

DATE: 19/03/21 and 20/03/21

Event Coordinator(s)

1. S.Beatrice
2. Sushama Khanvilkar

Student Coordinator(s)

1. Kevin Fernandes
2. Lincy Lois Brian

Time and place:

Zoom Online & Google Meet

10:00 am -12:30 pm and
1:00 pm- 3:00 pm

Xavier Institute of Engineering

Department:

Computer Engineering

No of Participants: 100

EVENT: DATA ANALYTICS and JAVA (in Industry)

Details of the resource person:

- a. Mr.Ajay Gupta – Senior Developer at Tata Digital
- b. Mr.Stanley Fernandes – Decision Scientist Consultant at Fractal Analytics
- c. Mr.Brendan Fernandes – Senior Technical Consultant

Short Description:

Target Audience: Third Year and Second Year Computer Engineering Students

Purpose:

- To make the students aware about the importance of Data Analytics in various day to day fields.
- To demonstrate the usage of Java in Industry.

Benefits:

- Improve creative and critical thinking based on analysis Fields such as Sports, Health Care, Finance, etc
- Make extensive use of Data Analytics, hence, studying it should be given importance.
- Enhances knowledge about using Java in particular to analyze raw data.

This event was held on Zoom online and Google Meet online platform, roughly around 100 combined students from SE and TE Computer branch attended the event.

The event began with a general introduction about how Data Analytics plays a crucial role in studying chunks of data, followed by quite a few interesting areas where it is extensively used.

Furthermore, the session also included how we can use Java to tackle such Analytic problems.

Student Feedback and Benefits:

All the sessions were very interactive and the brainstorming session where students were asked to suggest fields where they think Data Analytics is used also was very informative as it brought out new ideas from the students as well.

The screenshot shows a Zoom meeting interface. At the top, it says "Stanley Fernandes is presenting". The main content is a Jupyter Notebook titled "Python Basics" with the following sections:

- Writing the First greetings statement in Python**
Code: `print ("Hello XIE")`
Output: `Hello XIE`
- Variables in Python**
Text: "A variable is a named piece of memory that can store a value."
Text: "Usage: Compute an expression's result, Store that result into a variable, and use that variable later in the program."
Text: "No need to declare Need to assign (initialize) However, use of uninitialized variable raises exception"
Text: "Everything is a 'variable'. Even functions, classes, modules"
- Assigning Variables**
Code: `greetings = "Hello XIE"`
`space = ""`
`spec = "Comp Science"`

At the bottom of the notebook, there is a notification: "meet.google.com is sharing your screen. Stop sharing Hide".

Meeting details ^



Raise hand

The screenshot shows a Zoom meeting interface. At the top, it says "Stanley Fernandes is presenting". The main content is a Jupyter Notebook titled "Iris Dataset" with the following code cells:

```
In [ ]: import pandas as pd
iris_file = "iris.csv"

In [ ]: iris_data = pd.read_csv(iris_file)
iris_data.columns = (['sepal_length', 'sepal_width', 'petal_length', 'petal_width', 'target'])
print(iris_data)
len(iris_data)

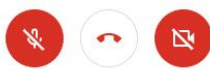
In [ ]: print(iris_data.shape)
print(iris_data.columns)
print(iris_data.dtypes)
print(iris_data.describe())

In [ ]: import matplotlib.pyplot as plt
plt.scatter(iris_data['petal_width'], iris_data['petal_length'], alpha = 0.5, color = 'r')
plt.xlabel("iris petal width")
plt.ylabel("iris petal length")

In [ ]: plt.hist(iris_data['petal_width'], bins = 20)
plt.xlabel("petal width distribution")

In [ ]: iris_data.boxplot()
```

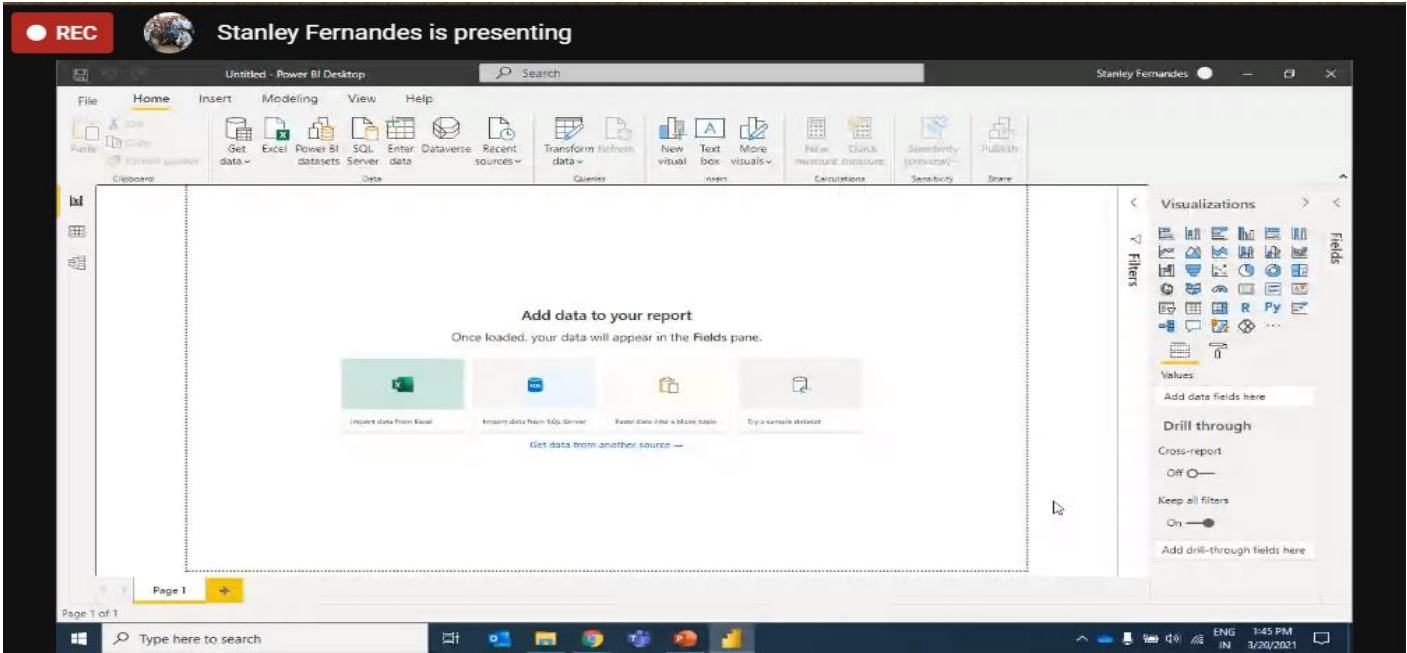
Meeting details ^



Raise hand

Turn on captions

Stanley Fernandes is presenting



**Co-Ordinator
Beatrice.S**
Asst.Professor
Computer Engineering
Department

**Co-Ordinator
Sushama Khanvilkar**
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Computer Engineering
Department

REC Stanley Fernandes is presenting

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Clipboard Data

Table: Combined Dataset (417,904 rows) Column: PopMale (233,001 distinct values)

LocID	Location	Time	AgeGrp	AgeGrpStart	AgeGrpSpan	PopMale	PopFemale	PopTotal
4	Afghanistan	1950	0-4	0	5	630,044	661,378	1,291,622
8	Albania	1950	0-4	0	5	93,94	86,84	180,78
12	Algeria	1950	0-4	0	5			
24	Angola	1950	0-4	0	5			
28	Antigua and Barbuda	1950	0-4	0	5			
32	Argentina	1950	0-4	0	5			
51	Armenia	1950	0-4	0	5			
533	Aruba	1950	0-4	0	5			
36	Australia	1950	0-4	0	5			
40	Austria	1950	0-4	0	5			
31	Azerbaijan	1950	0-4	0	5			
44	Bahamas	1950	0-4	0	5	9,962	8,776	18,738
48	Bahrain	1950	0-4	0	5	10,293	9,945	20,238
50	Bangladesh	1950	0-4	0	5	3169,321	3068,531	6237,852
52	Barbados	1950	0-4	0	5	13	26	39
112	Belarus	1950	0-4	0	5	333,7	325,456	659,156
56	Belgium	1950	0-4	0	5	355,178	341,642	696,82
84	Belize	1950	0-4	0	5	5,456	5,402	10,858
204	Benin	1950	0-4	0	5	143,828	164,993	308,821
64	Bhutan	1950	0-4	0	5	16,236	15,549	31,785
68	Bolivia (Plurinational State of)	1950	0-4	0	5	252,122	244,114	496,236
70	Bosnia and Herzegovina	1950	0-4	0	5	195	189,499	384,499
72	Botswana	1950	0-4	0	5	31,319	30,913	62,232

Load
Combined Dataset
13.9 MB from population-2000-2049.csv

Fields

- Append1
- Combined Dataset
 - AgeGrp
 - AgeGrpSpan
 - AgeGrpStart
 - Location
 - LocID
 - PopFemale
 - PopMale
 - PopTotal
 - Time
- population-1950-...
- population-2000-...

ENG 2:17 PM
IN 3/20/2021

REC Stanley Fernandes is presenting

AutoSave Analytics Seminar - Main - Saved

File Home Insert Design Transitions Animations Slide Show Review View Help

Clipboard Slides

Resources

1. Power BI Course: <https://www.udemy.com/course/powerbi-complete-introduction/>
2. Power BI DAX: <https://www.udemy.com/course/advanced-dax-for-power-bi/>
3. Python Practice: <https://www.practicepython.org/>
4. Python Basics Course: <https://www.udemy.com/course/python-for-data-science-and-machine-learning-bootcamp/>
5. Analytics Blogs: <https://www.analyticsvidhya.com/blog/>
6. Hackathons: <https://datahack.analyticsvidhya.com/contest/>
7. Open Government Data: <https://data.gov.in/>

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