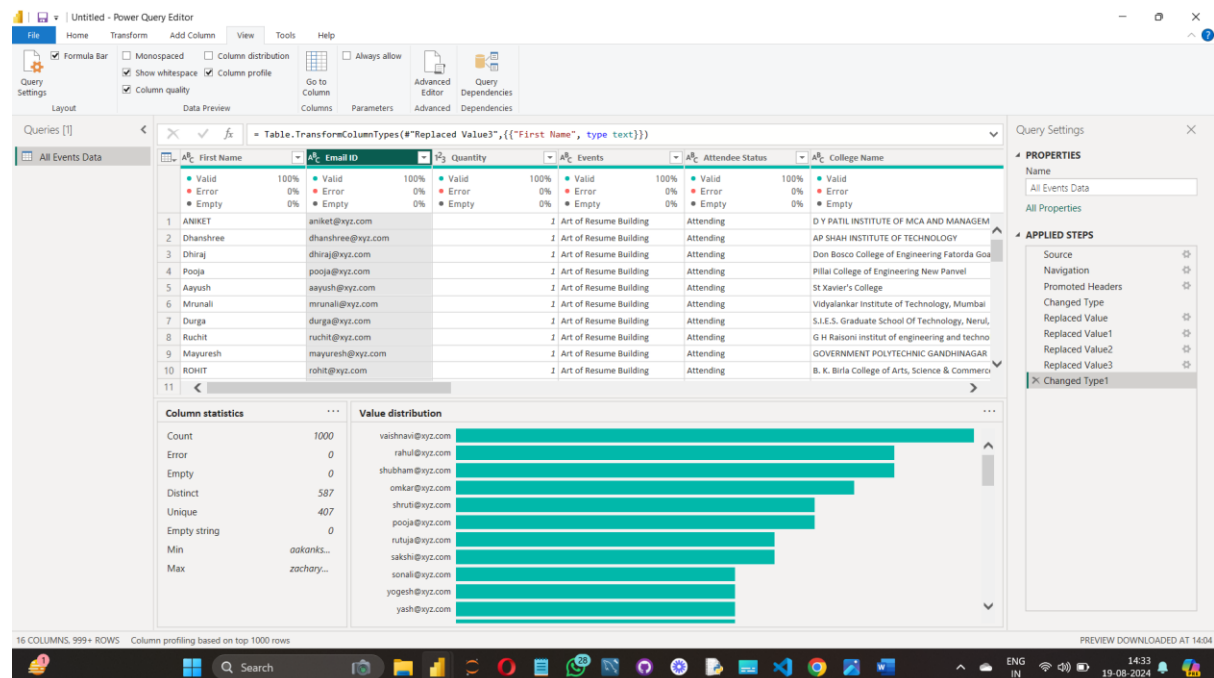


Q/A:

BASIC QUESTION:

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

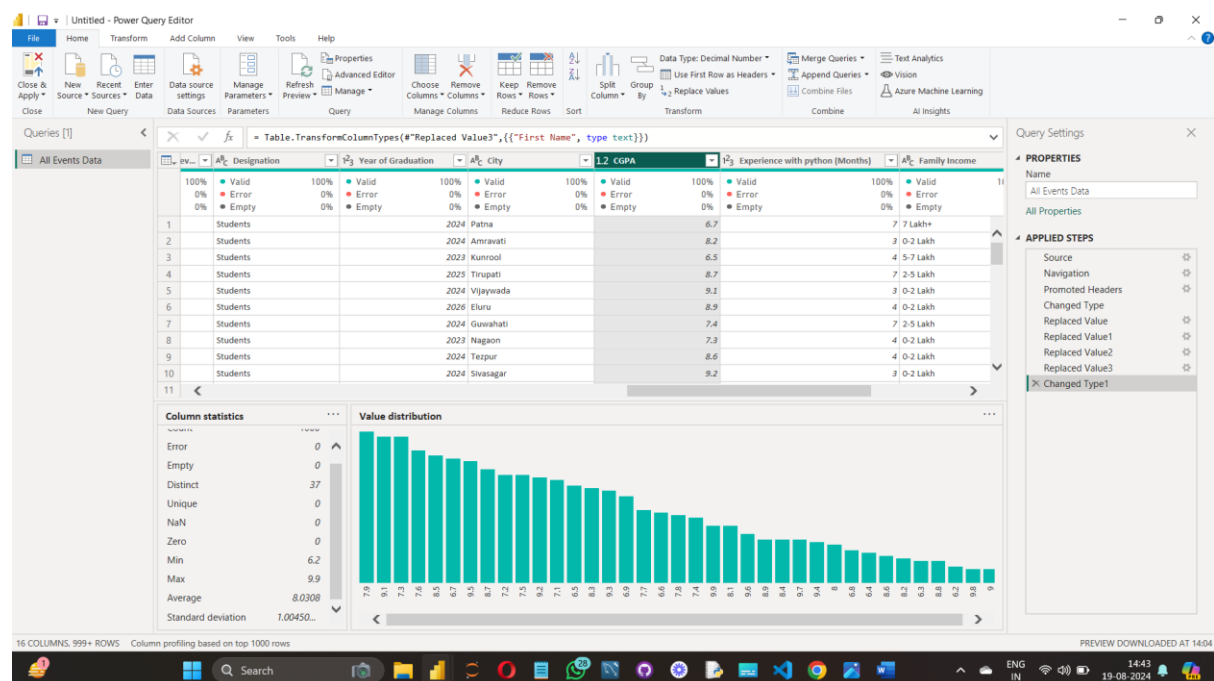
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Conclusion: 407 unique students are included in the dataset.

2] What is the average GPA of the students?

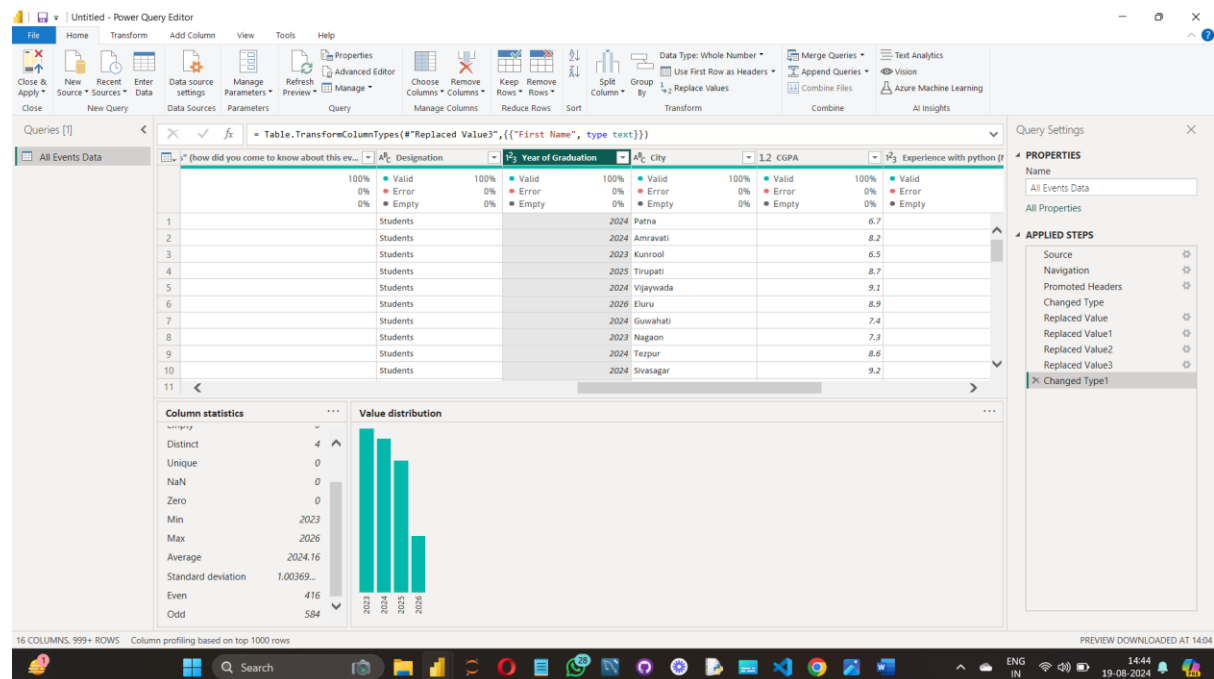
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Conclusion: 8.0308 is the average GPA of the students.

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

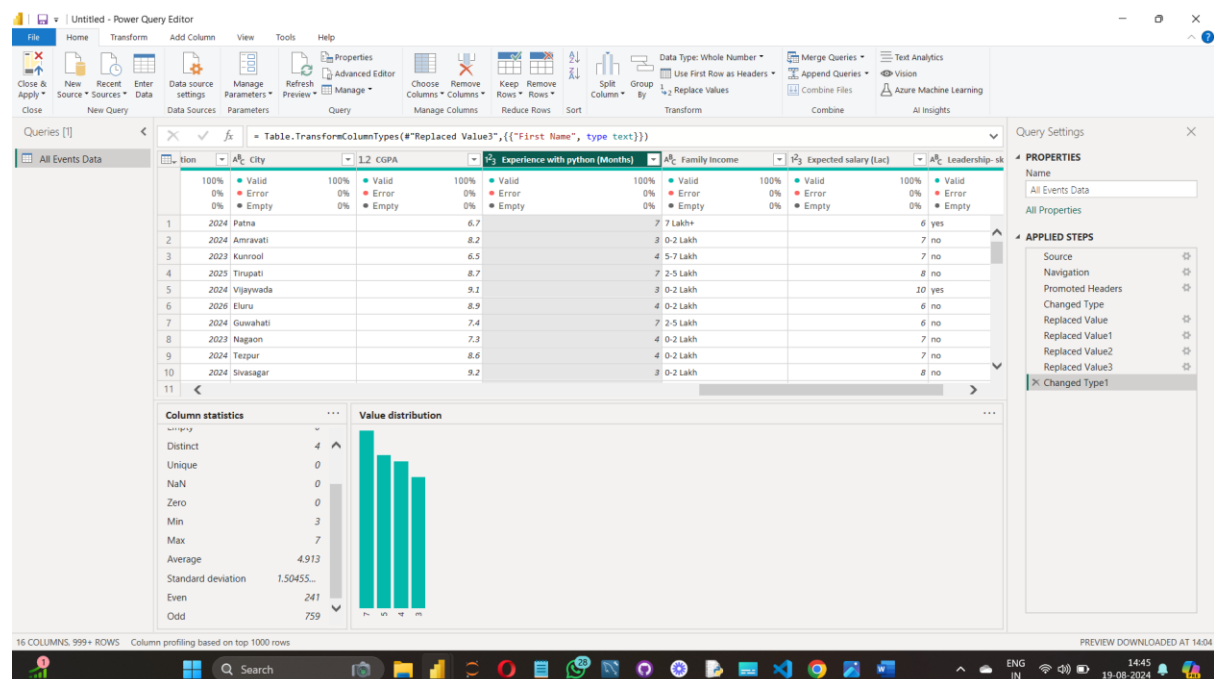
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Conclusion: 1.0036 is the distribution of students across different graduation years.

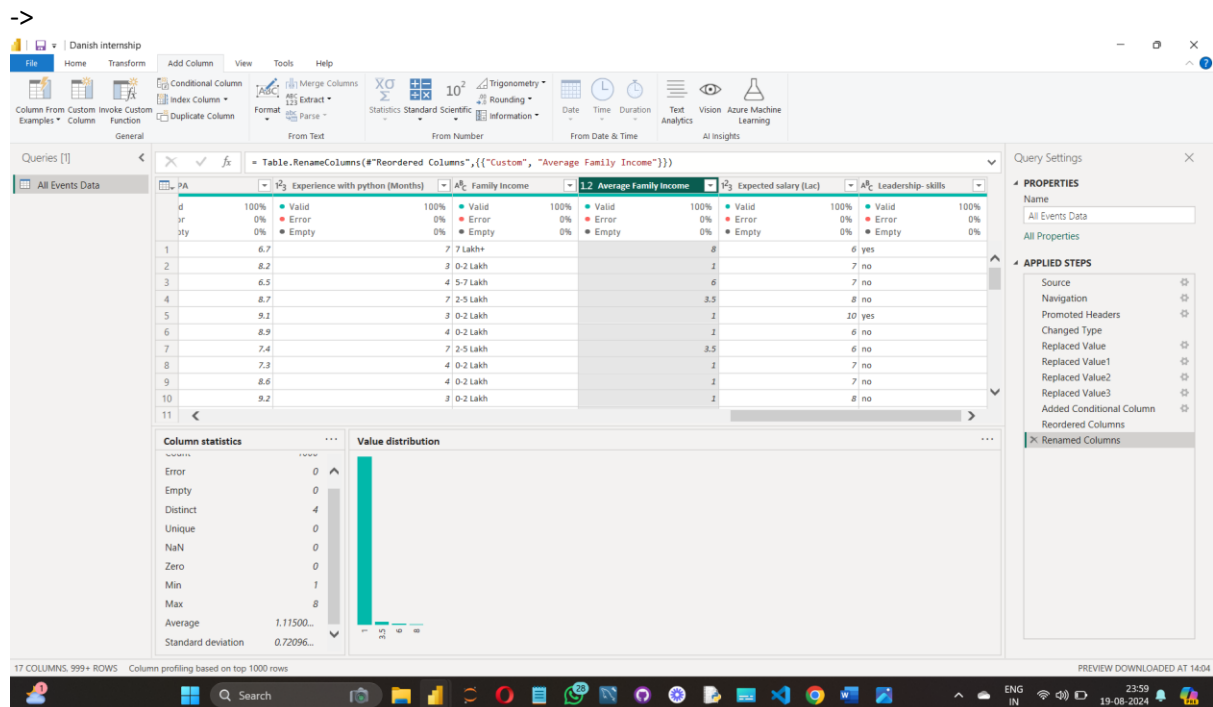
4] What is the distribution of student's experience with python programming?

->



Conclusion: 1.5045 is the distribution of student's experience with python programming.

5] What is the average family income of the student?



Conclusion: 1,1150 is the average family income of the student.

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

-> Conclusion: The GPA vary among different colleges as follow:

College Name	Average of CGPA
St Xavier's College	8.20
THAKUR INSTITUTE OF MANAGEMENT STUDIES, CAREER DEVELOPMENT & RESEARCH - [TIMSCDR]	8.17
AP SHAH INSTITUTE OF TECHNOLOGY	8.16
B. K. Birla College of Arts, Science & Commerce (Autonomous), Kalyan	8.16
Vidyalankar Institute of Technology, Mumbai	8.12
<b>Total</b>	<b>8.15</b>

Conclusion: The GPA vary among different colleges as mentioned above.

8] What is the average GPA for student from each city?

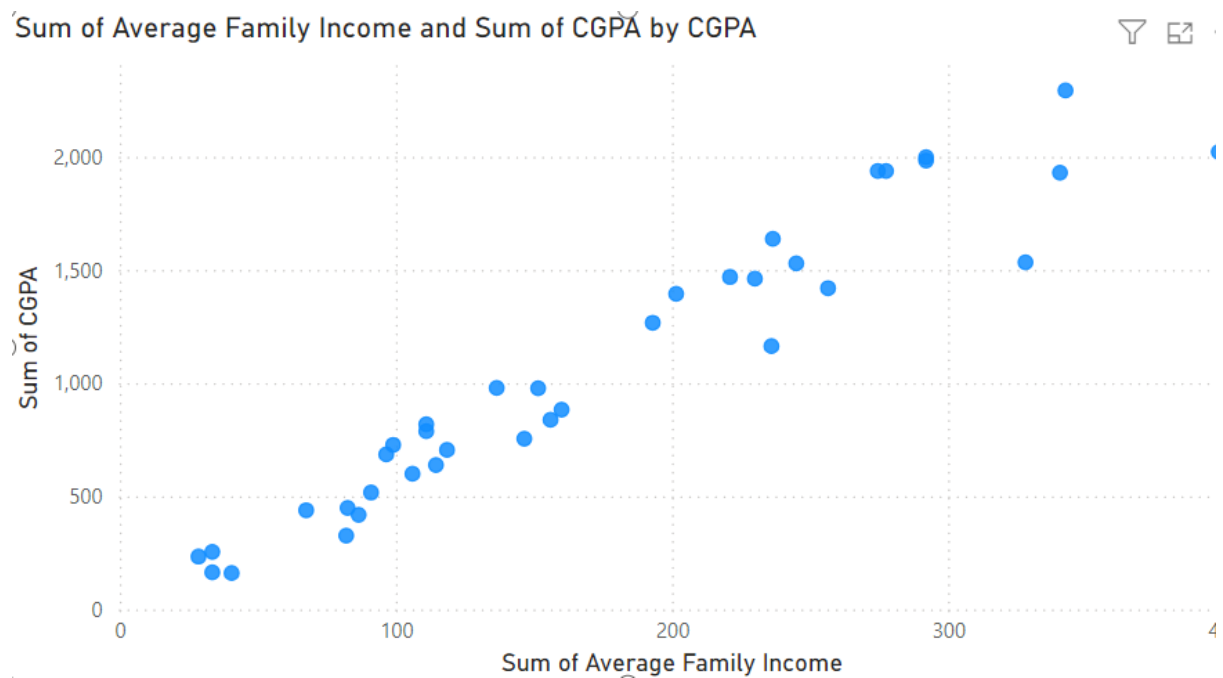
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City	Average of CGPA
Kolhapur	8.56
Raipur	8.51
Sonipat	8.46
Gurugram	8.46
Puri	8.45
Siwan	8.45
<b>Total</b>	<b>8.48</b>

Conclusion: The average GPA for student from each city as mentioned above.

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

->



Conclusion: Based on the scatter plot, there appears to be a weak positive correlation between the sum of average family income and the sum of CGPA.

MODERATE QUESTION:

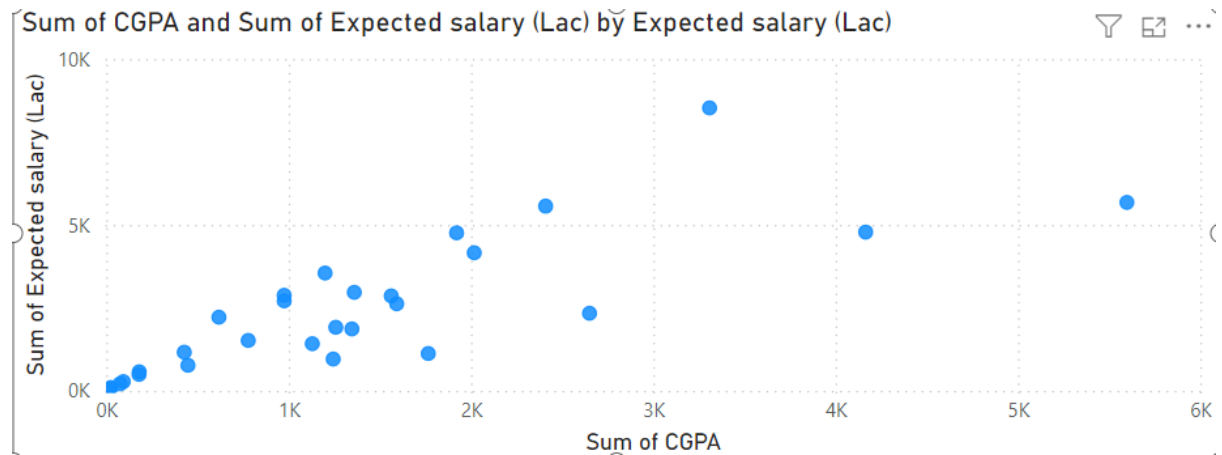
10] How many students from various cities? (Solve using data visualization tool).

City	Count of First Name
Agartala	28
Agra	27
Ahemdabad	51
Ajmer	50
Akola	39
Aligarh	28
Alipore	28
Almora	28
Ambala	43
Ambikapur	14
Amer	49
Amravati	6
Amreli	50
Amritsar	50
Anantnag	14
Aurangabad	50
<b>Total</b>	<b>2157</b>

Conclusion: Total 2157 students from various cities.

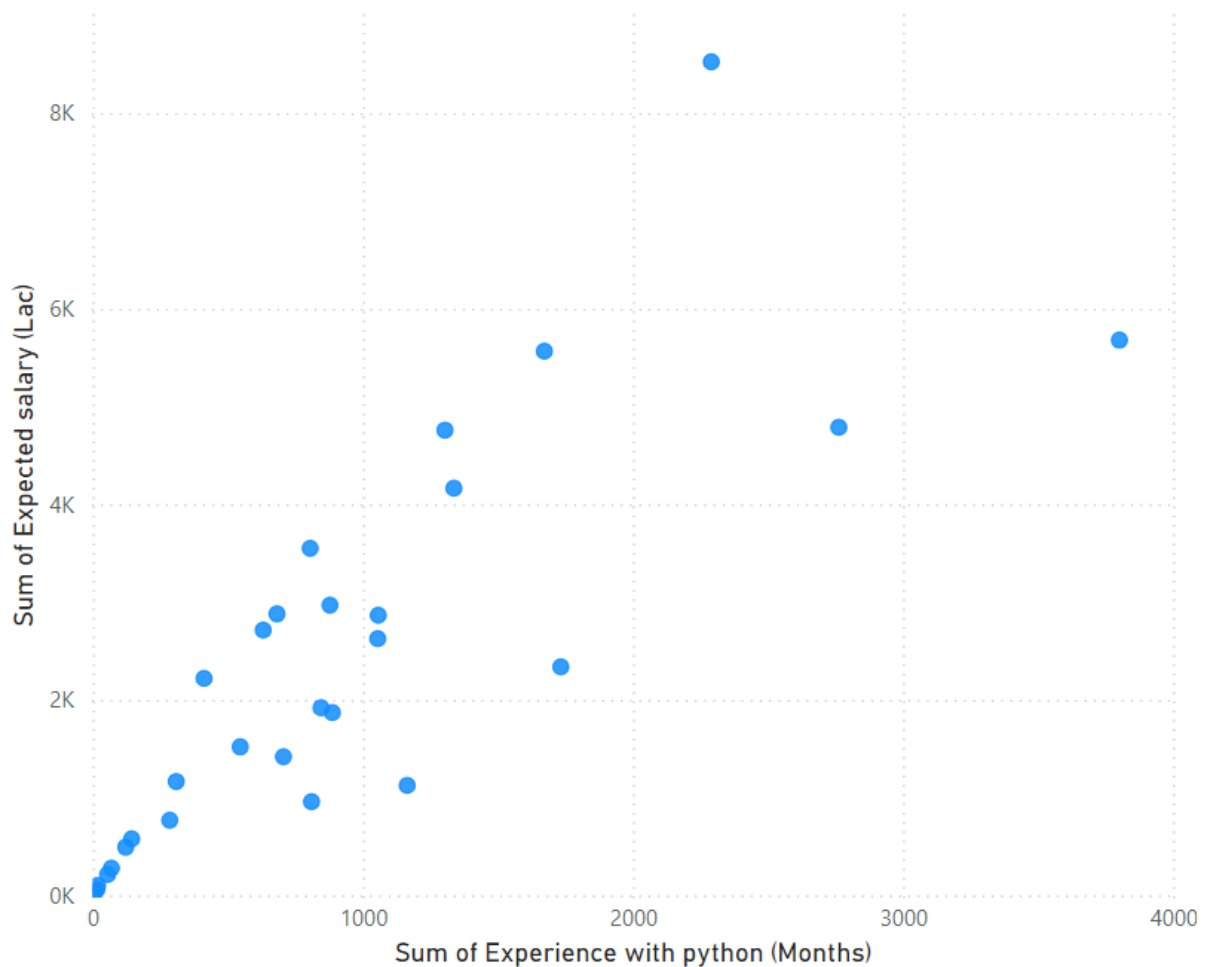
11] How does the expected salary vary based on factors like GPA, Family Income, Experience with python (Months)?

->

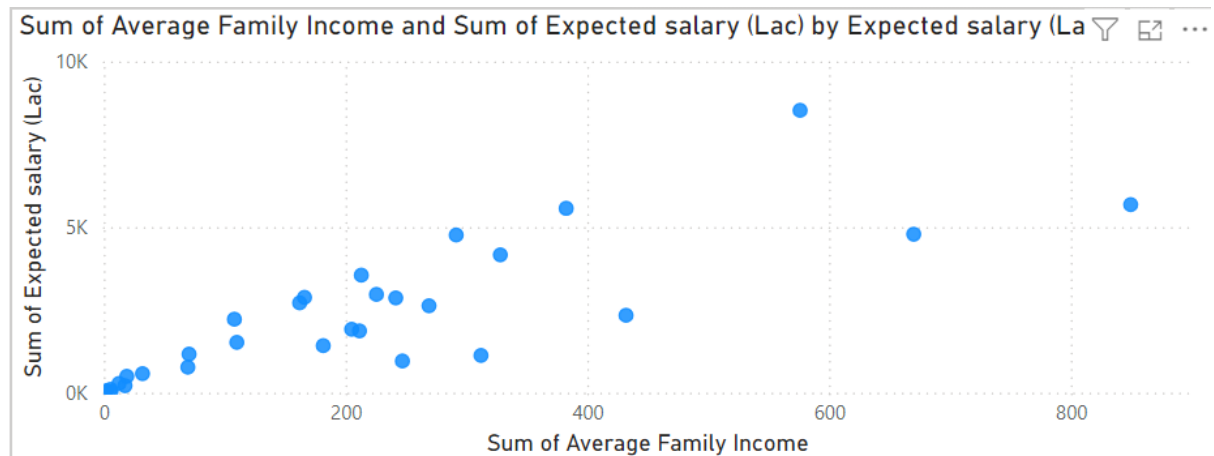


Conclusion: **Sum of CGPA and Sum of Expected Salary:** This plot shows a general positive correlation, suggesting that as the sum of CGPA increases, the sum of expected salary tends to increase as well.

Sum of Experience with python (Months) and Sum of Expected salary (Lac) by Expected salary (Lac)



**Conclusion: Sum of Experience with Python (Months) and Sum of Expected Salary:** This plot also shows a positive correlation, suggesting that as experience with Python increases, the expected salary tends to increase.

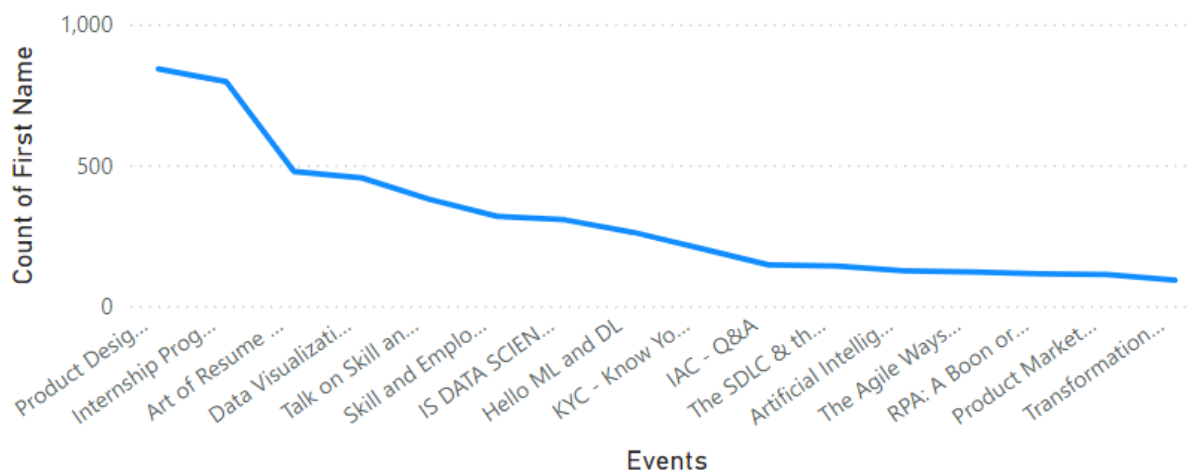


**Conclusion: Sum of Average Family Income and Sum of Expected Salary:** This plot shows a weaker positive correlation compared to the other two. While there's a general upward trend, the points are more scattered, indicating that family income might have a less significant impact on expected salary compared to CGPA and Python experience.

12] Which event trend to attract more student from specific field of study?

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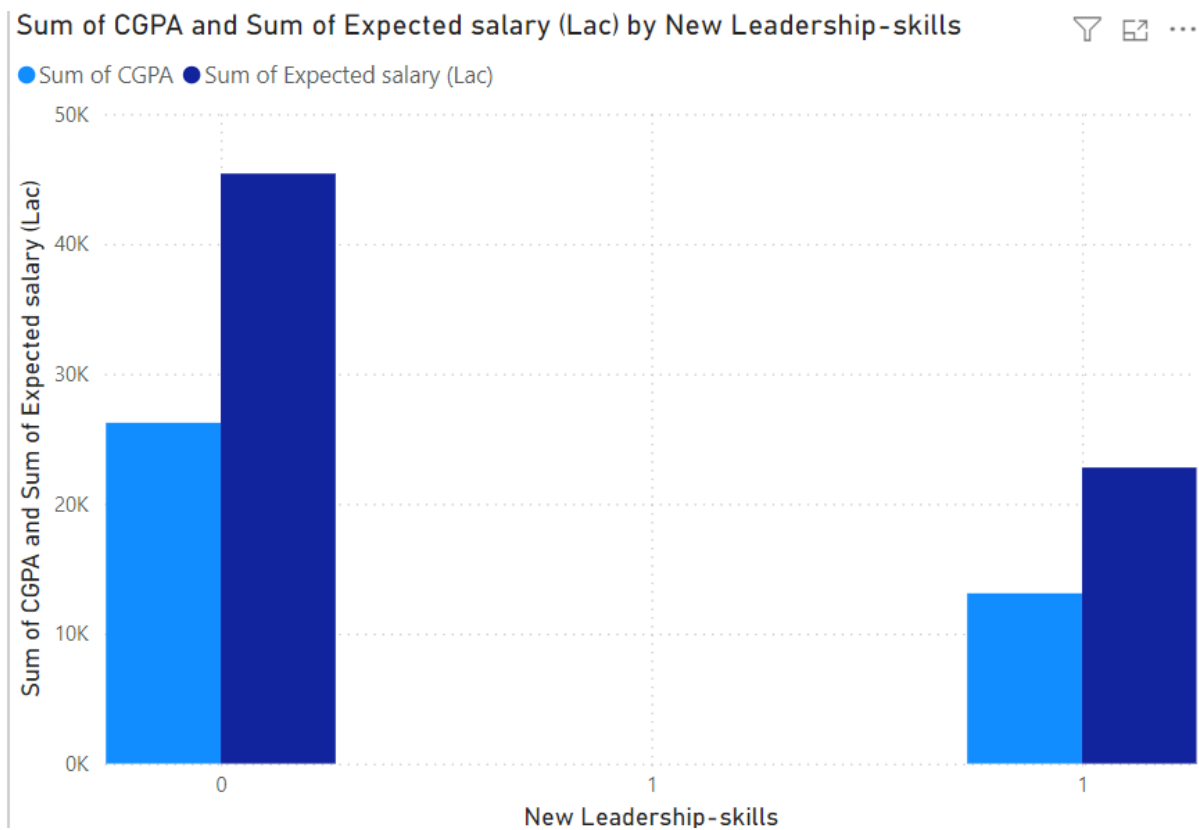
Count of First Name by Events



**Conclusion:** "Product Design" and "Internship Program" seem to attract more student from specific field of study.

13] Do students in leadership position during their college years tend to have higher GPAs or better expected salary?

->



**Conclusion: Higher Average GPA:** Students who held leadership positions tend to have slightly higher average GPAs compared to those who didn't.

**Higher Expected Salary:** Students with leadership experience also report higher expected salaries.

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

->

10M

Sum of Year of Graduation

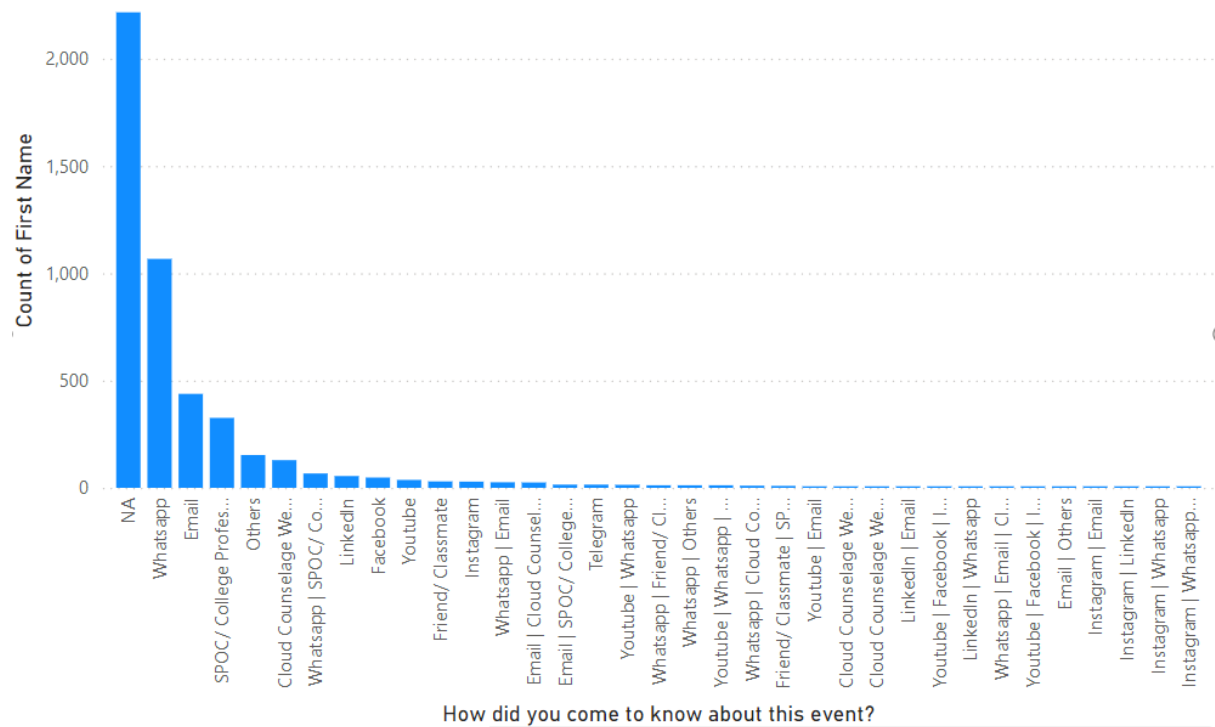
Conclusion: 10M students are graduating by the end of 2024.

15] Which proportion channel bring in more student participation for the event?

->

Count of First Name by How did you come to know about this event?

🔍 📄 ...

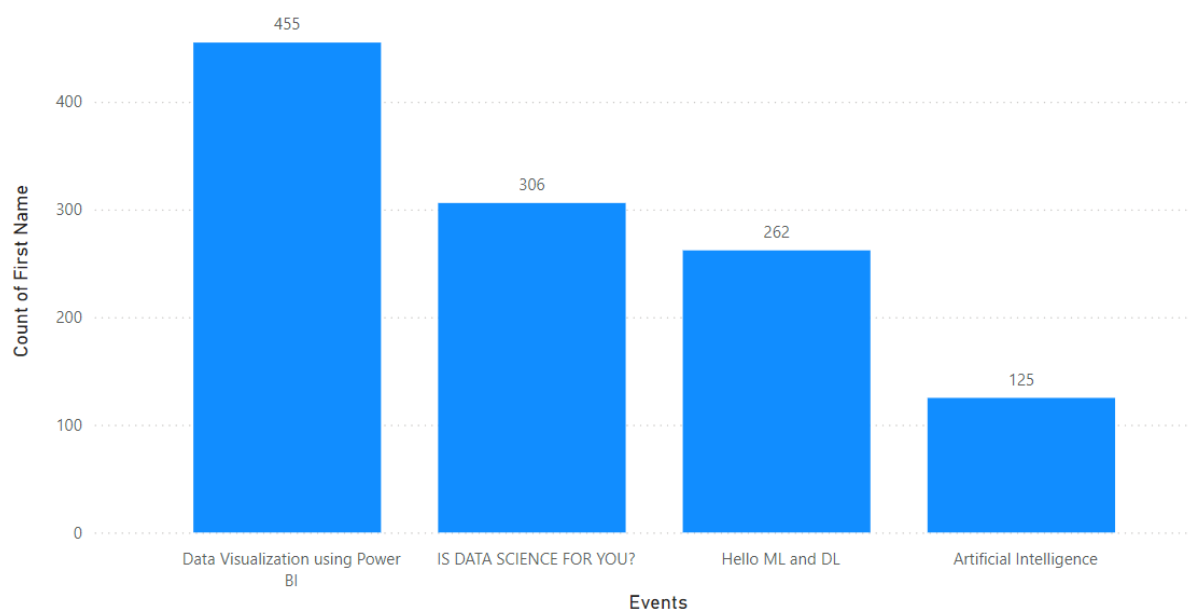


Conclusion: WhatsApp" and "Email" seem to be the most popular channels for spreading awareness about the event.

16] Find the total number of students who attended the event related to Data Science? (from all Data Science related courses)

->

Count of First Name by Events



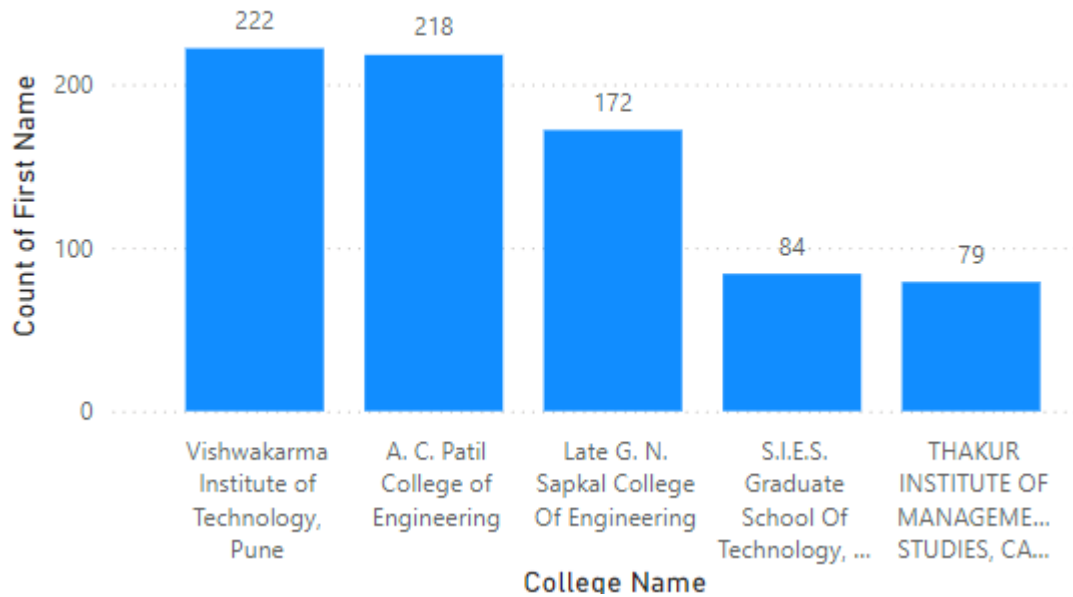


Conclusion: The total number of students who attended the event related to Data Science is 1148.

18] How many students know about the event from their college? Which of these Top 5 colleges?

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**Count of First Name by College Name**



Conclusion: The college with the highest number of students is Vishwakarma Institute of Technology, Pune, with 222 students, followed by A.C. Patil College of Engineering with 218 students.