

PROJECT DEVELOPMENT PHASE

SPRINT – 3

Team ID	PNT2022TMID45484
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 is open in a web browser with the URL `colab.research.google.com/drive/1oh4TmUuZONUmZtQFGH0m3uedKriP5tG6#scrollTo=nm_v7NlxHrq`. The interface includes a menu bar (File, Edit, View, Insert, Runtime, Tools, Help) and a toolbar with options for Code and Text. The notebook content shows four code cells:

```
[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()
```

Below the code cells, a table preview is shown with the following columns: State_Name, District_Name, Crop_Year, Season, Crop, Area, and Production. The first row of data is:

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

The bottom status bar indicates '5s completed at 1:42 AM' and shows system icons for Windows, search, and network.

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

colab.research.google.com/drive/1oh4TmUuZ0NUmZtQFGH0m3uedKrlP5tG6#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	Areacanut	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.Pywedg_Charts(df, c=None, y = 'Crop')`

`/usr/local/lib/python3.7/dist-packages/pywedg/pywedg.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()`

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ENG 1:55 AM 11/15/2022

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Pywedg 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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