NALAIYA THIRAN
WEEK 4 REPORT

Project Title: A Novel Method for Handwritten Digit Recognition System

Team ID: PNT2022TMID15720

GitHub ID: https://github.com/IBM-EPBL/IBM-Project-24169-1659939062

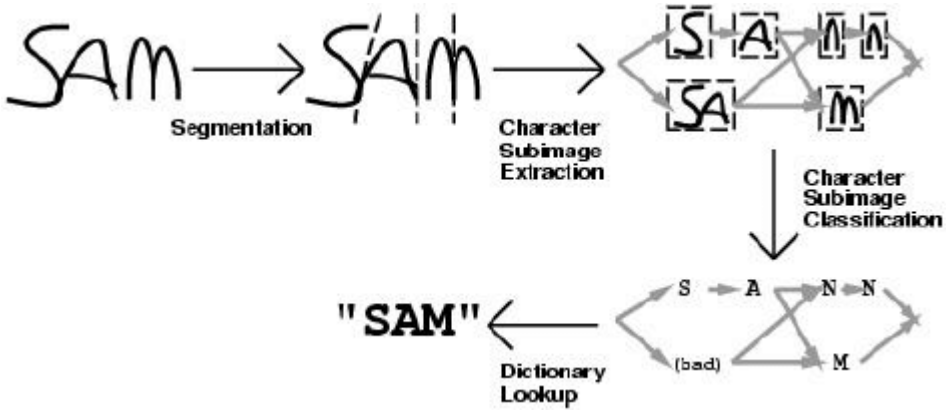
Mentor Name: **N BanuPriya**

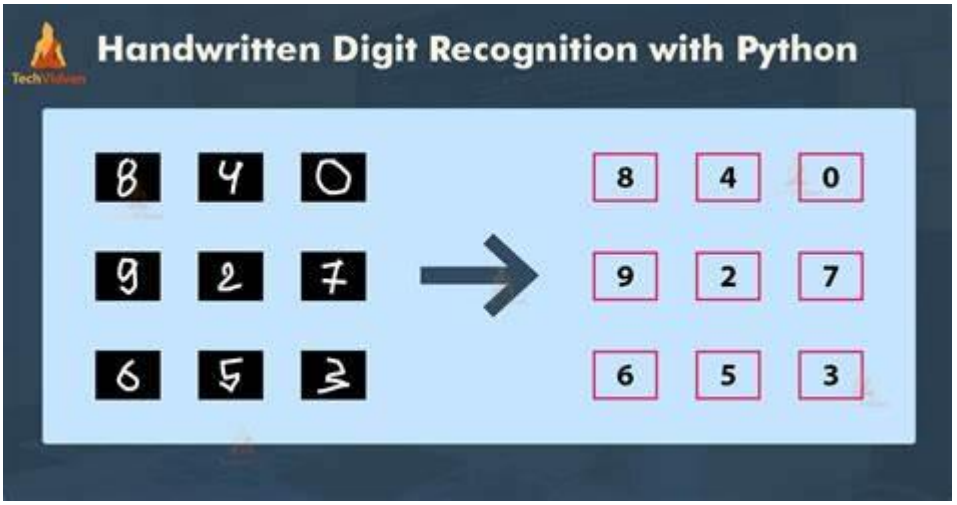
Team Members: Kasamsetty Rahul (Team Leader) – 111719104073
K V Gopi Krishna – 111719104077
Katari Tejesh Chowdary – 111719104074
Mukesh Manikandan – 111719104098

Phase 2 Description: Ideation Phase (Literature Survey, Empathize, Defining Problem Statement, Ideation)

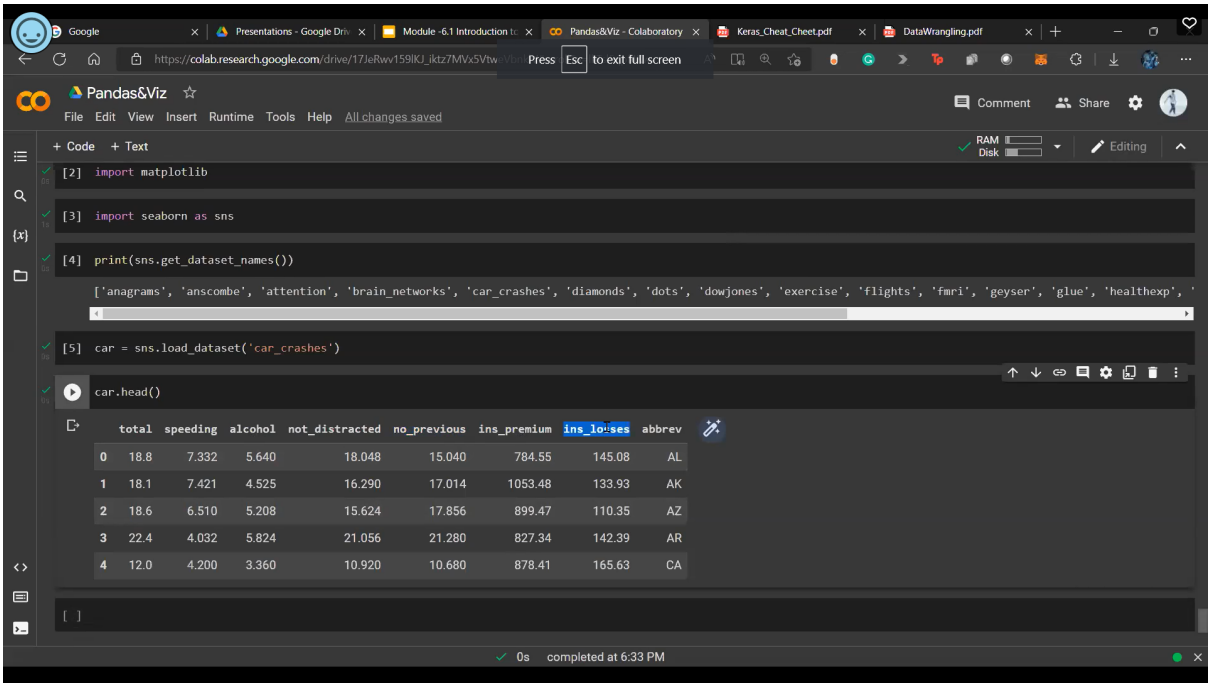
2.5 List the ideas (atleast 4 per each team member) by organizing the brainstorming session and prioritize the top 3 ideas based on the feasibility & importance

BRAINSTORMING





AI-B4-4M6E (Morning Session)-Day-5 (15.09.2022)


Pandas&Viz
File Edit View Insert Runtime Tools Help All changes saved
+ Code + Text
[2] import matplotlib
[3] import seaborn as sns
[4] print(sns.get_dataset_names())
['anagrams', 'anscombe', 'attention', 'brain_networks', 'car_crashes', 'diamonds', 'dots', 'dowjones', 'exercise', 'flights', 'fmri', 'geyser', 'glue', 'healthexp',
[5] car = sns.load_dataset('car_crashes')
car.head()
total speeding alcohol not_distracted no_previous ins_premium ins_losses abbrev
0 18.8 7.332 5.640 18.048 15.040 784.55 145.08 AL
1 18.1 7.421 4.525 16.290 17.014 1053.48 133.93 AK
2 18.6 6.510 5.208 15.624 17.856 899.47 110.35 AZ
3 22.4 4.032 5.824 21.056 21.280 827.34 142.39 AR
4 12.0 4.200 3.360 10.920 10.680 878.41 165.63 CA
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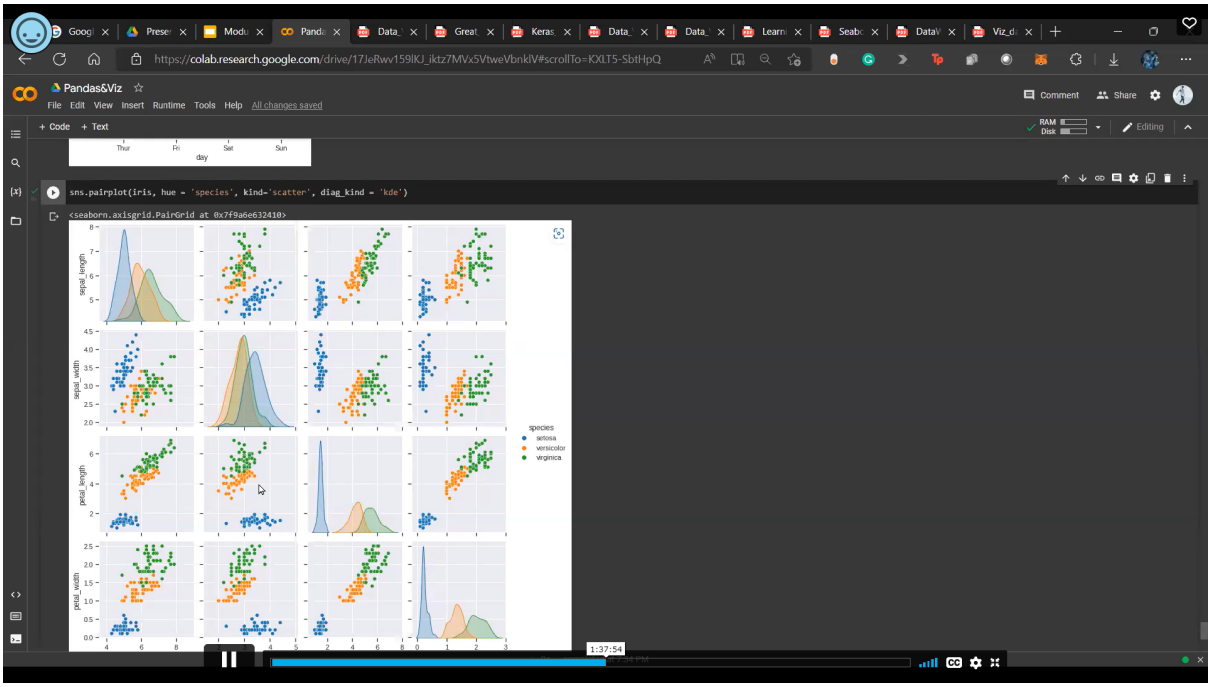
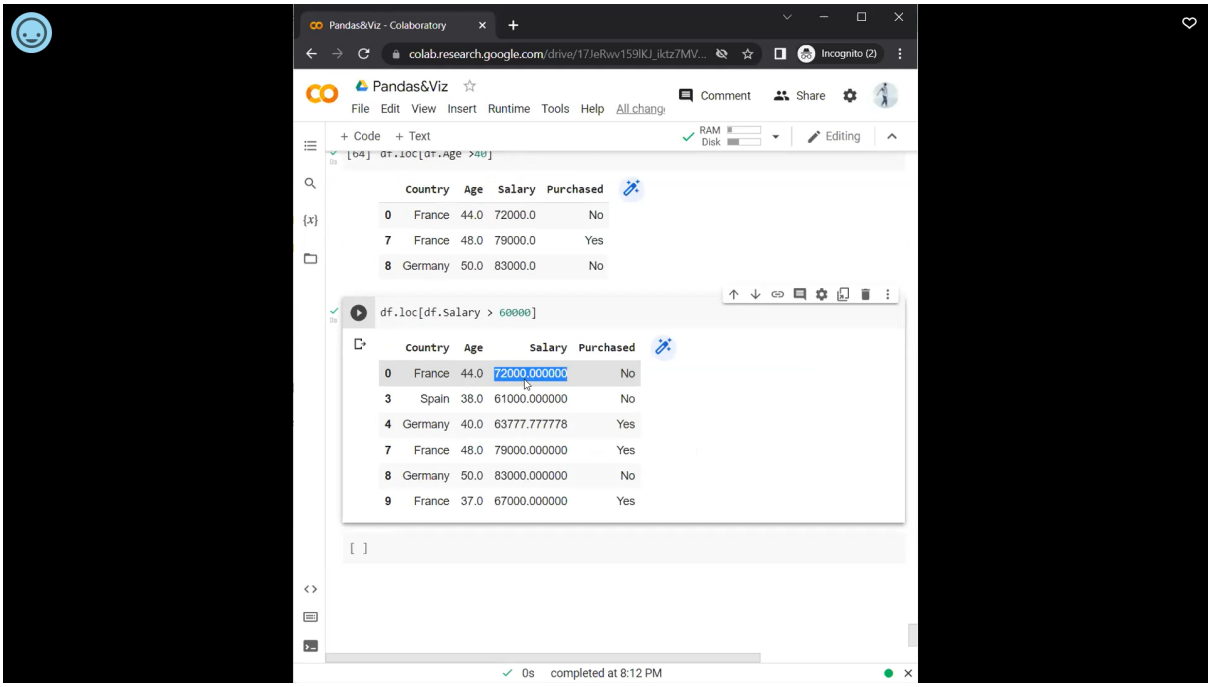

Pandas&Viz
sns.pairplot(iris, hue = 'species', kind='scatter', diag_kind = 'kde')
<seaborn.axisgrid.PairGrid at 0x7f9a6e632410>
sepal_length
sepal_width
petal_length
petal_width
species
setosa
versicolor
virginica
1:37:54


Pandas&Viz - Colaboratory
colab.research.google.com/drive/17JeRwv159lKJ_iktz7MV...
Incognito (2)
Pandas&Viz
File Edit View Insert Runtime Tools Help All chang
Comment
Share
+ Code + Text
RAM
Disk
Editing
[64] df.loc[df.Age >40]
Country Age Salary Purchased
0 France 44.0 72000.0 No
7 France 48.0 79000.0 Yes
8 Germany 50.0 83000.0 No
df.loc[df.Salary > 60000]
Country Age Salary Purchased
0 France 44.0 72000.000000 No
3 Spain 38.0 61000.000000 No
4 Germany 40.0 63777.777778 Yes
7 France 48.0 79000.000000 Yes
8 Germany 50.0 83000.000000 No
9 France 37.0 67000.000000 Yes
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