

DATAPLAY FORM RESPONSE ANALYSIS

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Objective

- ❖ We have to analyze the real-time responses from the candidates on enrolling into the Data science and Analytics internship at DataPlay, with an objective of finding meaningful insights from the form responses .

Data collection

- ❖ We have collected (provided by DataPlay) an Excel workbook with three worksheets in it.
- ❖ One is “Form Responses” : for students’ basic information
- ❖ Next is “SubmittedResponses” : for students’ test scores and answers given by them
- ❖ Last one is the “QuestionDetails” : Google form questions and correct answers

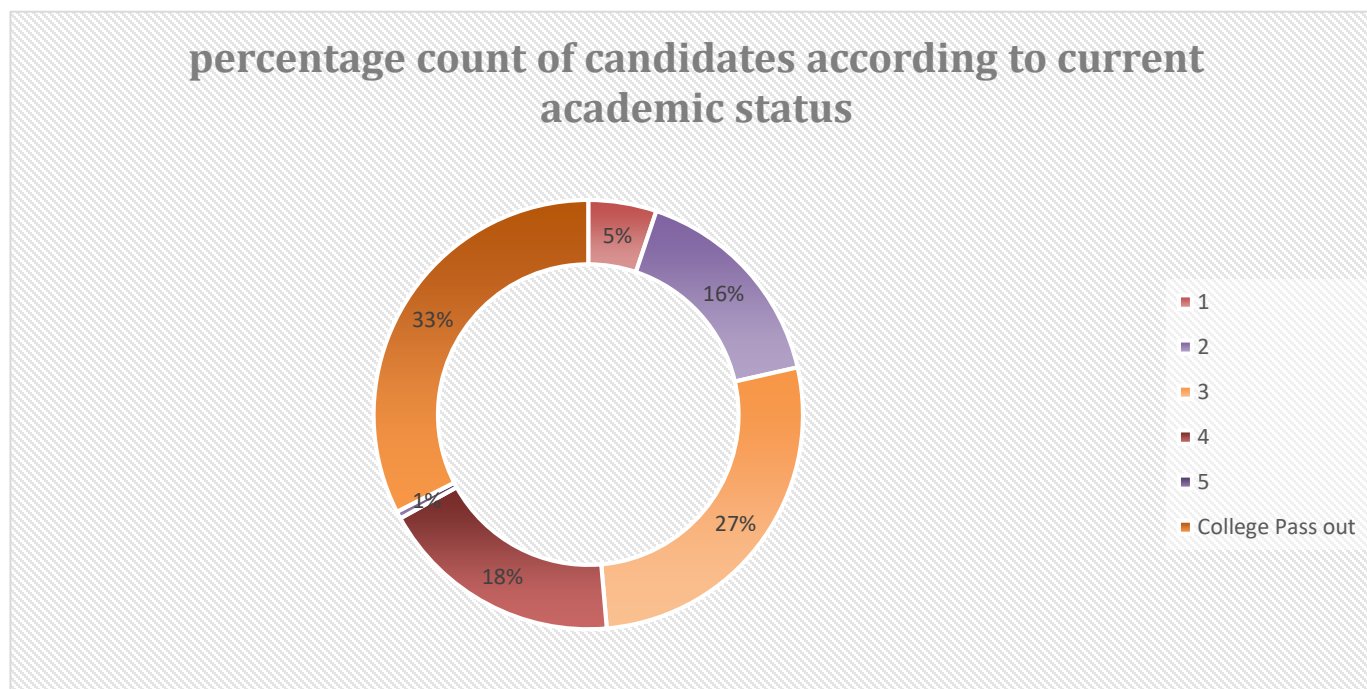
Working Tools

- ❖ For our analysis , we used some Advanced Excel formulas and charts like
- ❖ VLOOKUP,
- ❖ PIVOT TABLE
- ❖ IF Statement
- ❖ AVERAGE

- ❖ Bar charts
- ❖ Column chart
- ❖ Pie diagram
- ❖ Donut Chart

Insights

- ❖ From the basic details of students, we see that there is a high % share of **College passouts** among all the students who enrolled. Here we used **PIVOT** tables.

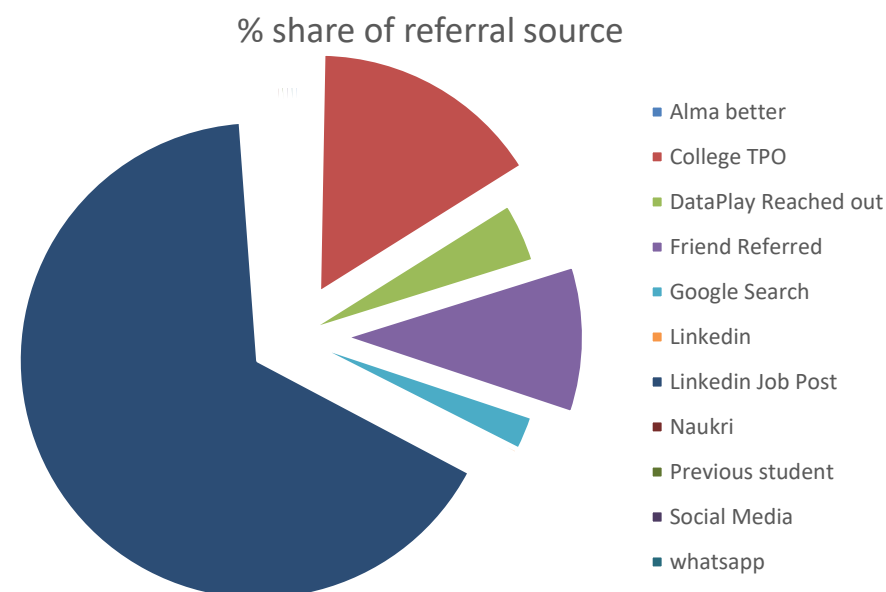


Row Labels	Count of Year of Study in College
1	5.14%
2	16.33%
3	27.16%
4	18.35%
5	0.55%
College Pass out	32.48%
Grand Total	100.00%

Insights (cont.)

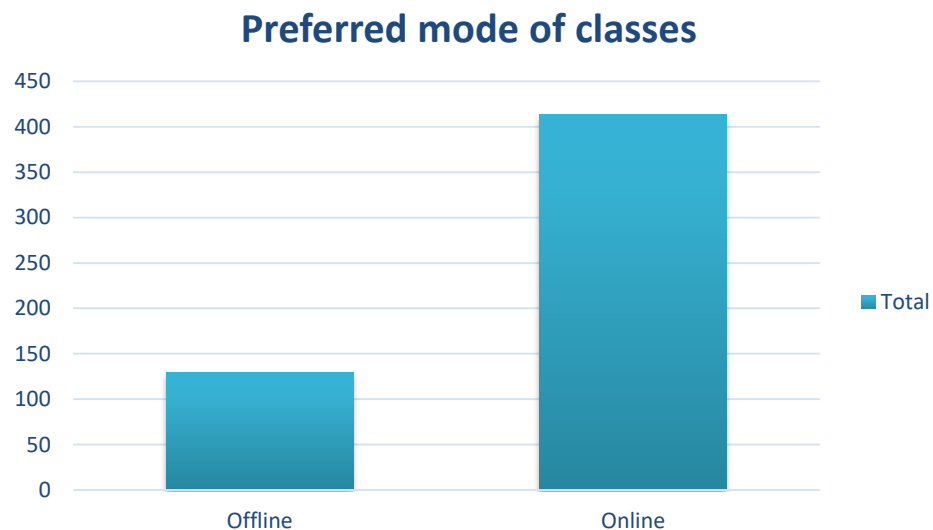
- ❖ Next, we tried to work on the Referral Source of the students enrolled at DataPlay. Easy to understand that the maximum students came from **LinkedIn Job Post** , followed by **College TPO** and **Friend Referred**.

Row Labels	Count of Referral Source
Alma better	0.29%
College TPO	15.79%
DataPlay Reached out	4.09%
Friend Referred	9.94%
Google Search	2.34%
Linkedin	0.29%
Linkedin Job Post	66.08%
Naukri	0.29%
Previous student	0.29%
Social Media	0.29%
whatsapp	0.29%
Grand Total	100.00%



Insights (cont.)

- ❖ Coming to the next topic, Weightage of students preferring **Online mode of classes is much higher than offline**. So, it is clear that enrolled students are scattered across the nation.



Row Labels	Count of Preferred Mode of Internship
Offline	129
Online	413
Grand Total	542

Insights (cont.)

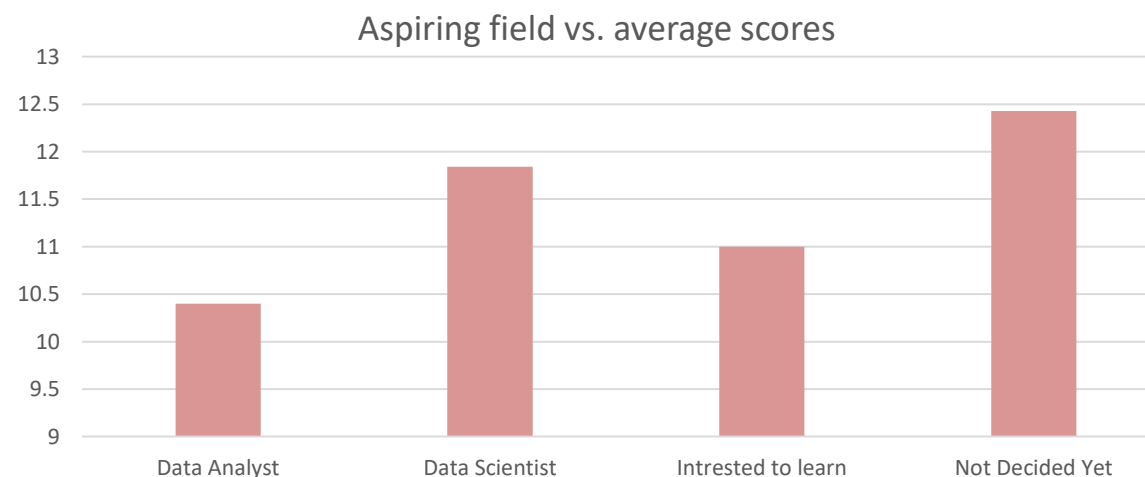
- ❖ Now, we want to get insight into the average score of students with different aspirations. For this, we used **VLOOKUP** to get scores to the 'Form Responses' sheet from 'SubmittedResponses' as our aspiring field is noted in the 'Form Responses' sheet.

Timestamp	Applicant ID	Score	College of study (Year of Study in Colle	Degree
6/12/2024 9:36:47	17	11	MBM University, Jod	College Pass out	B.E.
6/12/2024 11:20:39	94	15	MBM University, Jod	3	BTech
6/12/2024 12:17:50	108	12	Hindustan Universit	College Pass out	BTech
6/12/2024 13:23:37	119	10	Noida institute of en	College Pass out	BTech
6/17/2024 22:42:33	178	8	Career Point Univers	2	MCA
6/19/2024 16:12:58	198	11	Maharishi Arvind In	1	BCA
6/20/2024 13:41:44	227	14	Manipal University J	4	BTech
6/20/2024 13:48:10	243	12	Poornima College of	4	BTech
6/20/2024 14:02:14	262	12	JAI PRAKASH UNIVER	College Pass out	B.Sc
6/24/2024 16:59:11	333	6	Manipal University J	3	BTech
6/29/2024 11:27:50	350	9	IPH-Rajasthan Unive	College Pass out	MPH

Insights (cont.)

- ❖ It shows an interesting result as the average highest score is obtained by those who have **Not Decided Yet**.

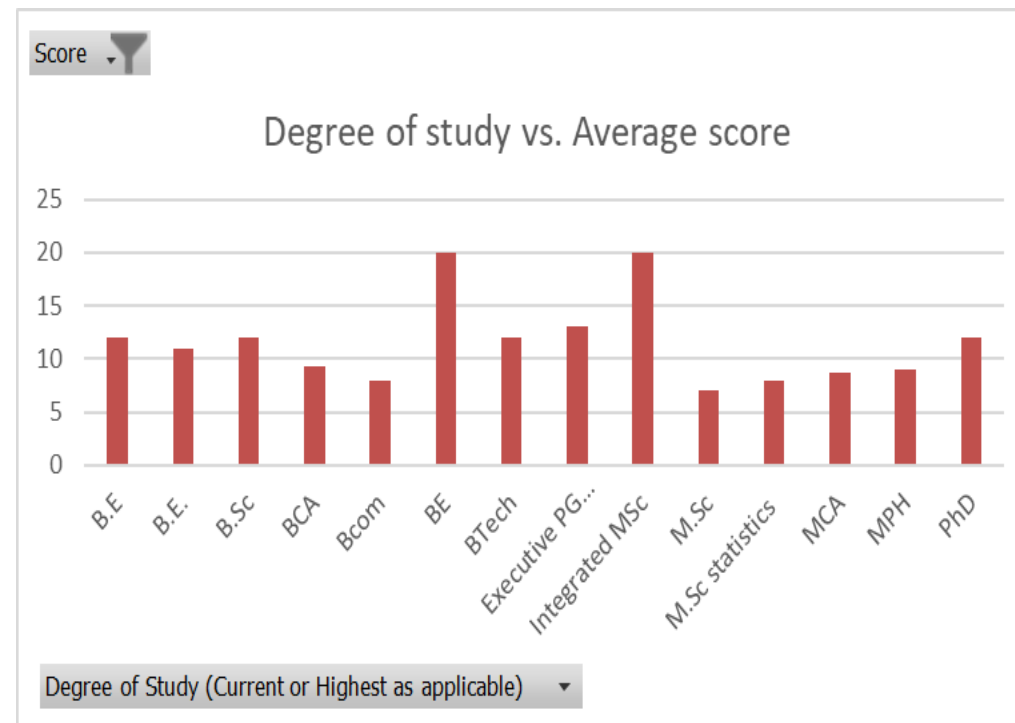
Enrolled	Yes	
Score	(Multiple Items)	
Row Labels	Average of Score	
Data Analyst	10.4	
Data Scientist	11.84210526	
Intrested to learn	11	
Not Decided Yet	12.42857143	
Grand Total	11.54054054	



Insights (cont.)

- ❖ Analyzing the average scores of students with different degrees using **PIVOT** table, we found that those with **BE** degree and **Integrated MSc** degree performed the best.

Score (Multiple Items)	
Row Labels	Average of Score
B.E	12
B.E.	11
B.Sc	12
BCA	9.333333333
Bcom	8
BE	20
BTech	12.05
Executive PG (current)	13
Integrated MSc	20
M.Sc	7
M.Sc statistics	8
MCA	8.666666667
MPH	9
PhD	12
Grand Total	11.54054054



Insights (cont.)

- ❖ We have to gain insights on topic wise scores now. For this, we copied 'SubmittedResponses' in a new sheet and used **IF statement** to get 1 for correct answer and 0 for the rest with the help of 'QuestionDetails'.

Timestamp	Applicant ID	Score	Question 1	Question 2	Question 3	Question 4	Question 1	Question 2	Question 3	Question 4
2024-07-04 19:32:30	530	11	0	0	0	0	1	0	0	1
2024-07-04 19:45:32	522	10	1	1	0	0	1	0	0	0
2024-07-04 19:22:53	529	12	1	1	1	0	1	0	0	0
2024-07-05 18:37:36	333	6	0	0	0	1	0	1	0	0
2024-07-04 19:21:58	531	4	0	0	0	1	1	0	0	0
2024-07-04 19:58:21	523	20	1	1	1	0	1	1	1	1
2024-07-04 19:23:02	526	7	1	0	0	1	1	0	0	1
2024-07-04 20:03:12	262	12	0	0	1	1	1	0	0	0
2024-07-04 20:21:07	94	15	1	1	0	1	1	1	1	0
2024-07-05 18:59:00	178	8	1	1	1	1	1	0	0	0
2024-07-04 19:47:43	521	8	1	0	0	1	1	0	0	0
2024-07-04 19:33:06	527	12	1	0	0	0	1	0	0	0
2024-07-04 20:05:19	514	12	1	1	0	0	1	0	1	0

Insights (cont.)

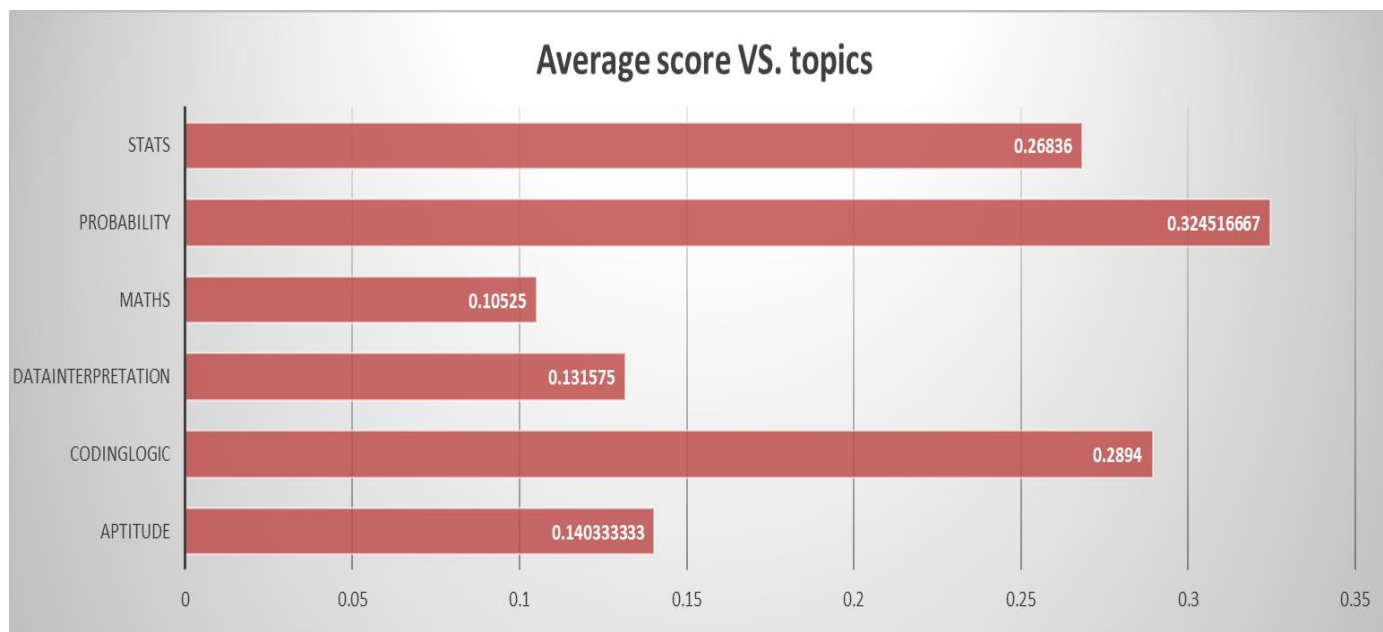
- ❖ Now, we face a problem here. Some students did not attempt some questions; so, average score (topicwise) will get faulty if we use this data.
- ❖ So, we updated our previous step with 1 for correct answer, -1 for wrong and 0 for not-attempted ones with the help of **IF statement**.

Timestamp	Applicant ID	Score	Question 1	Question 2	Question 3	Question 4	Question 1	Question 2	Question 3	Question 4
2024-07-04 19:32:30	530	11	-1	-1	-1	-1	1	-1	-1	1
2024-07-04 19:45:32	522	10	1	1	-1	-1	1	0	-1	-1
2024-07-04 19:22:53	529	12	1	1	1	-1	1	-1	-1	-1
2024-07-05 18:37:36	333	6	0	-1	-1	1	-1	1	-1	-1
2024-07-04 19:21:58	531	4	0	0	-1	1	1	-1	0	-1
2024-07-04 19:58:21	523	20	1	1	1	0	1	1	1	1
2024-07-04 19:23:02	526	7	1	0	-1	1	1	-1	0	1
2024-07-04 20:03:12	262	12	0	0	1	1	1	0	-1	0
2024-07-04 20:21:07	94	15	1	1	-1	1	1	1	1	-1
2024-07-05 18:59:00	178	8	1	1	1	1	1	-1	-1	-1
2024-07-04 19:47:43	521	8	1	-1	-1	1	1	-1	-1	-1
2024-07-04 19:33:06	527	12	1	-1	-1	-1	1	-1	0	0
2024-07-04 20:05:19	514	12	1	1	-1	-1	1	-1	1	0
2024-07-04 19:57:22	227	14	1	1	1	-1	1	0	0	1

Insights (cont.)

- ❖ Now we used **Pivot Tables** to get topicwise avg. scores.
- ❖ We see that top 3 high averages are marked in **Probability, CodingLogic and Stats** .

Row Labels	Average of avg. score
Aptitude	0.1403
CodingLogic	0.2894
DataInterpretation	0.1316
Maths	0.1053
Probability	0.3245
Stats	0.2684
Grand Total	0.2151



Thank You!

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