Data Play reviews: Count vectorizer and Word cloud

NATHAN CHRISTOPHER MENON

DATAPLAY

Agenda

- Problem Statement
- Overview of the Data
- Tools Used
- Methodology: Count Vectorizer
- Result: Count vectorizer
- Methodology: Word Cloud
- Result: Word Cloud
- Inferences

DATAPLAY

Problem Statement

- Data Play is an Ed-tech company that is focused on providing quality education to its students and making them industry-ready
- Data play has received feedback on its teaching in the form of Google reviews
- The data was scrapped and imported into an Excel sheet
- The sheet consists of the Name of the person who left the review, the rating the person left, and the description of the review
- Based on that we want to know whether the crowd has positive feedback about the company or a negative one

DATAPLAY

Overview of the Data

NAMES	RATING	GOGLE REVIEW COMMENT
Abhinav Bharat	5	
Divyanshu Choudhary	5	I had a fantastic experience at DataPlay. The institute offers excellent training in data analysis, covering statistics, Excel operations, and Power BI tools. The knowledgeable instructors and comprehensive materials make it a top choice for aspiring data scientists. Highly recommended for quality education and hands-on learning!
atin Bhagtani	5	
inal Shukla	5	
iya	5	
Kurakula Prashanth	4	
Mradul Shrotriya	5	According to me it's a very good place for learning with a good hearted teachers too. Most of institutes are not put efforts towards the students who are average but in DataPlay they put efforts for every single student and their teaching style is so nice because I'm new in that course I didn't wonder why I softly understand every single thing they thought me and it is possible just because of their student friendly teaching.
Nishita Sharma	5	Nishant sir and Mahima ma'am have outstanding sessions that help you gain clarity and improve your skills.
Prit Anand	5	Altogether it has been a great experience, the mentors are really helpful and does a very well job in making the classes engaging and interactive.
Rishabh Vaish	5	2 days agoNew My overall experience was great. Mentors were incredibly supportive, effectively explaining tools and concepts through real-life scenarios.I gained valuable hands-on experience with Power BI and Excel, engaged in discussions about interview questions and significantly improved my knowledge throughout the course.
Tejasvi Poonia	5	The explanations start from the very basics so the content is easy to understand while the assignments provide a route for application of concepts.
UTPAL KUMAR RAY	5	DataPlay is an excellent learning place for aspiring Data Scientist & Data Analyst. I am currently enrolled in Data Science training program.The mentors are truly good hearted and experienced professionals who provide valuable guidance. They helps every student on a small problem.The hands-on learning ap
Vaidik Asawa	5	I'm currently learning Data Analysis from here and its going well, started from the basics at a very good pace. Sessions are very interactive. Good place to start.
Vaman Sain	5	
Vash Tak	5	Highly recommended Nishant sir and Mahima ma'am – highly motivating and insightful! Working with a Nishant sir and Mahima ma'am has been incredible. The guidance and support have helped me improvise myself and achieve personal & professional goals. Each session was amazing, insightful, and empowering. Nishant sir and Mahima ma'am have outstanding sessions that help you gain clarity and improve your skills. The personalized sessions and constructive feedback improve you at every step.
Arpan Banerjee	5	Happy to join with Dataplay , nice experience.
Aryan Khandelwal	5	
Chandan op	5	Useful For Beginners, Easy To Understand, Nice Experience, Great Features
Kartikey Patiyar	5	
Naitik Parik	5	This is very good experience because easy to explain
Naman Sehra	5	I'm currently enrolled in the data analysis and data science training program at DataPlay, and I couldn't be more thrilled with my experience. The mentors are truly exceptional, consistently going above and beyond to ensure every student thoroughly understands each concept.
Paras Kaushik	5	
Prit Anand	5	Altogether it has been a great experience, the mentors are really helpful and does a very well job in making the classes engaging and interactive.
Sangam Dhaker	5	The experience is really good and both sir and mam are very helpful and gained so much valuable experience here .
Satyam Kumar	5	The mentors at DataPlay are exceptionally productive and focused on multidimensional learning. They ensure we stay updated with the latest industry trends and developments. Their commitment to understanding each student's strengths and weaknesses is remarkable. They tailor their teaching methods to c
Vaidik Asawa	4	I'm currently learning Data Analysis from here and its going well, started from the basics at a very good pace. Sessions are very interactive. Good place to start.
Vansh Mathur	5	Attending the data analytics training was a transformative experience! The instructors were incredibly knowledgeable and engaging, making complex concepts easy to understand. The hands-on exercises and real-world case studies provided invaluable practical skills. Plus, the supportive learning environmen
Sourabh Thanvi	5	
Rabin Sunuwar	5	I am deeply grateful for the exceptional utility of DataPlay, which provides a remarkably user-friendly and efficient platform for my analytical tasks. Moreover, the teaching atmosphere is characterized by a friendly environment, making the learning experience truly enjoyable.
Rahul Joshi	5	
DIVYANGAN	5	Dataplay is a gem in the data science world, for sure. Their personalized approach and real-world insights make learning feel natural and engaging. The Daily Practice Problems are a game-changer for deepening understanding. Whether you're a beginner or a pro, they are the real deal for leveling up your skills. Highly recommend!
Sutesna Mondal	4	
Madhur Gupta	5	
Goutam Meena	5	Dataplay offers top-notch education with effective teaching methods, practical exercises, and real-world examples, enabling students to gain confidence and excel in data science and analysis.
Yash Jain	5	It is a great initiative by Nishant and Mahima to teach a folks and they have outstanding teaching skills
ADITYA SINGH		

Tools Used

- **Text-to-Columns:** Splits text based on a delimiter(space in this case)
- **Trim:** Removes extra white space before and after a text
- **Unique:** To get the unique words from the text
- **Count if:** To get the frequency of a value(unique values in this case) within a range of text
- ***We use Excel for the count vectorizer and Power BI for the wordcloud***

DATAPLAY

Methodology: Count Vectorizer

- The method used here is depicting count vectorizer(creating a dictionary consisting of the unique words and their frequency)
- This is done to clarify how the words are counted and the word cloud visualized
- First of all, we use text to columns under the data tab and split the text into multiple columns
- Then we copy the data in each column and merge it into a single column
- Using trim, we remove the extra spaces before and after the words
- Then, using unique we extract the unique words and using the count if function, specifying the range we get the frequency of occurrence

DATAPLAY

Result: Count Vectorizer

NAMES	RATING	GOOGLE REVIEW DESCRIPTION	TRIMMED	UNIQUE VALUES	FREQUENCY OF UNIQUE VALUES
Abhinav Bharat	5	I	I	I	6
Divyanshu Choudhary	5	According	According	According	1
Jatin Bhagtani	5	Nishant	Nishant	Nishant	4
Jinal Shukla	5	Altogether	Altogether	Altogether	2
Jiya	5	2	2	2	1
Kurakula Prashanth	4	The	The	The	43
Mradul Shrotriya	5	DataPlay	DataPlay	DataPlay	9
Nishita Sharma	5	I'm	I'm	I'm	2
Prit Anand	5	Highly	Highly	Highly	5
Rishabh Vaish	5	Happy	Happy	Happy	1
Tejasvi Poonia	5	Useful	Useful	Useful	1
UTPAL KUMAR RAY	5	This	This	This	5
Vaidik Asawa	5	I'm	I'm	I'm	1
Yaman Sain	5	Altogether	Altogether	Attending	1
Yash Tak	5	The	The	It	7
Arpan Banerjee	5	The	The	Great	11
Aryan Khandelwal	5	I'm	I'm	Good	16
Chandan op	5	Attending	Attending	Data	24
Kartikey Patiyar	5	I	I	Perfect	2
Naitik Parik	5	Dataplay	Dataplay	Content	2
Naman Sehra	5	Dataplay	Dataplay	Embarking	1
Paras Kaushik	5	It	It	Nice	4
Prit Anand	5	The	The	had	1
Sangam Dhaker	5	Great	Great	to	28
Satyam Kumar	5	DataPlay	DataPlay	sir	4
Vaidik Asawa	4	I	I	days	1
Vansh Mathur	5	DataPlay	DataPlay	explanations	1
Sourabh Thanvi	5	Good	Good	is	17
Rabin Sunuwar	5	Data	Data	currently	4
Rahul Joshi	5	Perfect	Perfect	recommended	2
DIVYANGAN	5	This	This	For	19
Sutesna Mondal	4	Content	Content	experience	8

Methodology: Word Cloud

- Import the Excel sheet containing the data play reviews into Power BI
- Go to the visualization tab and import Word Cloud by Microsoft
- In the data tab, select the column that contains the description of the reviews
- And…… The word cloud is generated!!
- We select the option to remove stop words as we want relevant words that reflect the reviews to appear exclusively
- ***Stop words: Connecting words like is, are, be, etc.***

DATAPLAY

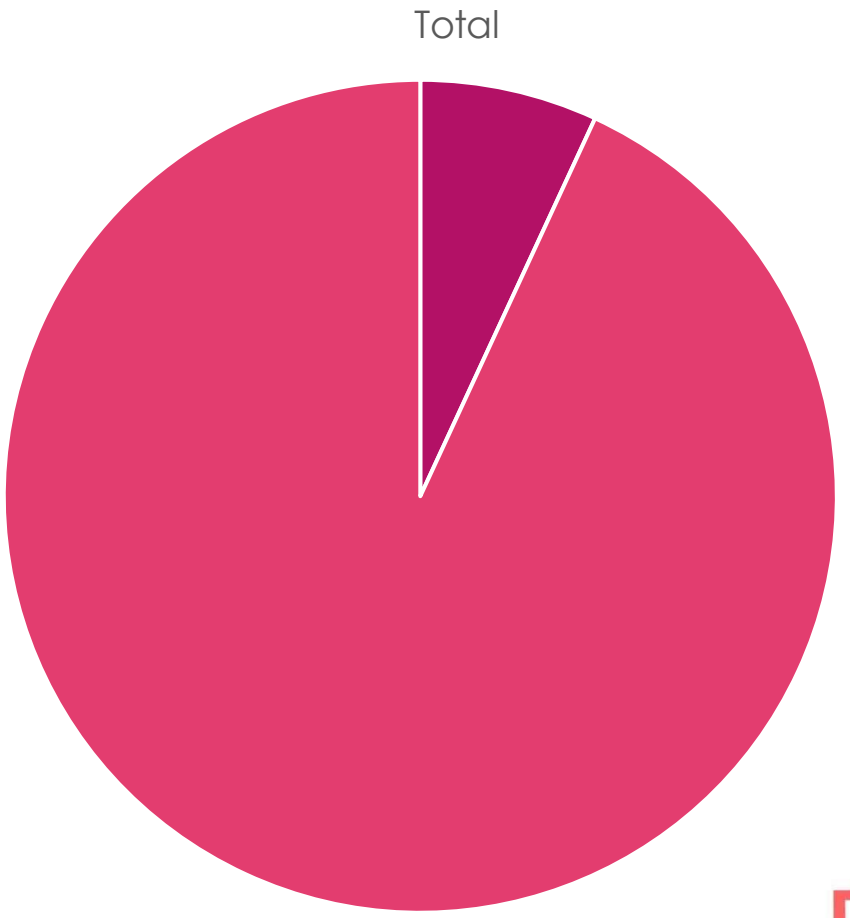
Result: Word Cloud

Inferences

From the word cloud, we can see that words like ***Very good, Learning, experience, great, perfect, improve skills, etc.***

This indicates positive feedback and shows that Data Play lives up to its name

As you can see in the pie chart, it has received reviews of only 4 or 5 out of 5 with a rating of 5 dominating the pie chart, which proves my inferences about Data play



DATAPLAY

THANK YOU!

DATAPLAY