

PROJECT DEVELOPMENT PHASE

SPRINT – 3

Team ID	PNT2022TMID07696
Project Name	Estimate The Crop Yield Using Data Analytics
Date	7/11/2022

Dashboard Creation Using Colab:

The screenshot displays the Google Colaboratory interface for an 'Untitled3.ipynb' notebook. The notebook contains four code cells that have been executed successfully, as indicated by green checkmarks. The first cell mounts the Google Drive at '/content/drive'. The second cell installs the 'pywedge' library. The third cell imports 'pywedge' as 'pw' and 'pandas' as 'pd'. The fourth cell reads a CSV file from the drive and displays the first five rows of the data. The data table has columns: State_Name, District_Name, Crop_Year, Season, Crop, Area, and Production. The first row of data shows 'Andaman and Nicobar Islands' for the year 2000, with 'Areca nut' as the crop, an area of 1254.0, and a production of 2000.0. The interface also shows a file explorer on the left, a toolbar at the top with options like 'Code' and 'Text', and a status bar at the bottom indicating the execution time of 5 seconds and completion at 1:42 AM.

```
[1] from google.colab import drive
drive.mount('/content/drive')

Mounted at /content/drive

[2] !pip install pywedge

[3] import pywedge as pw
import pandas as pd

[5] df = pd.read_csv("/content/drive/My Drive/crop_production.csv")
df.head()
```

	State_Name	District_Name	Crop_Year	Season	Crop	Area	Production
0	Andaman and Nicobar Islands	NICOBARS	2000	Kharif	Areca nut	1254.0	2000.0

IBM (127) How To Build Interactive D... Untitled3.ipynb - Colaboratory

colab.research.google.com/drive/1oh4TmUuZ0NUmZtQFGH0m3uedKriP5tG6#scrollTo=nm_-v7NkxHrq

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Untitled3.ipynb

File Edit View Insert Runtime Tools Help All changes saved

+ Code + Text

RAM Disk

Editing

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	State_Name	District_Name	Crop_Year	Season	Crop	Area	Production
0	Andaman and Nicobar Islands	NICOBARS	2000	Kharif	Arecanut	1254.0	2000.0
1	Andaman and Nicobar Islands	NICOBARS	2000	Kharif	Other Kharif pulses	2.0	1.0
2	Andaman and Nicobar Islands	NICOBARS	2000	Kharif	Rice	102.0	321.0
3	Andaman and Nicobar Islands	NICOBARS	2000	Whole Year	Banana	176.0	641.0
4	Andaman and Nicobar Islands	NICOBARS	2000	Whole Year	Cashewnut	720.0	165.0

[9] `mc = pw.Pywedget_Charts(df, c=None, y = 'Crop')`

/usr/local/lib/python3.7/dist-packages/pywedget/pywedget.py:27: FutureWarning: In a future version of pandas all arguments of DataFrame.drop except self.X = self.train.drop(self.y,1)

charts = mc.make_charts()

5s completed at 1:42 AM

Type here to search

ENG IN 1:55 AM 11/15/2022

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charts = mc.make_charts()

Pywedget Make_Charts

Scatter Plot Pie Chart Bar Plot Violin Plot Box Plot Distribution Plot **Histogram** Correlation plot

Histogram

X_Axis State_Name X_Axis State_Name

Make_Chart Make_Chart

X_Axis State_Name X_Axis Crop_Year

Make_Chart Make_Chart

5s completed at 1:42 AM

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