



**SIES Graduate School of Technology**  
Sri Chandrasekarendra Saraswati Vidyapuram  
Sector 5, Nerul, Navimumbai-400706

**Department of Computer Engineering**  
**Event Report**

**Value Added Course on Data Visualization for Data Science**  
(26<sup>th</sup>June 2023 to 1<sup>st</sup>July 2023)

<b>Event Information</b>
<b>Event Type:</b> Value Added Course
<b>Event title:</b> Data Visualization for Data Science
<b>Resource Person:</b> Prof. Ujwala Ravale, Department of CE, SIESGST Prof. Arathi Boyanapalli, Department of CE, SIESGST Mr. Moin Mhatarnaik , Data Analyst & Engineer , Revvity
<b>Event date:</b> 26 <sup>th</sup> June 2023 to 1 <sup>st</sup> July 2023
<b>Organized for:</b> SE, TE , BE Students
<b>Organized by:</b> Department of Computer Engineering
<b>Target audience (branch &amp; nos.):</b> CE , IT, EXTC, ECS, CSE IoT, AIDS, AIML
<b>Attachments:</b> 1. Photographs (in JPEG/PNG) 2. Attendance report 3. Feedback 4. Evaluation by Quiz 5. Internship teams and Projects 6. Sample Visualizations 7. Impact Analysis

## Event Description

Value added course on Data Visualization for Data Science for students was organized by the Department of Computer Engineering from 26<sup>th</sup> June 2023 to 1<sup>st</sup> July 2023. There were total of 46 participants, who attended the course.

The advanced topics of data science is data visualization refers to the process of generating graphical representations of information. These graphical depictions, often known as plots or charts, are pivotal in the realm of data science for effective analysis and interpretation.

During the session resource persons had given hands on training on Power BI, Tableau, Advanced Excel. The session helped students for creation of attractive dashboards using these data visualization tools for business intelligence.

### TOPICS COVERED

- **Introduction To Data Visualization** – Basics of Data Visualization, Tools for Data Visualisation, Introduction to datasets and types. Data Visualisation using Python – Using Python, Matplotlib, Seaborn, Pandas, Jupyter Notebooks,
- **Tableau -Basic Data Visualization** using Bar charts, Line Chart, Heat Map, Histogram, Slicing & Dicing Data – Sorting, Filtering, groups, Tooltip command Buttons.
- **Tableau Calculations & Filters:** Filters on Dimensions, Conditional Filters, Slicing Filters, Data Source Filters, Extract Filters
- **Advance Tableau Features:** Tableau Basic and advance calculations using Logical functions,
- **Dashboard Designing**, Dashboard publishing and sharing using Tableau.
- **Introduction to Power BI:** Installation of Power BI, Power BI – Need, importance, Business Challenge, Connecting Power BI to CSV files
- **Basic Data Visualization** using Bar charts, Line Chart, Heat Map, Histogram.
- **Basic Report Design** – Data Sources and Visual Types, Table, Tree map Visuals etc.
- **Visual Sync & Grouping** – Slicer Visuals – Number, Text, Date data, Slicer List & Slicer Dropdown
- **Introduction to Power Query-** Get data, Table Creation & Edit, Power Query Functions, Parameters
- **Dashboard Designing**, Dashboard publishing and sharing using Power BI
- **Advanced Excel** – Formatting Data with Pivot Tables, Sorting, Filtering and Grouping data with Pivot tables
- **Case study: For Given Datasets**

Create dashboard using Tableau  
Create dashboard using Power BI

## STUDENT FEEDBACK:

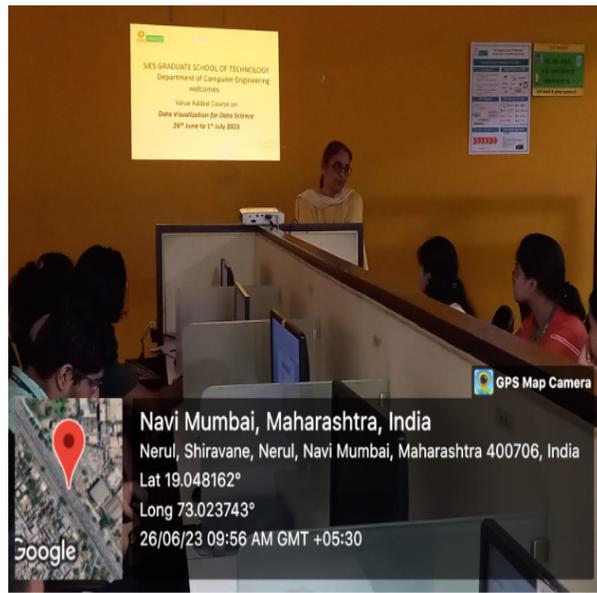
The session was highly informative, and allowed the students to get a brief knowledge about how to use different data visualization tools. Students have given very good feedback and were pleased with the flow and concepts covered in the session. As well as students understood how to use the learned concepts for their internship projects.

### 1. Photographs (in JPEG/PNG)





GPS Map Camera  
Navi Mumbai, Maharashtra, India  
SIES GRADUATE SCHOOL OF TECHNOLOGY, Nerul  
Lat 19.042951°  
Long 73.023097°  
27/06/23 10:59 AM GMT +05:30



GPS Map Camera  
Navi Mumbai, Maharashtra, India  
Nerul, Shiravane, Nerul, Navi Mumbai, Maharashtra 400706, India  
Lat 19.048162°  
Long 73.023743°  
26/06/23 09:56 AM GMT +05:30



GPS Map Camera  
Navi Mumbai, Maharashtra, India  
SIES GRADUATE SCHOOL OF TECHNOLOGY, Sector 5,  
Nerul, Navi Mumbai, Maharashtra 400706, India  
Lat 19.042835°  
Long 73.022757°  
05/07/23 04:52 PM GMT +05:30

## 2. Attendance report



South Indian Education Society's  
GRADUATE SCHOOL OF TECHNOLOGY, Navi Mumbai.  
DEPARTMENT OF COMPUTER ENGINEERING

### Data Visualisation for Data Science 26<sup>th</sup> June to 1<sup>st</sup> July 2023 Attendance Sheet

Time 9.30am - 4.30pm

Date: 26/6/2023  
Venue - Lab NL1, NL2

Sr. No.	Roll No.	Name of Department	Name of Student	Morning Session (9.00 a. m. - 1.00 p.m.)	Afternoon Session (1.30 p.m. - 4.30 p.m.)
1	121A8063	Jay Yadhav	AIDS	Jay	Jay
2	222A8068	SHRUTI TUTEJA	AIDS	Shruti	Shruti
3	222A8066	MANODAY KADAM	AIDS	Madan	Madan
4	121A8038	Prachiti Palande	AIDS	P.R.P.	P.R.P.
5	121A8013	Priyadarshini Chavan	AIDS	Prachi	Prachi
6	121A8030	Mayakrishna Yadav	AIDS	Krishi	Krishi
7	222A9071	SUYASH JOSHI	AIML	Suyash	Suyash
8	121A9029	Tanmay Mishale	AIML	Tanmay	Tanmay
9	121A9003	Sakshi Alman	AIML	Sakshi	Sakshi
10	121A9005	Anushka Bharde	AIML	A.B.	A.B.
11	121A9039	Aditi Patil	AIML	Aditi	Aditi
12	121A1011	Avaneesh Iyer	CE	Avaneesh	Avaneesh
13	120A1022	Saikiran Reddy	CE	Saikiran	Saikiran
14	121A1096	Senthilmuruga n	CE	Senthilm.	Senthilm.
15	121A1080	Deepti Poojary	CE	Deepti	Deepti
16	222A1127	ADITI PATIL	CE	Aditi	Aditi
17	121A1077	Anuradha Pillai	CE	Anuradha	Anuradha
18	120A1103	Spoorti Shetty	CE	Spoorti	Spoorti
19	120A1025	Anjali Iyer	CE	Anjali	Anjali
20	120A1068	Sakshi Narkhede	CE	Sakshi	Sakshi
21	121A1093	Sana Deshmukh	CE	Sana	Sana
22	120A1024	Aishwarya Iyer	CE	Aishwarya	Aishwarya
23	120A1049	Karthesan	CE	Karthesan	Karthesan

**Data Visualisation for Data Science**

26<sup>th</sup> June to 1<sup>st</sup> July 2023

Attendance Sheet

Date: 27/6/2023

Venue - Lab NL1, NL2

Time 9.30am - 4.30pm

Sr. No.	Roll No.	Name of Department	Name of Student	Morning Session (9.00 a. m. – 1.00 p.m.)	Afternoon Session (1.30 p.m. - 4.30 p.m.)
1	121A8063	Jay Yadhav	AIDS	<i>Jaykar</i>	<i>Jaykar</i>
2	222A8068	SHRUTI TUTEJA	AIDS	<i>Shruti</i>	<i>Shruti</i>
3	222A8066	MANODAY KADAM	AIDS	<i>Madan</i>	<i>Madan</i>
4	121A8038	Prachiti Palande	AIDS	<i>P.R.P</i>	<i>P.R.P</i>
5	121A8013	Priyadarshini Chavan	AIDS	<i>Pravan</i>	<i>Pravan</i>
6	121A8030	Mayakrishna Yadav	AIDS	<i>Kin</i>	<i>Kin</i>
7	222A9071	SUYASH JOSHI	AIML	<i>ss</i>	<i>ss</i>
8	121A9029	Tanmay Mishale	AIML	<i>Tanmay</i>	<i>Tanmay</i>
9	121A9003	Sakshi Alman	AIML	<i>Sakshi</i>	<i>Sakshi</i>
10	121A9005	Anushka Bharde	AIML	<i>A</i>	<i>A</i>
11	121A9039	Aditi Patil	AIML	<i>Aditi</i>	<i>Aditi</i>
12	121A1011	Avaneesh Iyer	CE	<i>Avaneesh</i>	<i>Avaneesh</i>
13	120A1022	Saikiran Reddy	CE	<i>Saikiran</i>	<i>Saikiran</i>
14	121A1096	Senthilmurugan	CE	<i>Senthilm</i>	<i>Senthilm</i>
15	121A1080	Deepti Poojary	CE	<i>Deepti</i>	<i>Deepti</i>
16	222A1127	ADITI PATIL	CE	<i>Aditi</i>	<i>Aditi</i>
17	121A1077	Anuradha Pillai	CE	<i>Anuradha</i>	<i>Anuradha</i>
18	120A1103	Spoorti Shetty	CE	<i>Spoorti</i>	<i>Spoorti</i>
19	120A1025	Anjali Iyer	CE	<i>Anjali</i>	<i>Anjali</i>
20	120A1068	Sakshi Narkhede	CE	<i>Sakshi</i>	<i>Sakshi</i>
21	121A1093	Sana Deshmukh	CE	<i>Sana</i>	<i>Sana</i>
22	120A1024	Aishwarya Iyer	CE	<i>Aishwarya</i>	<i>Aishwarya</i>
23	120A1049	Karthesan	CE	<i>Karthesan</i>	<i>Karthesan</i>

		Mahalaxmi			
24	222A1135	SANIKA KURALE	CE	<u>Sanika</u>	<u>Sanika</u>
25	120A1048	Pranav Mahadik	CE	<u>Pranav Mahadik</u>	<u>Pranav Mahadik</u>
26	120A1042	Deepthi Kmr	CE	<u>Deep</u>	<u>Deep</u>
27	120A1043	Preethi Kmr	CE	<u>Preethi</u>	<u>Preethi</u>
28	120A1051	Samiksha Mane	CE	<u>Samiksha</u>	<u>Samiksha</u>
29	121A1007	Aryan Chalke	CE		
30	121A1069	Amit Narsale	CE	<u>Amit N</u>	<u>Amit N</u>
31	120A1105	Shradha Sahu	CE	<u>Shradha</u>	<u>Shradha</u>
32	121A1108	Avishka Sonawane	CE	<u>Avishka</u>	<u>Avishka</u>
33	120A1054	Ananya Maurya	CE		
34	120A7047	Sakshi Amol	ECS	<u>Sakshi</u>	<u>Sakshi</u>
35	120A2040	Rohan Salvi	EXTC	<u>Rohan</u>	<u>Rohan</u>
36	121A2045	Shivpriya Kadam	EXTC		
37	121A3042	Vikhyat Rai	IT	<u>Vikhyat</u>	<u>Vikhyat</u>
38	121A3052	Hariom Shukla	IT		
39	121A3043	Ritik Shukla	IT		
40	121A3060	Prajwal Waghmode	IT		
41	120A3007	Chinmay Devadiga	IT	<u>Chinmay</u>	<u>Chinmay</u>
42	221A7067	Ankur Salade	ECS	<u>Ankur</u>	<u>Ankur</u>
43	120A2030	Vinitha Udang	EXTC	<u>Vinitha</u>	<u>Vinitha</u>
44	222A1129	Mitali Mahajan	CE	<u>Mitali</u>	<u>Mitali</u>
45	121A2003	Arnav Sarpania	IT	<u>Arnav</u>	<u>Arnav</u>
46	121A1035	Puspa Ambre	CE	<u>Puspa</u>	<u>Puspa</u>
47	121A1067	Nandana Avil	CE	<u>Nandana</u>	<u>Nandana</u>
48	121A1051	Pranitha	CE	<u>Pranitha</u>	<u>Pranitha</u>
49	120A1039	Kaustubh S	CG	<u>Kaustubh</u>	<u>Kaustubh</u>
50	120A1011	<del>Nikita</del> chavhan	CE	<u>Nikita</u>	<u>Nikita</u>

Nikita

## Data Visualisation for Data Science

26<sup>th</sup> June to 1<sup>st</sup> July 2023

Attendance Sheet

Date: 29/6/2023

Time 9.30am - 4.30pm

Venue - Lab NL1, NL2

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1	121A8063	Yadhav Jay Venkatesh	AIDS	<u>Yankat</u>	<u>Yankat</u>
2	222A8068	Shruti Tuteja	AIDS	<u>Shruti</u>	<u>Shruti</u>
3	222A8066	Manoday Kadam	AIDS	<u>Manoday</u>	<u>Manoday</u>
4	121A8038	PRACHITI RAJESH PALANDE	AIDS	<u>P.R.P</u>	<u>P.R.P</u>
5	121A8013	Priyadarshini Chavan	AIDS	<u>Phavan</u>	<u>Phavan</u>
6	121A8030	Mayakrishna Yadav	AIDS	<u>Yi</u>	<u>Yi</u>
7	222A9071	Suyash Joshi	AIML	<u>ssj</u>	<u>ssj</u>
8	121A9029	Tanmay Rajendra Mishale	AIML	<u>Tanmay</u>	<u>Tanmay</u>
9	121A9003	Sakshi Anil Alman	AIML	<u>Sakshi</u>	<u>Sakshi</u>
10	121A9005	Anushka Bharde	AIML	<u>Anushka</u>	<u>Anushka</u>
11	121A9039	ADITI PATIL	AIML	<u>Aditi</u>	<u>Aditi</u>
12	121A1011	Avaneesh Karthikeyan Iyer	CE	<u>Avaneesh</u>	<u>Avaneesh</u>
13	120A1022	Guntaka Saikiran Reddy	CE	<u>Guntaka</u>	<u>Guntaka</u>
14	121A1096	Senthilmurugan	CE	<u>Senthilmurugan</u>	<u>Senthilmurugan</u>
15	121A1080	Deepti Umesh Poojary	CE	<u>Deepti</u>	<u>Deepti</u>
16	222A1127	Aditi Jagannath Patil	CE	<u>Aditi</u>	<u>Aditi</u>
17	121A1077	Anuradha Pillai	CE	<u>Anuradha</u>	<u>Anuradha</u>
18	120A1103	Spoorti Rajat Shetty	CE	<u>Spoorti</u>	<u>Spoorti</u>
19	120A1025	Iyer Anjali Subramanian	CE	<u>Anjali</u>	<u>Anjali</u>
20	120A1068	Sakshi Pramod Narkhede	CE	<u>Sakshi</u>	<u>Sakshi</u>
21	121A1093	Sana Manish Deshmukh	CE	<u>Sana</u>	<u>Sana</u>



South Indian Education Society's  
GRADUATE SCHOOL OF TECHNOLOGY, Navi Mumbai.  
DEPARTMENT OF COMPUTER ENGINEERING

**Data Visualisation for Data Science**

26<sup>th</sup> June to 1<sup>st</sup> July 2023

**Attendance Sheet**

Date: 30/6/2023

Time 9.30am - 4.30pm

Venue - Lab NL1, NL2

Sr. No.	Roll No.	Name of Department	Name of Student	Morning Session (9.00 a.m. - 1.00 p.m.)	Afternoon Session (1.30 p.m. - 4.30 p.m.)
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2	222A8068	Shruti Tuteja	AIDS	Shruti	Shruti
3	222A8066	Manoday Kadam	AIDS	Manoday	Manoday
4	121A8038	PRACHITI RAJESH PALANDE	AIDS	P.R.P.	P.R.P.
5	121A8013	Priyadarshini Chavan	AIDS	Pravara	Pravara
6	121A8030	Mayakrishna Yadav	AIDS	Maya	Maya
7	222A9071	Suyash Joshi	AIML	SSS.	SSS.
8	121A9029	Tanmay Rajendra Mishale	AIML	Tanmay	Tanmay
9	121A9003	Sakshi Anil Alman	AIML	Sakshi	Sakshi
10	121A9005	Anushka Bharde	AIML	Anushka	Anushka
11	121A9039	ADITI PATIL	AIML	Aditi	Aditi
12	121A1011	Avaneesh Karthikeyan Iyer	CE	Avaneesh	Avaneesh
13	120A1022	Guntaka Saikiran Reddy	CE	Saikiran	Saikiran
14	121A1096	Senthilmurugan	CE	Senthilm	Senthilm.
15	121A1080	Deepti Umesh Poojary	CE	Deepti	Deepti
16	222A1127	Aditi Jagannath Patil	CE	Aditi	Aditi
17	121A1077	Anuradha Pillai	CE	Anuradha	Anuradha
18	120A1103	Spoorti Rajat Shetty	CE	Spoorti	Spoorti
19	120A1025	Iyer Anjali Subramanian	CE	Anjali	Anjali
20	120A1068	Sakshi Pramod Narkhede	CE	Sakshi	Sakshi
21	121A1093	Sana Manish Deshmukh	CE	Sana	Sana

22	120A1024	Aishwarya Iyer	CE	<del>Aishw</del>	<del>Aishw</del>
23	120A1049	Mahalaxmi Karthesan	CE	<del>M</del>	<del>M</del>
24	222A1135	Sanika Sandeep Kurale	CE	<del>Sanika</del>	<del>Sanika</del>
25	120A1048	Pranav Dilip Mahadik	CE	<del>Pranav</del>	<del>Pranav</del>
26	120A1042	KMR DEEPTHI	CE	<del>Dee</del>	<del>Dee</del>
27	120A1043	Kmr preethi	CE	<del>Preethi</del>	<del>Preethi</del>
28	120A1051	Samiksha Mane	CE	<del>Samiksha</del>	<del>Samiksha</del>
29	121A1007	Aryan Chalke	CE	<del>Aryan</del>	<del>Aryan</del>
30	121A1069	Amit Bhimaji Narsale	CE	<del>Amit N</del>	<del>Amit N</del>
31	120A1105	Shradha Sahu	CE	<del>Shradha</del>	<del>Shradha</del>
32	121A1108	Avishka Sanjay Sonawane	CE	<del>Avi</del>	<del>Avi</del>
33	120A1054	Ananya Maurya	CE		
34	120A1039	Kaustubh Sonawane	CE	<del>Kaustubh</del>	<del>Kaustubh</del>
35	120A1011	Nikita Chaudhari	CE	<del>Nikita</del>	<del>Nikita</del>
36	121A1085	Purva Ambre	CE	<del>Purva</del>	<del>Purva</del>
37	121A1067	Nandana Anil	CE	<del>Nandana</del>	<del>Nandana</del>
38	121A1081	Pranitha Sukumar	CE	<del>Pranitha</del>	<del>Pranitha</del>
39	120A7047	Sakshi Sakhare	ECS	<del>Sakshi</del>	<del>Sakshi</del>
40	221A7067	Omkar Sabale	ECS		
41	120A2040	Rohan Salvi	EXTC	<del>Rohan</del>	<del>Rohan</del>
42	121A2045	Shivpriya Atul Kadam	EXTC	<del>Shivpriya</del>	<del>Shivpriya</del>
43	120A2030	Vinitha Udaiyar	EXTC	<del>Vinitha</del>	<del>Vinitha</del>
44	121A3042	Vikhyat Mohandas Rai	IT	<del>Vikhyat</del>	<del>Vikhyat</del>
45	121A3052	HariOm Shukla	IT	<del>HariOm</del>	<del>HariOm</del>
46	121A3043	Ritik Shukla	IT	<del>Ritik</del>	<del>Ritik</del>
47	121A3060	Prajwal Arun Waghmode	IT	<del>Prajwal</del>	<del>Prajwal</del>
48	120A3007	Chinmay Devadiga	IT	<del>Chinmay</del>	<del>Chinmay</del>
49	121A3007	Arnab Samanta	IT	<del>Arnab</del>	<del>Arnab</del>
50	222A1121	Mitqali Mahajan	CE	<del>Mitqali</del>	<del>Mitqali</del>

21	121A1093	Sana Manish Deshmukh	CE		
22	120A1024	Aishwarya Iyer	CE	<del>Aishw</del>	<del>Aishw</del>
23	120A1049	Mahalaxmi Karthesan	CE	<del>Maha</del>	<del>Maha</del>
24	222A1135	Sanika Sandeep Kurale	CE	<del>Sanika</del>	<del>Sanika</del>
25	120A1048	Pranav Dilip Mahadik	CE	<del>Pranav</del>	<del>Pranav</del>
26	120A1042	KMR DEEPTHI	CE		
27	120A1043	Kmr preethi	CE		
28	120A1051	Samiksha Mane	CE	<del>Sam</del>	<del>Sam</del>
29	121A1007	Aryan Chalke	CE		
30	121A1069	Amit Bhimaji Narsale	CE	<del>AmitN</del>	<del>AmitN</del>
31	120A1105	Shradha Sahu	CE	<del>Sh</del>	<del>Sh</del>
32	121A1108	Avishka Sanjay Sonawane	CE	<del>Av</del>	<del>Av</del>
33	120A1054	Ananya Maurya	CE		
34	120A1039	Kaustubh Sonawane	CE	<del>Kaustubh</del>	<del>Kaustubh</del>
35	120A1011	Nikita Chaudhari	CE	<del>Nikita</del>	<del>Nikita</del>
36	121A1085	Purva Ambre	CE		
37	121A1067	Nandana Anil	CE	<del>Nandana</del>	<del>Nandana</del>
38	121A1081	Pranitha Sukumar	CE	<del>Pranitha</del>	<del>Pranitha</del>
39	120A7047	Sakshi Sakhare	ECS		
40	221A7067	Omkar Sabale	ECS		
41	120A2040	Rohan Salvi	EXTC	<del>Rohan</del>	<del>Rohan</del>
42	121A2045	Shivpriya Atul Kadam	EXTC	<del>Shivpriya</del>	<del>Shivpriya</del>
43	120A2030	Vinitha Udayar	EXTC		
44	121A3042	Vikhyat Mohandas Rai	IT	<del>Vikhyat</del>	<del>Vikhyat</del>
45	121A3052	HariOm Shukla	IT	<del>HariOm</del>	<del>HariOm</del>
46	121A3043	Ritik Shukla	IT	<del>Ritik</del>	<del>Ritik</del>
47	121A3060	Prajwal Arun Waghmode	IT	<del>Prajwal</del>	<del>Prajwal</del>
48	120A3007	Chinmay Devadiga	IT	<del>Chinmay</del>	<del>Chinmay</del>
49	121A3007	Arnab Samanta	IT	<del>Arnab</del>	<del>Arnab</del>
50	222A1129	mitali mahajan	CE	<del>mitali</del>	<del>mitali</del>

		Mahalaxmi			
24	222A1135	SANIKA KURALE	CE	<u>Sanika</u>	<u>Sanika</u>
25	120A1048	Pranav Mahadik	CE	<u>Pranav Mahadik</u>	<u>Pranav Mahadik</u>
26	120A1042	Deepthi Kmr	CE	<u>Deepthi</u>	<u>Deepthi</u>
27	120A1043	Preethi Kmr	CE	<u>Preethi</u>	<u>Preethi</u>
28	120A1051	Samiksha Mane	CE	<u>Samiksha</u>	<u>Samiksha</u>
29	121A1007	Aryan Chalke	CE		
30	121A1069	Amit Narsale	CE	<u>Amit N</u>	<u>Amit N</u>
31	120A1105	Shradha Sahu	CE	<u>Shradha</u>	<u>Shradha</u>
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33	120A1054	Ananya Maurya	CE		
34	120A7047	Sakshi Amol	ECS		
35	120A2040	Rohan Salvi	EXTC	<u>Rohan</u>	<u>Rohan</u>
36	121A2045	Shivpriya Kadam	EXTC	<u>Shivpriya</u>	<u>Shivpriya</u>
37	121A3042	Vikhyat Rai	IT		
38	121A3052	Hariom Shukla	IT	<u>Hariom</u>	<u>Hariom</u>
39	121A3043	Ritik Shukla	IT	<u>Ritik Shukla</u>	<u>Ritik Shukla</u>
40	121A3060	Prajwal Waghmode	IT	<u>Prajwal</u>	<u>Prajwal</u>
41	120A3007	Chinmay Devadiga	IT	<u>Chinmay</u>	<u>Chinmay</u>
42	121A1081	Pranitha	CE	<u>Pranitha</u>	<u>Pranitha</u>
43	121A1067	Nandana	CE	<u>Nandana</u>	<u>Nandana</u>
44	121A1085	Purva Ambre	CE	<u>Purva Ambre</u>	<u>Purva Ambre</u>
45	222A1129	Mitali Mahajan	CE	<u>Mitali</u>	<u>Mitali</u>
46	120A1011	Nikita C.	CE	<u>Nikita</u>	<u>Nikita</u>
47	120A1039	Kaustubh S.	CE	<u>Kaustubh</u>	<u>Kaustubh</u>
48					
49					
50					

22	120A1024	Aishwarya Iyer	CE	<u>Aishw</u>	<u>Aishw</u>
23	120A1049	Mahalaxmi Karthesan	CE	<u>M</u>	<u>R</u>
24	222A1135	Sanika Sandeep Kurale	CE	<u>Sanika</u>	<u>Sanika</u>
25	120A1048	Pranav Dilip Mahadik	CE	<u>Pranav</u>	<u>Pranav</u>
26	120A1042	KMR DEEPTHI	CE	<u>Deepti</u>	<u>Deepti</u>
27	120A1043	Kmr preethi	CE	<u>Preethi</u>	<u>Preethi</u>
28	120A1051	Samiksha Mane	CE	<u>Samiksha</u>	<u>Samiksha</u>
29	121A1007	Aryan Chalke	CE	<u>Aryan</u>	<u>Aryan</u>
30	121A1069	Amit Bhimaji Narsale	CE	<u>Amit N</u>	<u>Amit N</u>
31	120A1105	Shradha Sahu	CE	<u>Shradha</u>	<u>Shradha</u>
32	121A1108	Avishka Sanjay Sonawane	CE	<u>Avishka</u>	<u>Avishka</u>
33	120A1054	Ananya Maurya	CE		
34	120A1039	Kaustubh Sonawane	CE	<u>Kaustubh</u>	<u>Kaustubh</u>
35	120A1011	Nikita Chaudhari	CE	<u>Nikita</u>	<u>Nikita</u>
36	121A1085	Purva Ambre	CE	<u>Purva</u>	<u>Purva</u>
37	121A1067	Nandana Anil	CE	<u>Nandana</u>	<u>Nandana</u>
38	121A1081	Pranitha Sukumar	CE	<u>Pranitha</u>	<u>Pranitha</u>
39	120A7047	Sakshi Sakhare	ECS	<u>Sakshi</u>	<u>Sakshi</u>
40	221A7067	Omkar Sabale	ECS		
41	120A2040	Rohan Salvi	EXTC	<u>Rohan</u>	<u>Rohan</u>
42	121A2045	Shivpriya Atul Kadam	EXTC	<u>Shivpriya</u>	<u>Shivpriya</u>
43	120A2030	Vinitha Udaiyar	EXTC	<u>Vinitha</u>	<u>Vinitha</u>
44	121A3042	Vikhyat Mohandas Rai	IT	<u>Vikhyat</u>	<u>Vikhyat</u>
45	121A3052	HariOm Shukla	IT	<u>HariOm</u>	<u>HariOm</u>
46	121A3043	Ritik Shukla	IT	<u>Ritik</u>	<u>Ritik</u>
47	121A3060	Prajwal Arun Waghmode	IT	<u>Prajwal</u>	<u>Prajwal</u>
48	120A3007	Chinmay Devadiga	IT	<u>Chinmay</u>	<u>Chinmay</u>
49	121A3007	Arnab Samanta	IT	<u>Arnab</u>	<u>Arnab</u>
50	222A1129	Mitali Mahajan	CE	<u>Mitali</u>	<u>Mitali</u>



South Indian Education Society's  
GRADUATE SCHOOL OF TECHNOLOGY, Navi Mumbai.  
DEPARTMENT OF COMPUTER ENGINEERING

**Data Visualisation for Data Science**

26<sup>th</sup> June to 3<sup>rd</sup> July 2023

Attendance Sheet

Date: 03/7/2023  
Venue - Lab NL1, NL2

Time 9.30am - 4.30pm

Sr. No.	Roll No.	Name of Department	Name of Student	Morning Session (9.00 a. m. - 1.00 p.m.)	Afternoon Session (1.30 p.m. - 4.30 p.m.)
1	121A8063	Yadhav Jay Venkatesh	AIDS	<u>Yadav</u>	<u>Yadav</u>
2	222A8068	Shruti Tuteja	AIDS	<u>Shruti</u>	<u>Shruti</u>
3	222A8066	Manoday Kadam	AIDS	<u>Manoday</u>	<u>Manoday</u>
4	121A8038	PRACHITI RAJESH PALANDE	AIDS	<u>P.R.P.</u>	<u>P.R.P.</u>
5	121A8013	Priyadarshini Chavan	AIDS	<u>Pravas</u>	<u>Pravas</u>
6	121A8030	Mayakrishna Yadav	AIDS	<u>Maya</u>	<u>Maya</u>
7	222A9071	Suyash Joshi	AIML	<u>Suyash</u>	<u>Suyash</u>
8	121A9029	Tanmay Rajendra Mishale	AIML	<u>Tanmay</u>	<u>Tanmay</u>
9	121A9003	Sakshi Anil Alman	AIML	<u>Sakshi</u>	<u>Sakshi</u>
10	121A9005	Anushka Bharde	AIML	<u>Anushka</u>	<u>Anushka</u>
11	121A9039	ADITI PATIL	AIML	<u>Aditi</u>	<u>Aditi</u>
12	121A1011	Avaneesh Karthikeyan Iyer	CE		
13	120A1022	Guntaka Saikiran Reddy	CE	<u>Guntaka</u>	<u>Guntaka</u>
14	121A1096	Senthilmurugan	CE	<u>Senthil</u>	<u>Senthil</u>
15	121A1080	Deepti Umesh Poojary	CE	<u>Deepti</u>	<u>Deepti</u>
16	222A1127	Aditi Jagannath Patil	CE	<u>Aditi</u>	<u>Aditi</u>
17	121A1077	Anuradha Pillai	CE	<u>Anuradha</u>	<u>Anuradha</u>
18	120A1103	Spoorti Rajat Shetty	CE	<u>Spoorti</u>	<u>Spoorti</u>
19	120A1025	Iyer Anjali Subramanian	CE		
20	120A1068	Sakshi Pramod Narkhede	CE	<u>Sakshi</u>	<u>Sakshi</u>

21	121A1093	Sana Manish Deshmukh	CE	<i>Sana</i>	<i>Sana</i>
22	120A1024	Aishwarya Iyer	CE	<i>Aishu</i>	<i>Aishu</i>
23	120A1049	Mahalaxmi Karthesan	CE		
24	222A1135	Sanika Sandeep Kurale	CE	<i>Sanika</i>	<i>Sanika</i>
25	120A1048	Pranav Dilip Mahadik	CE	<i>Pranav</i>	<i>Pranav</i>
26	120A1042	KMR DEEPTHI	CE		
27	120A1043	Kmr preethi	CE		
28	120A1051	Samiksha Mane	CE	<i>Samiksha</i>	<i>Samiksha</i>
29	121A1007	Aryan Chalke	CE		
30	121A1069	Amit Bhimaji Narsale	CE	<i>Amit</i>	<i>Amit</i>
31	120A1105	Shradha Sahu	CE	<i>Shr</i>	<i>Shr</i>
32	121A1108	Avishka Sanjay Sonawane	CE	<i>Avishka</i>	<i>Avishka</i>
33	120A1054	Ananya Maurya	CE		
34	120A1039	Kaustubh Sonawane	CE	<i>Kaustubh</i>	<i>Kaustubh</i>
35	120A1011	Nikita Chaudhari	CE	<i>Nikita</i>	<i>Nikita</i>
36	121A1085	Purva Ambre	CE	<i>Purva</i>	<i>Purva</i>
37	121A1067	Nandana Anil	CE	<i>Nandana</i>	<i>Nandana</i>
38	121A1081	Pranitha Sukumar	CE	<i>Pranitha</i>	<i>Pranitha</i>
39	120A7047	Sakshi Sakhare	ECS		
40	221A7067	Omkar Sabale	ECS		
41	120A2040	Rohan Salvi	EXTC	<i>Rohan</i>	<i>Rohan</i>
42	121A2045	Shivpriya Atul Kadam	EXTC	<i>Shivpriya</i>	<i>Shivpriya</i>
43	120A2030	Vinitha Udaiyar	EXTC		
44	121A3042	Vikhyat Mohandas Rai	IT	<i>Vikhyat</i>	<i>Vikhyat</i>
45	121A3052	HariOm Shukla	IT	<i>HariOm</i>	<i>HariOm</i>
46	121A3043	Ritik Shukla	IT	<i>Ritik</i>	<i>Ritik</i>
47	121A3060	Prajwal Arun Waghmode	IT	<i>Prajwal</i>	<i>Prajwal</i>
48	120A3007	Chinmay Devadiga	IT	<i>Chinmay</i>	<i>Chinmay</i>
49	121A3007	Arnab Samanta	IT	<i>Arnab</i>	<i>Arnab</i>
50	222 A1129	Mitali Mahajan	CE	<i>Mitali</i>	<i>Mitali</i>

**Data Visualisation for Data Science**

26<sup>th</sup> June to 3<sup>rd</sup> July 2023

Attendance Sheet

Date: 05/7/2023

Time 9.30am - 4.30pm

Venue - Lab NL1, NL2

Sr. No.	Roll No.	Name of Department	Name of Student	Morning Session (9.00 a. m. – 1.00 p.m.)	Afternoon Session (1.30 p.m. - 4.30 p.m.)
1	121A8063	Yadhav Jay Venkatesh	AIDS	<i>[Signature]</i>	<i>[Signature]</i>
2	222A8068	Shruti Tuteja	AIDS	<i>[Signature]</i>	<i>[Signature]</i>
3	222A8066	Manoday Kadam	AIDS	<i>[Signature]</i>	<i>[Signature]</i>
4	121A8038	PRACHITI RAJESH PALANDE	AIDS	<i>[Signature]</i>	<i>[Signature]</i>
5	121A8013	Priyadarshini Chavan	AIDS	<i>[Signature]</i>	<i>[Signature]</i>
6	121A8030	Mayakrishna Yadav	AIDS	<i>[Signature]</i>	<i>[Signature]</i>
7	222A9071	Suyash Joshi	AIML	<i>[Signature]</i>	<i>[Signature]</i>
8	121A9029	Tanmay Rajendra Mishale	AIML	<i>[Signature]</i>	<i>[Signature]</i>
9	121A9003	Sakshi Anil Alman	AIML	<i>[Signature]</i>	<i>[Signature]</i>
10	121A9005	Anushka Bharde	AIML	<i>[Signature]</i>	<i>[Signature]</i>
11	121A9039	ADITI PATIL	AIML	<i>[Signature]</i>	<i>[Signature]</i>
12	121A1011	Avaneesh Karthikeyan Iyer	CE		
13	120A1022	Guntaka Saikiran Reddy	CE	<i>[Signature]</i>	<i>[Signature]</i>
14	121A1096	Senthilmurugan	CE	<i>[Signature]</i>	<i>[Signature]</i>
15	121A1080	Deepti Umesh Poojary	CE	<i>[Signature]</i>	<i>[Signature]</i>
16	222A1127	Aditi Jagannath Patil	CE	<i>[Signature]</i>	<i>[Signature]</i>
17	121A1077	Anuradha Pillai	CE	<i>[Signature]</i>	<i>[Signature]</i>
18	120A1103	Spoorti Rajat Shetty	CE	<i>[Signature]</i>	<i>[Signature]</i>
19	120A1025	Iyer Anjali Subramanian	CE	<i>[Signature]</i>	<i>[Signature]</i>
20	120A1068	Sakshi Pramod Narkhede	CE	<i>[Signature]</i>	<i>[Signature]</i>

### 3. Feedback Report

Roll No	Name of Student	Relevance to the curriculum	Content Delivery	Effectiveness of the sessions	Satisfaction in General	Suggestions, if any
121A1085	Purva Ambre	4	4	4	4	No
121A3043	Ritik Shukla	4	4	4	3	No any Suggestions i think need here, everything was great.
121A1011	Avaneesh Karthikeyan Iyer	5	5	5	5	-
120A1049	Mahalaxmi Karthesan	4	4	4	4	.
120A3007	Chinmay Devadiga	5	5	5	5	No suggestions
120A2040	Rohan Salvi	4	4	4	4	-
121A2045	Shivpriya Atul Kadam	5	5	5	5	none
121A3052	HariOm Shukla	4	4	4	4	No suggestions! Sessions were great!
121A3007	Arnab Samanta	4	4	4	4	It was a good experience
222A1135	Sanika Sandeep Kurale	4	4	5	4	Nope
121A1081	Pranitha Sukumar	5	5	5	5	Good
121A1077	Anuradha Pillai	5	5	5	5	The Course really helped me to gain hands knowledge on Data Visualisation. Thank you Ujwala

						ma'am and Arthi ma'am.
121A9003	Sakshi Anil Alman	4	4	4	4	No
121A9039	ADITI PATIL	4	4	4	4	No
121A9005	Anushka Bharde	4	4	4	4	No
120A1103	Spoorti Rajat Shetty	4	4	4	4	No, it was great and informative overall
121A3060	Prajwal Arun Waghmode	4	4	4	4	
120A1025	Iyer Anjali Subramanian	5	5	5	5	-
121A8063	Jay Venkatesh Yadhav	5	5	5	5	Na
222A8068	Shruti R Tuteja	5	5	5	5	-
121A8030	Mayakrishna Yadav	4	4	4	4	Nothing
120A1051	Samiksha Mane	5	5	5	5	.
121A3042	Vikhyat Mohandas Rai	5	5	5	5	-
121A9029	Tanmay Mishalr	5	5	5	5	.
121A1067	Nandana Anil	4	4	4	4	No
121A1080	Deepti Umesh Poojary	4	4	4	4	No
222A8066	Manoday kadam	5	5	5	5	No
120A1011	Nikita Chaudhari	5	5	5	5	Good
222A9071	Suyash Joshi	4	4	4	4	No suggestions
120A1042	KMR DEEPTHI	5	5	5	5	-

121A8038	PRACHITI PALANDE	5	5	5	5	None
121A1096	Senthilmurugan	4	4	4	4	No
120A1039	Kaustubh Sonawane	5	5	5	5	.
120A1024	Aishwarya Iyer	4	5	4	4	.
121A1069	Amit BhimajiNarsale	5	5	5	5	no suggestions
120A1048	Pranav Dilip Mahadik	4	4	4	4	No all good
120A7047	Sakshi Sakhare	4	3	4	4	-
222A1129	Mitali Dinesh Mahajan	5	5	5	5	Thank you
222A1127	Aditi Jagannath Patil	4	4	4	4	course could have included some data cleaning concepts too.
120A1105	Shradha Sahu	5	5	5	5	.
121A1108	Avishka Sanjay Sonawane	5	5	5	5	No

#### 4. Evaluation by Quiz

# Data Visualization for Data Science Quiz- Value added course

\* Required

\* This form will record your name, please fill your name.

1. To connect Tableau to a CSV data source what type of connection should you use? \* (1 Point)

- Excel
- Text File
- Access File
- statistical File

2. What are the two main groups that all fields are broken up into in Tableau? \* (1 Point)

- Items and Regions
- Labels and Values
- Details and Quantities
- Dimensions and Measures

3. What are calculated fields in Tableau? \* (1 Point)

- There is only one calculated field in Tableau : 'Number of Records'
- Any numeric field is a calculation field because it can be used in calculation.
- These are custom variables that you create from fields provided in the data.
- Calculated fields have to be created in Excel and then imported into tableau

4. How many fields can you add to be shown in the label? \* (1 Point)

- Maximum 1
- Maximum 2
- Maximum 3
- No Limit

5. Which of these is a valid reason to use a Data Extract over a Live Connection to the Dataset in Tableau? \* (1 Point)

- Extracts always take up less space than Tableau
- Extracting data automatically fixes any data errors.
- your data is in Excel therefore you have to create an Extract in Tableau
- your data is constantly updating and you want to work with a static file when building your visual.

6. How does Tableau know at which level to aggregate values? \* (1 Point)

- Values are always aggregated at Month Level
- Values are always aggregated at one level above the level of granularity of the worksheet.
- values are always aggregated at the level of granularity of the worksheet
- Values are always aggregated at the maximum level of granularity of all of the worksheets in the workbook.

7. Which of these is NOT a type of Quick Filter available in Tableau? \* (1 Point)

- Single Value (List)
- Multiple Values ( List)
- Wildcard Match
- JSON Lookup (Category)

8. Which of the following are different ways you can select the worksheets to which you want to apply a filter? \* (1 Point)

- All using this Datasource
- Selected Worksheets
- Only This Worksheet
- All of the above

9. To add worksheets to a dashboard you can simply drag them onto the dashboard. \* (1 Point)

- True
- False

10. You can automatically generate Actions: Filter in Tableau through the dropdown of the selected worksheet in your dashboard. \* (1 Point)

- True
- False

11. What happens when one of the tables has duplicate values in the join clause? \* (1 Point)

- Duplicate Values get ignored
- Duplicate values are used, but only up to two times
- The Join produces an error.
- The matching row of the other table is replicated to accommodate the number of duplicates.

12. Data Blending in Tableau happens after aggregation is performed on the separate datasets \* (1 Point)

- True
- False

13. Which of the following is NOT a Quick Table Calculation in Tableau? \* (1 Point)

- Percentage of Total
- Running of Total
- Moving Average
- Stochastic Oscillation

14. Which of these is a type of allowable values for any parameter? \* (1 Point)

- ALL
- List
- Range
- All the above

15. What is the main visual element of a treemap called? \* (1 Point)

- Box
- Tree
- Branch
- Eco-Leaf

---

This content is neither created nor endorsed by Microsoft. The data you submit will be sent to the form owner.

## Result of Evaluation

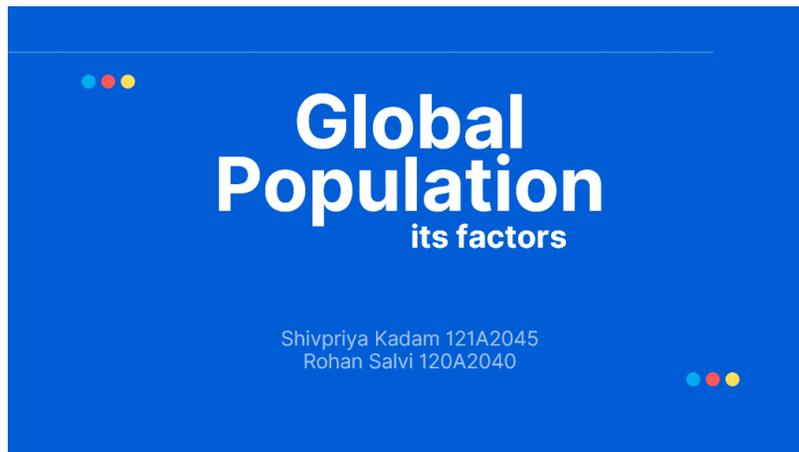
ID	Start time	Name	Total points
1	6-30-23 19:29:49	Avaneesh Iyer	11
2	7-1-23 9:26:37	Purva Ambre	14
3	7-1-23 13:47:47	Deepti Poojary	13
4	7-1-23 14:10:47	Vinitha Udaiyar	12
5	7-1-23 14:31:02	Rohan Salvi	12
6	7-1-23 14:32:26	Shivpriya Kadam	12
7	7-1-23 17:07:17	Avishka Sonawane	14
8	7-1-23 18:57:48	Rasmica Pranitha	13
9	7-1-23 19:31:33	Anuradha Pillai	12
10	7-2-23 15:25:37	Anil Nandana	14
11	7-2-23 18:40:48	Saikiran Reddy	11
12	7-2-23 19:15:03	SANIKA KURALE	11
13	7-2-23 22:15:17	Spoorti Shetty	12
14	7-3-23 18:52:18	Prajwal Waghmode	12
15	7-3-23 19:05:57	Vikhyat Rai	8
16	7-3-23 19:35:40	Chinmay Devadiga	9
17	7-3-23 20:33:14	Hariom Shukla	10
18	7-3-23 20:23:06	ADITI PATIL	11
19	7-3-23 21:47:24	Ritik Shukla	10
20	7-3-23 22:14:27	Sakshi Narkhede	11
21	7-3-23 23:37:58	MITALI MAHAJAN	8
22	7-3-23 23:47:46	Jay Yadhav	8
23	7-4-23 0:12:26	Nikita Chaudhari	11
24	7-4-23 7:34:20	Prachiti Palande	12
25	7-4-23 14:51:28	Sakshi Alman	11
26	7-4-23 14:24:49	Anushka Bharde	12
27	7-4-23 15:04:11	Aditi Patil	13
28	7-4-23 16:39:22	Tanmay Mishale	14
29	7-4-23 16:47:59	Mayakrishna Yadav	11
30	7-4-23 16:10:42	Senthilmurugan	12
31	7-4-23 17:13:52	SUYASH JOSHI	12
32	7-4-23 19:12:22	Priyadarshini Chavan	10
33	7-4-23 22:26:50	Kaustubh Sonawane	13
34	7-4-23 22:15:32	Samanta Amar	10
35	7-5-23 0:15:19	SHRUTI TUTEJA	10
36	7-5-23 11:08:00	Shradha Sahu	12
37	7-5-23 11:48:12	Deepthi Kmr	9
38	7-5-23 11:39:44	Anjali Iyer	10
39	7-5-23 11:42:16	Preethi Kmr	9
40	7-5-23 11:47:55	Karthesan Mahalaxmi	13
41	7-6-23 12:32:11	Samiksha Mane	13

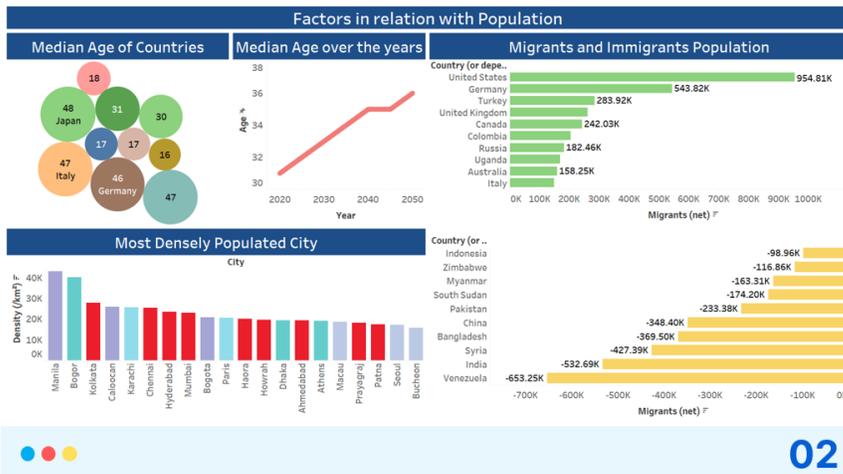
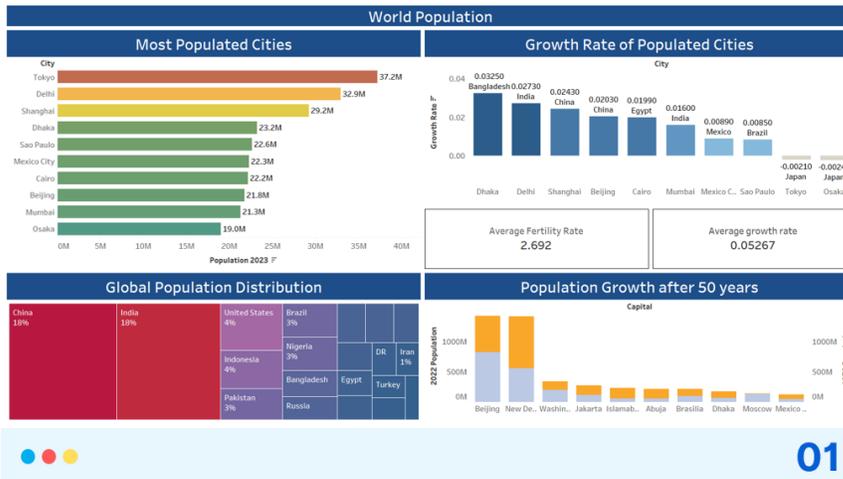
## 5. Internship Teams and Projects

Srno	Group no	Name of the student	Dataset
1	1	Sana Deshmukh	<a href="https://www.kaggle.com/datasets/oles04/bundesliga-soccer-player">https://www.kaggle.com/datasets/oles04/bundesliga-soccer-player</a>
2		Aryan Chalke	
3	2	Anuradha Pillai	<a href="https://www.kaggle.com/datasets/thirumani/shark-tank-india">https://www.kaggle.com/datasets/thirumani/shark-tank-india</a>
4		Pranitha Sukumar	
5	3	Arnab Samanta	<a href="https://www.kaggle.com/datasets/ravibarnawal/mutual-funds-india-detailed">https://www.kaggle.com/datasets/ravibarnawal/mutual-funds-india-detailed</a>
6		Vikhyat Rai	
7		Prajwal Waghmode	
8	4	Ritik Shukla	<a href="https://www.kaggle.com/datasets/lava18/google-play-store-apps">https://www.kaggle.com/datasets/lava18/google-play-store-apps</a>
9		HariOm Shukla	
10	5	Avaneesh Karthikeyan Iyer	<a href="https://www.kaggle.com/datasets/arnabchaki/indian-restaurants-2023">https://www.kaggle.com/datasets/arnabchaki/indian-restaurants-2023</a>
11		Jay Venkatesh	
12	6	Mayakrishna Yadav	<a href="https://www.kaggle.com/datasets/gregorut/videogamesales">https://www.kaggle.com/datasets/gregorut/videogamesales</a>
13		Senthilmurugan Selvakumar	
14	7	PRACHITI PALANDE	<a href="http://www.kaggle.com/datasets/shivamb/netflix-shows">www.kaggle.com/datasets/shivamb/netflix-shows</a>
15		PRIYADARSHINI CHAVAN	
16	8	Aditi J Patil	<a href="https://www.kaggle.com/datasets/himanshupoddar/zomato-bangalore-restaurants">https://www.kaggle.com/datasets/himanshupoddar/zomato-bangalore-restaurants</a>
17		Manoday Kadam	
18	9	MAHALAXMI KARTHESAN	<a href="https://www.kaggle.com/datasets/patrickb1912/ipl-complete-dataset-20082020">https://www.kaggle.com/datasets/patrickb1912/ipl-complete-dataset-20082020</a>
19		KMR PREETHI	
20	10	ANJALI IYER	<a href="https://www.kaggle.com/datasets/niharika41298/egg-production-dataset-state-wise-india">https://www.kaggle.com/datasets/niharika41298/egg-production-dataset-state-wise-india</a>
21		KMR DEEPTHI	
22	11	Shivpriya Kadam	<a href="https://www.kaggle.com/datasets/rajkumarpandey02/world-most-populated-city-2022-to-2023">https://www.kaggle.com/datasets/rajkumarpandey02/world-most-populated-city-2022-to-2023</a>
23		Rohan Salvi	
24	12	Nikita Chaudhari	<a href="https://www.kaggle.com/datasets/azim069/yahoo-finance-crypto-real-time-prices-dataset">https://www.kaggle.com/datasets/azim069/yahoo-finance-crypto-real-time-prices-dataset</a>
25		Kaustubh Sonawane	
26	13	Shruti Tuteja	<a href="https://www.kaggle.com/datasets/nishantbhardwaj07/airindia-monthly-passenger-traffic">https://www.kaggle.com/datasets/nishantbhardwaj07/airindia-monthly-passenger-traffic</a>
27		Suyash Joshi	
28	14	Deepti Poojary	<a href="https://www.kaggle.com/datasets/rajkumarpandey02/rainfall-in-all">https://www.kaggle.com/datasets/rajkumarpandey02/rainfall-in-all</a>
		Avishka Sonawane	

			<a href="#">india-dataset-1901-2016</a>
29	15	Purva Ambre	<a href="https://www.kaggle.com/datasets/oles04/bundesliga-seasons">https://www.kaggle.com/datasets/oles04/bundesliga-seasons</a>
30		Nandana Anil	
31	16	Vinitha Udaiyar	<a href="https://www.kaggle.com/datasets/bilalwaseer/top-1000-bollywood-movies-and-their-box-office">https://www.kaggle.com/datasets/bilalwaseer/top-1000-bollywood-movies-and-their-box-office</a>
32		Sakshi Sakhare	
33	17	Aishwarya Iyer	<a href="https://www.kaggle.com/datasets/utkarshx27/movies-dataset">https://www.kaggle.com/datasets/utkarshx27/movies-dataset</a>
34		Samiksha Mane	
35		Sakshi Narkhede	
36	18	Sanika Kurale	<a href="#">Walmart Dashboard in Tableau   Kaggle</a>
37		Mitali Mahajan	
38	19	Shradha Sahu	<a href="#">Top Trends on TikTok &amp; Youtube Shorts 2022 summer   Kaggle</a>
39		Spoorti Shetty	
40	20	Saikiran Reddy	<a href="#">Happiness and Corruption 2015-2020   Kaggle</a>
41		Pranav Mahadik	
42		Chinmay Devadiga	
43	21	Tanmay Mishale	0
44		Aditi Patil	
45	22	Anushka Bharde	<a href="https://data.gov.sg/dataset/resident-population-by-ethnicity-gender-and-age-group">https://data.gov.sg/dataset/resident-population-by-ethnicity-gender-and-age-group</a>
46		Sakshi Alman	

## 6. Sample Visualizations





**Impact Analysis:** The incorporation of data visualization into a data science course for students has a profound impact on their learning experience and future prospects. Firstly, it enhances the learning process by making complex data-related concepts more accessible and engaging. Students gain practical skills in interpreting and understanding data through visual representations, enabling them to identify patterns and trends effectively. Students could complete internship projects and developed dashboards using Power Bi, Tableau and Advanced Excel.