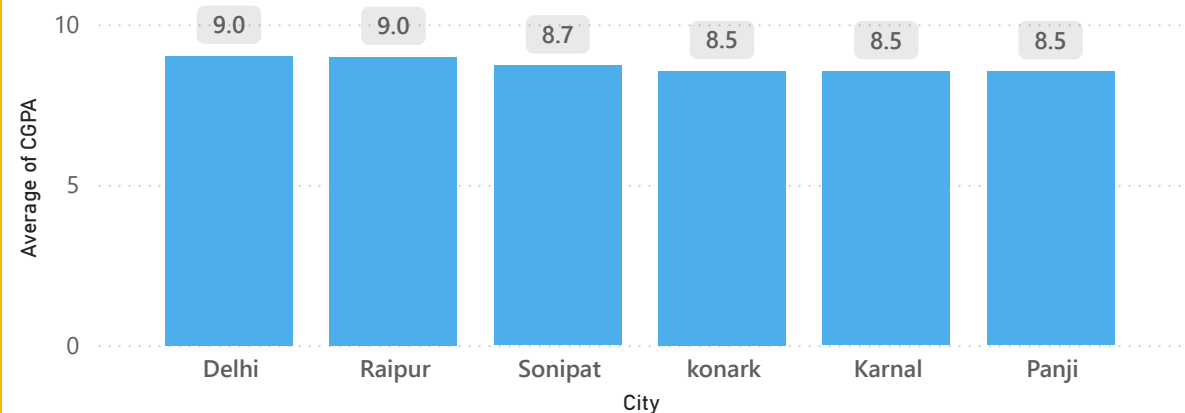
6. How does the GPA vary between different colleges? (Show top 5 results only)



7. Are there any outliers in the quantity (number of courses completed) attribute?



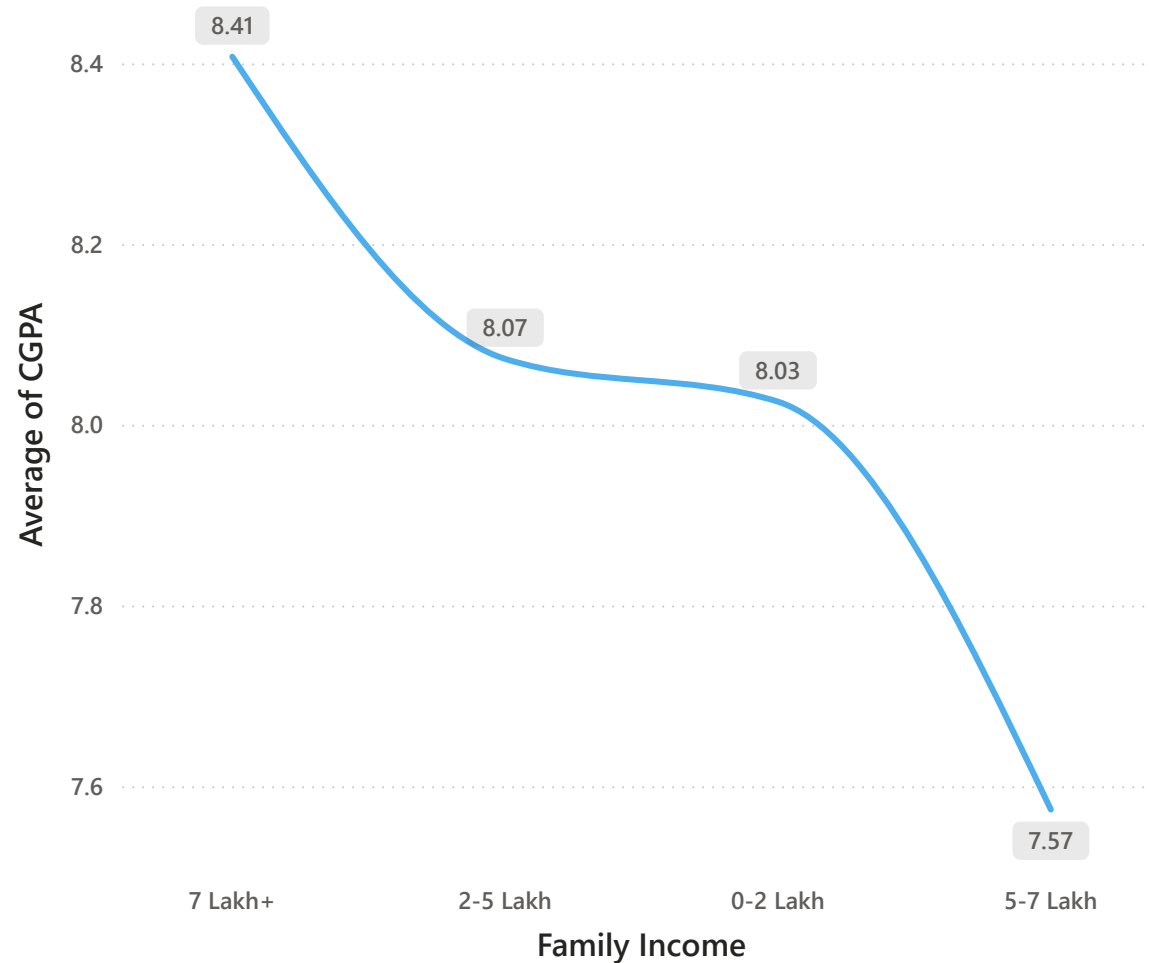
8. What is the average GPA of students from each city? (Show top 5 results only)



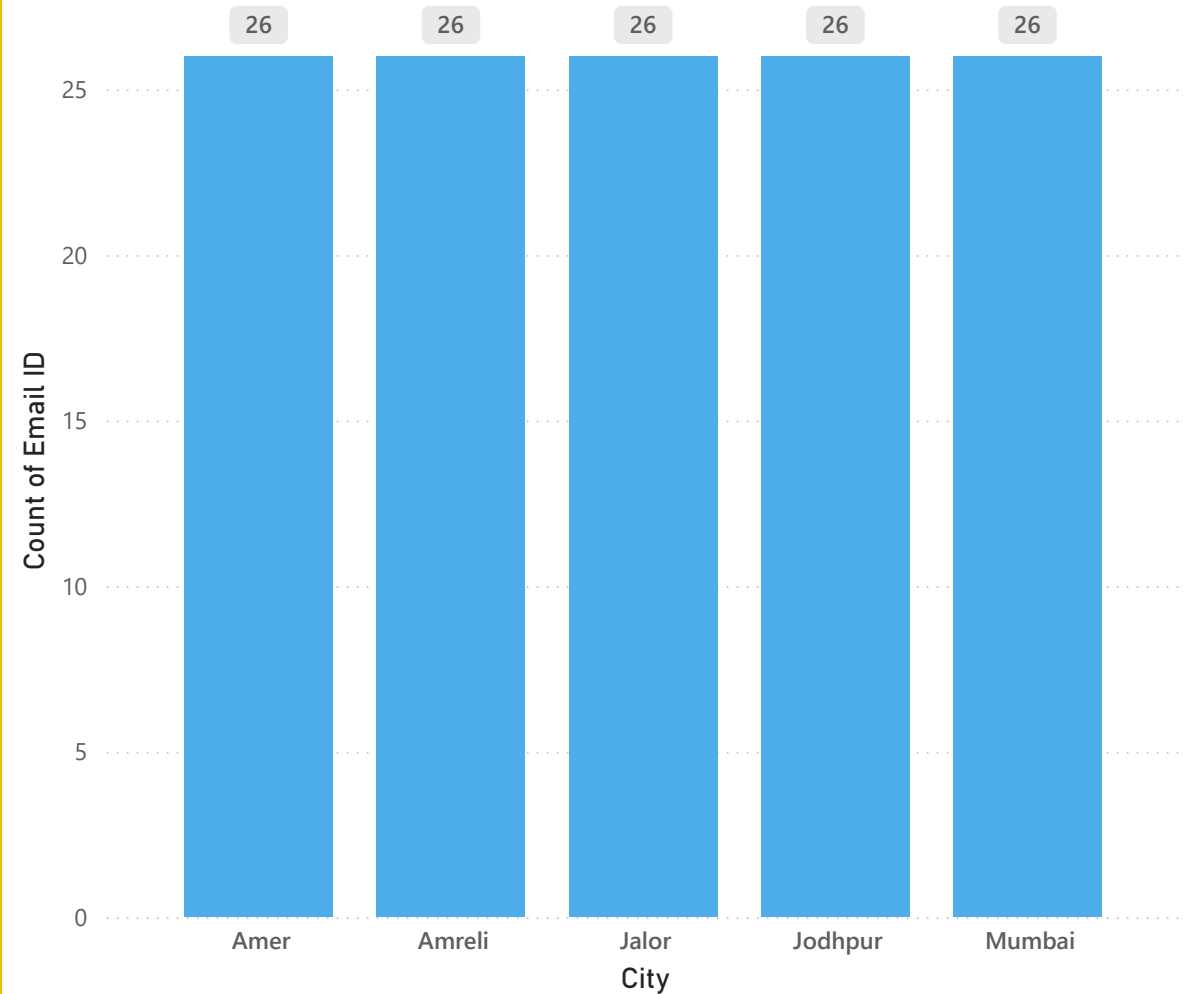
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9. Can we identify any relationship between family income and GPA?

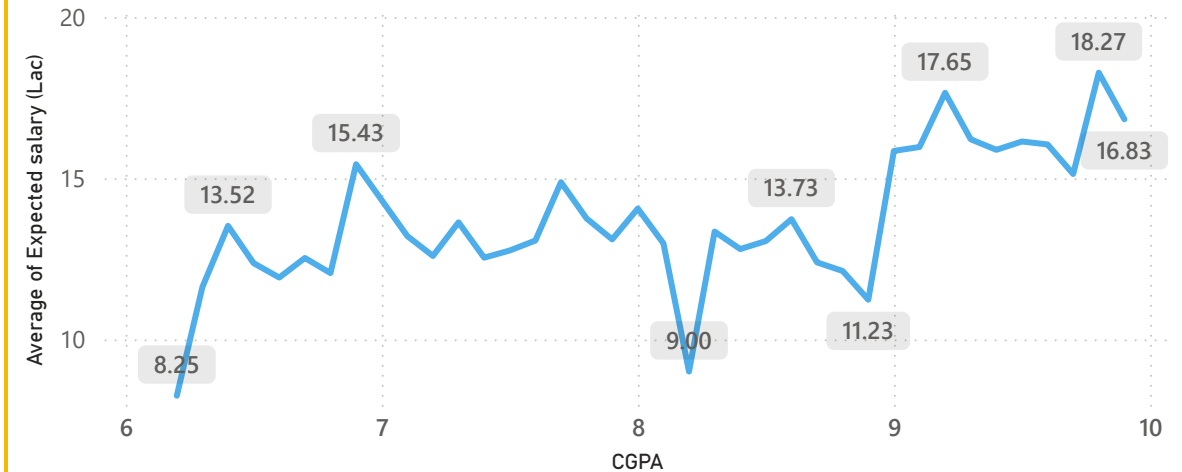


10. How many students are from various cities? (Show top 5 results only)

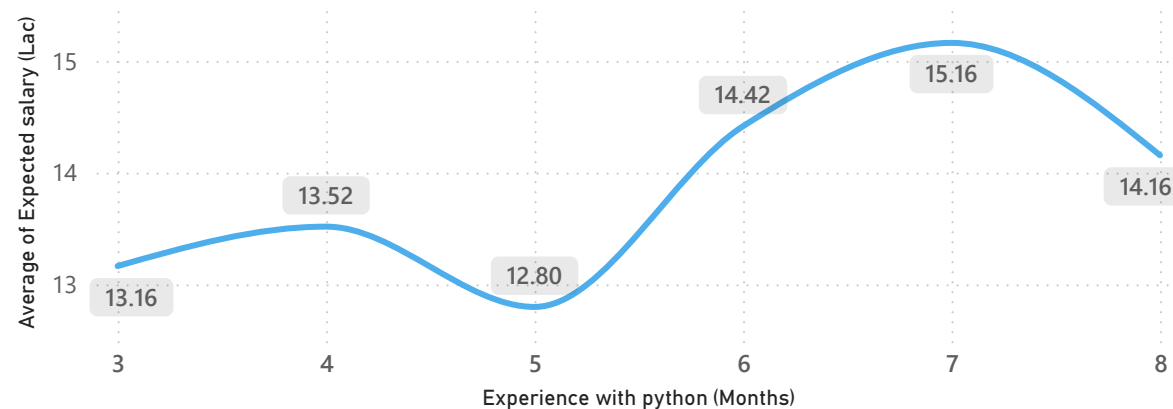


### Moderate Questions

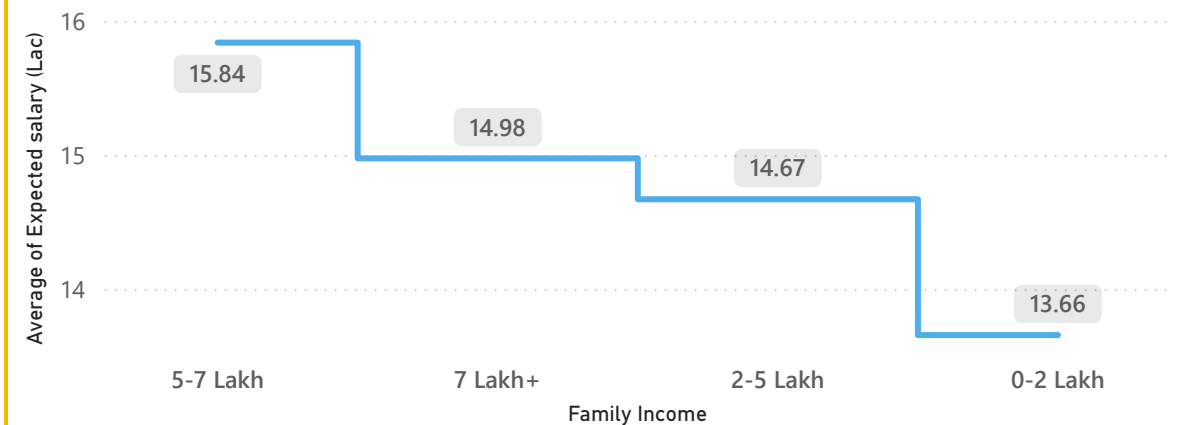
11. How does the expected salary vary based on factors like 'GPA'?



11. How does the expected salary vary based on factors like 'Experience with Python (Months)'?



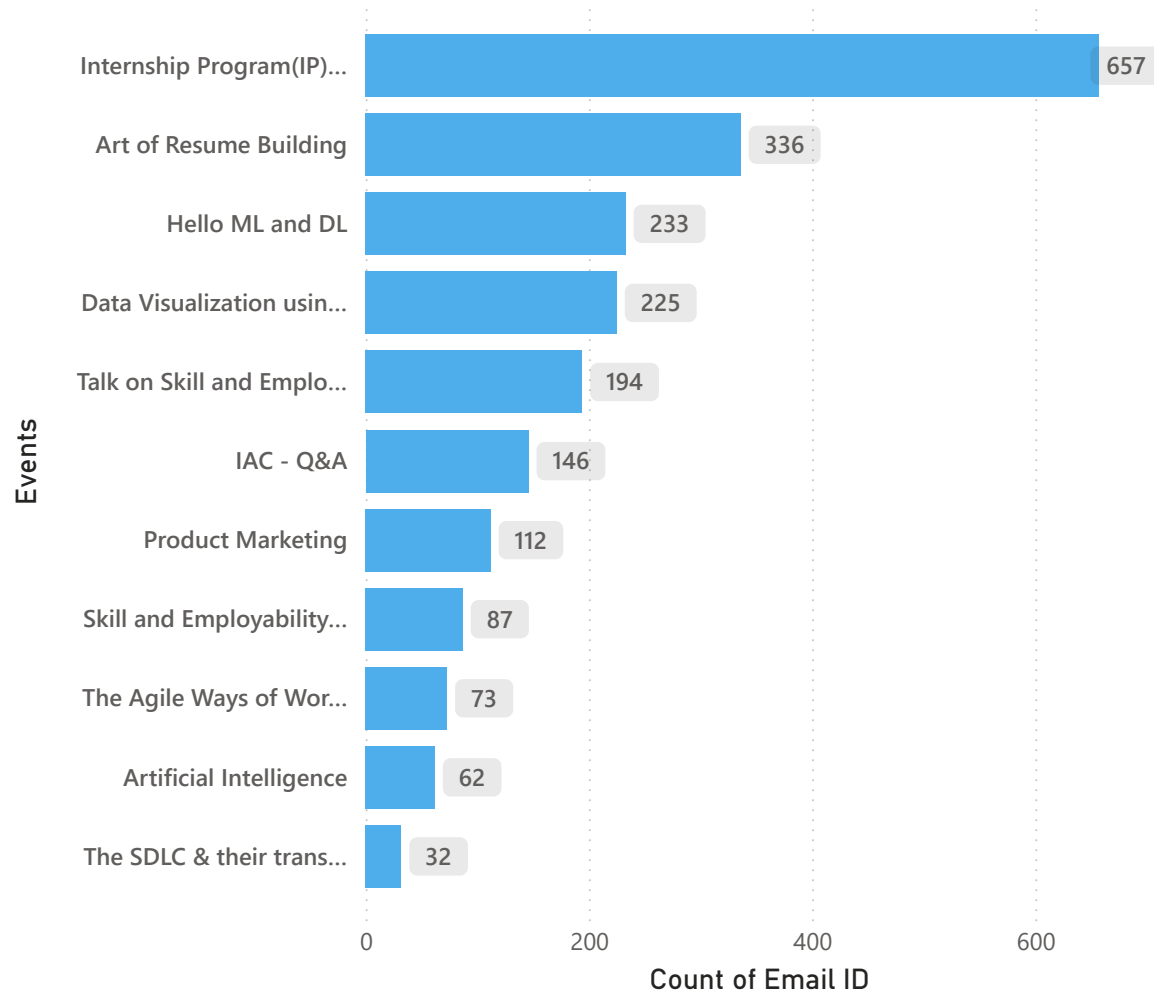
11. How does the expected salary vary based on factors like 'Family income'?



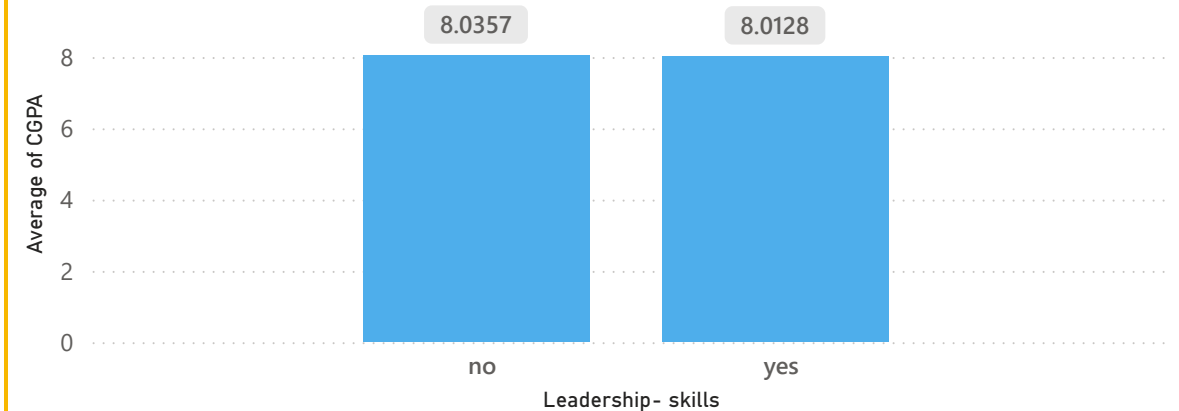
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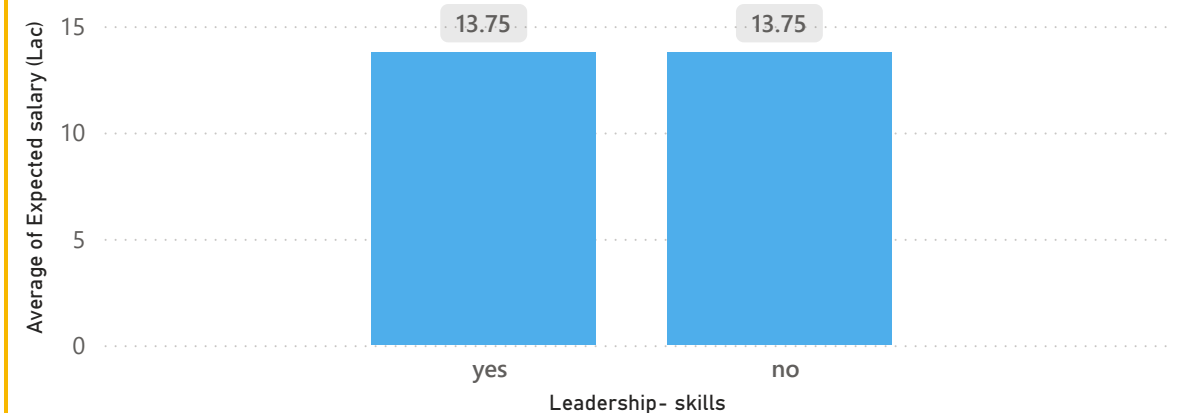
12. Which event tends to attract more students from specific fields of study? (Student distribution according to event)



13. Do students in leadership positions during their college years tend to have higher GPAs?



13. Do students in leadership positions during their college years tend to have better expected salary?

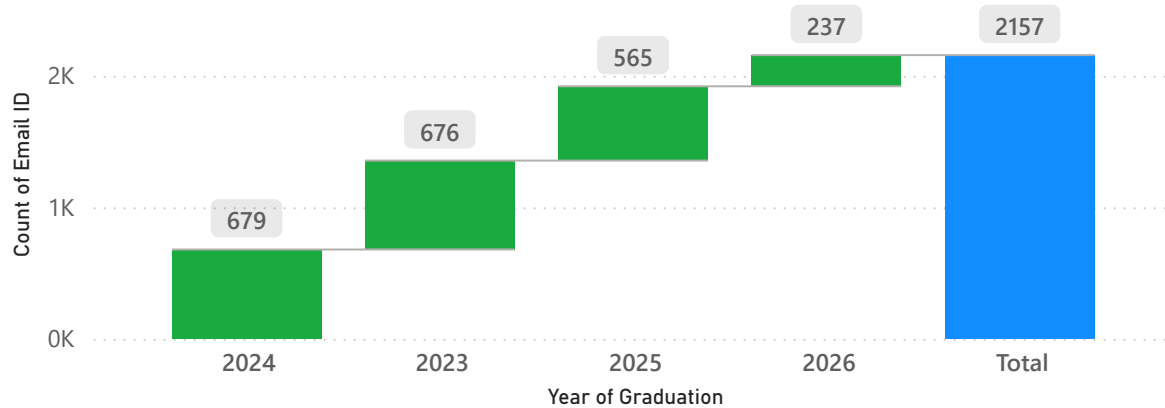


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14. How many students are graduating by the end of 2024?

● Increase ● Decrease ● Total

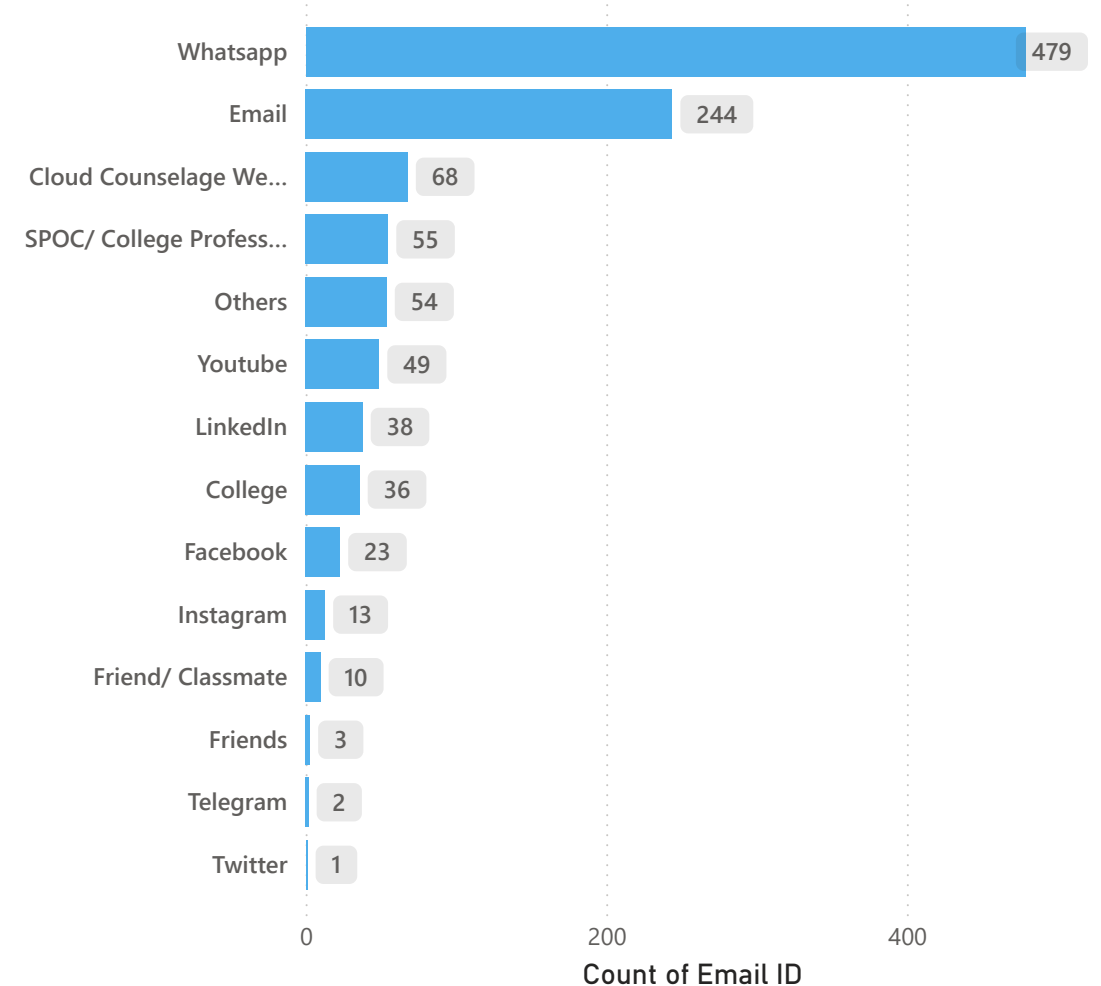


16. Find the total number of students who attended the events related to Data Science?

Events	Count of Email ID
Hello ML and DL	233
Data Visualization using Power BI	225
Artificial Intelligence	62
Total	520

15. Which promotion channel brings in more student participation for the event?

How did you come to know about this event?



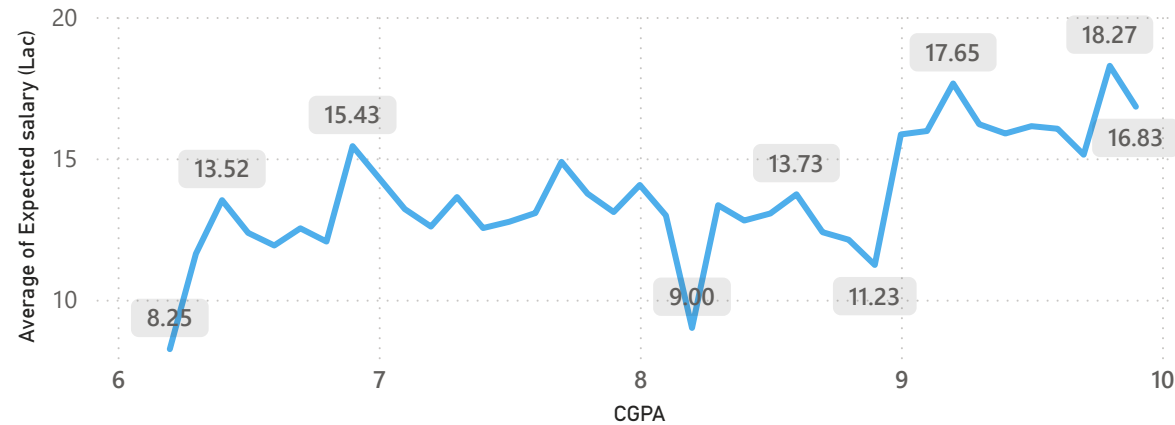


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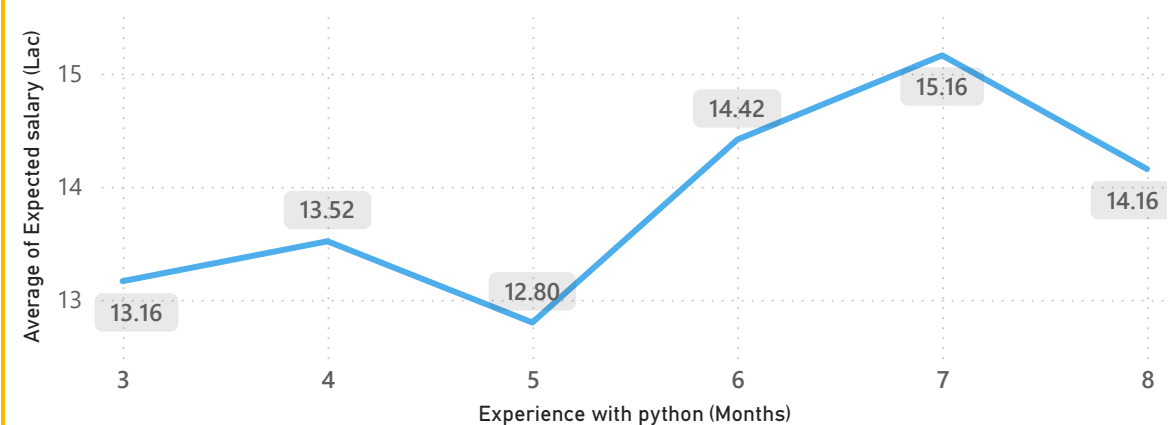
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17. Those students who have high CGPA also have high expectations for salary? (Avg)



17. Those students who have more experience in Python also have high expectations for salary? (Avg)



18. How many students know about the event from their colleges? Which of these top 5 colleges?

