

Name	Last Modified
Applications	9 months ago
Code	11 days ago
Desktop	2 days ago
Documents	3 days ago
Downloads	5 hours ago
Dropbox	15 days ago
Movies	10 months ago
Music	9 months ago
Pictures	4 months ago
Public	10 months ago
12548059740-IRP...	5 months ago
config.log	3 months ago
distribute_setup.py	11 days ago
dt.dot	a minute ago
get-pip.py	11 days ago
IE598_F19_HW1.ipynb	5 days ago
IE598_F19_HW1.py	7 days ago
IE598_F19_HW2.ip...	a minute ago

Assignment 2 - 09/08/2019

DATA SCREENING

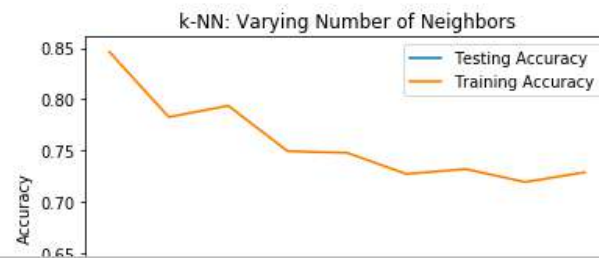
```
(900, 12)
(900, 10)
(900,)
(900, 9)
(630, 9) (630,)
```

1ST MODEL: k-NN CLASSIFIER

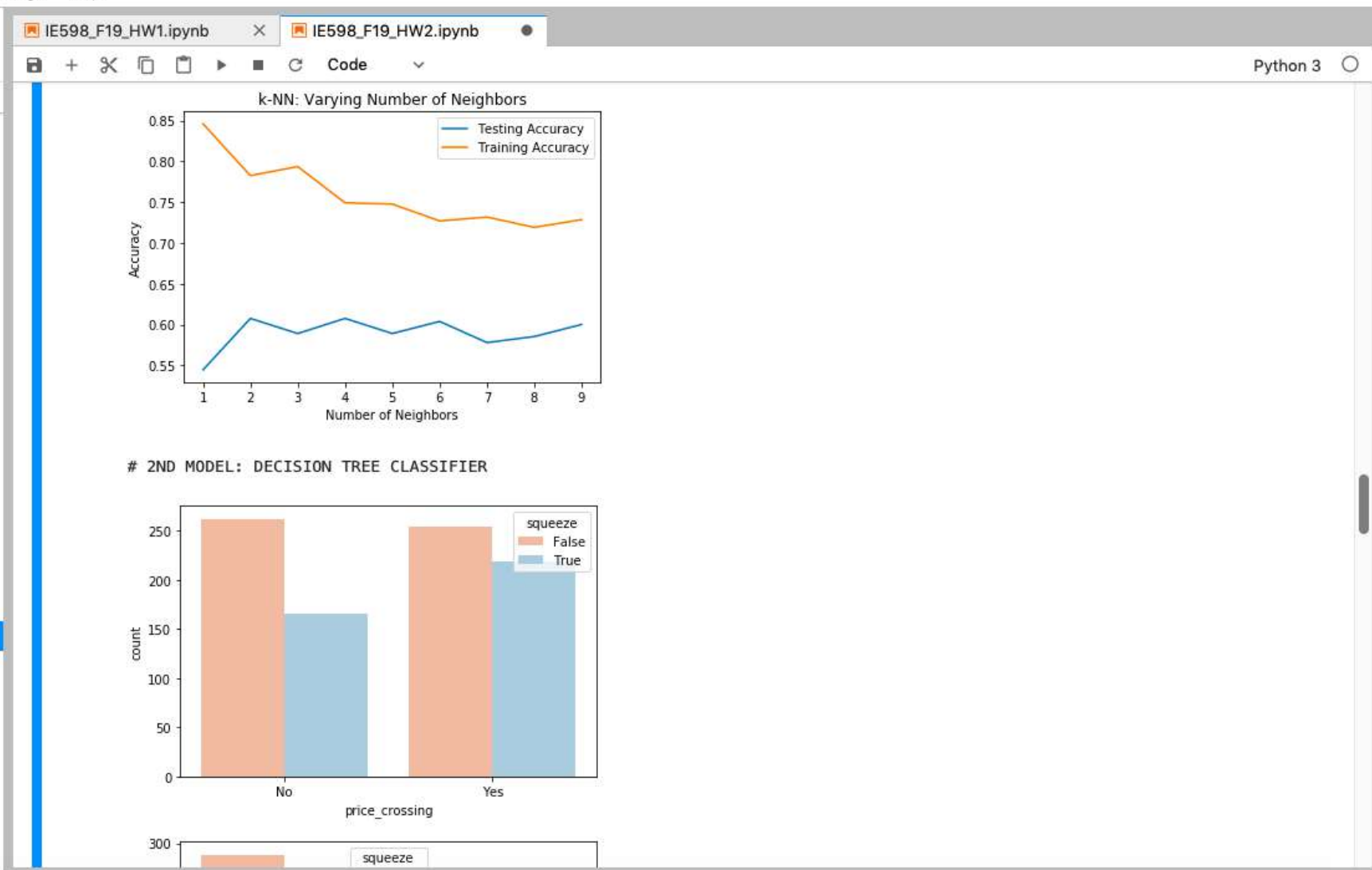
k Accuracy (Train) Accuracy (Test)

1	0.846	0.544
2	0.783	0.607
3	0.794	0.589
4	0.749	0.607
5	0.748	0.589
6	0.727	0.604
7	0.732	0.578
8	0.719	0.585
9	0.729	0.6

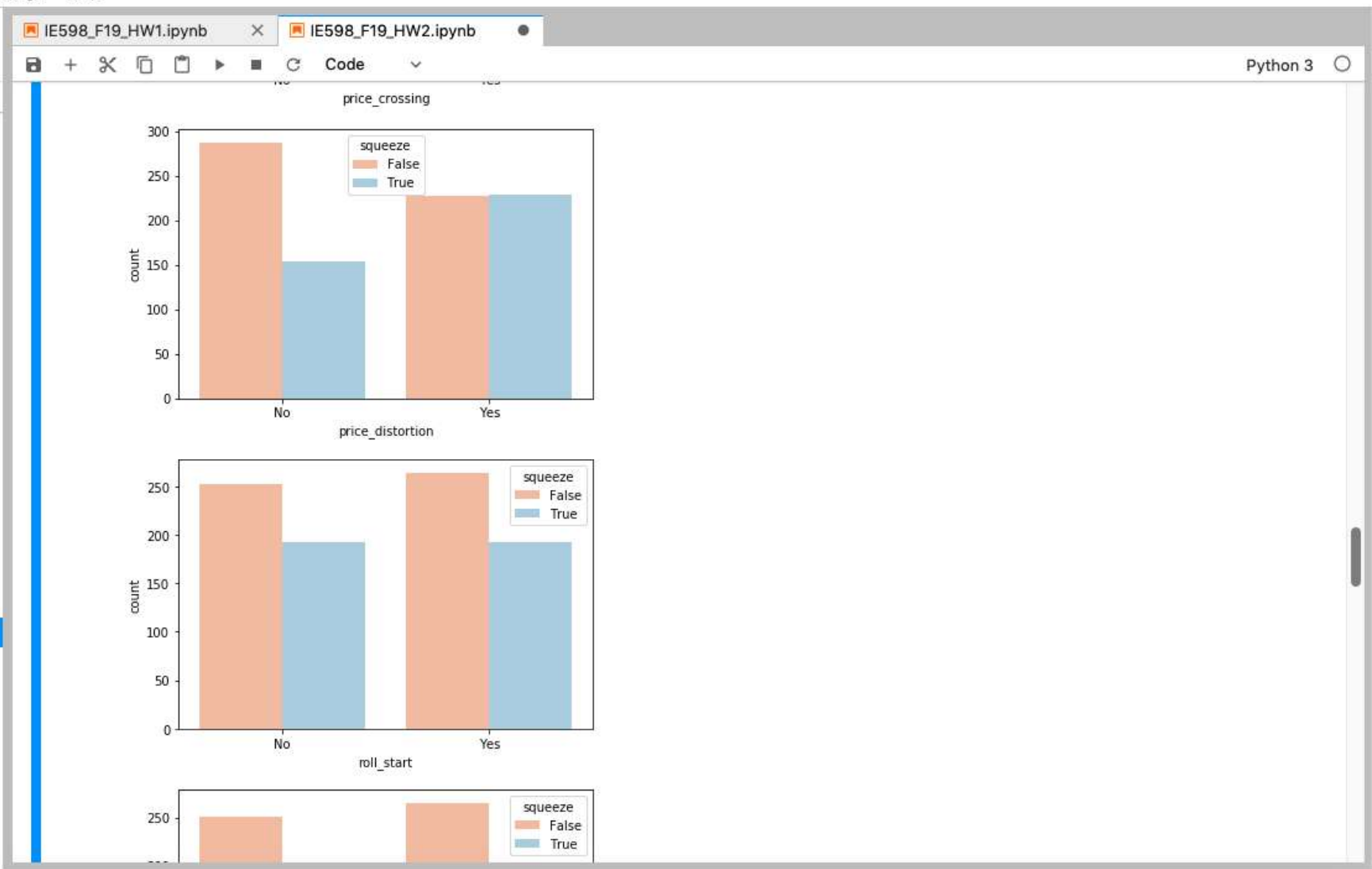
Values of k and maximum accuracy in the test sample are:
[4. 0.60740741]

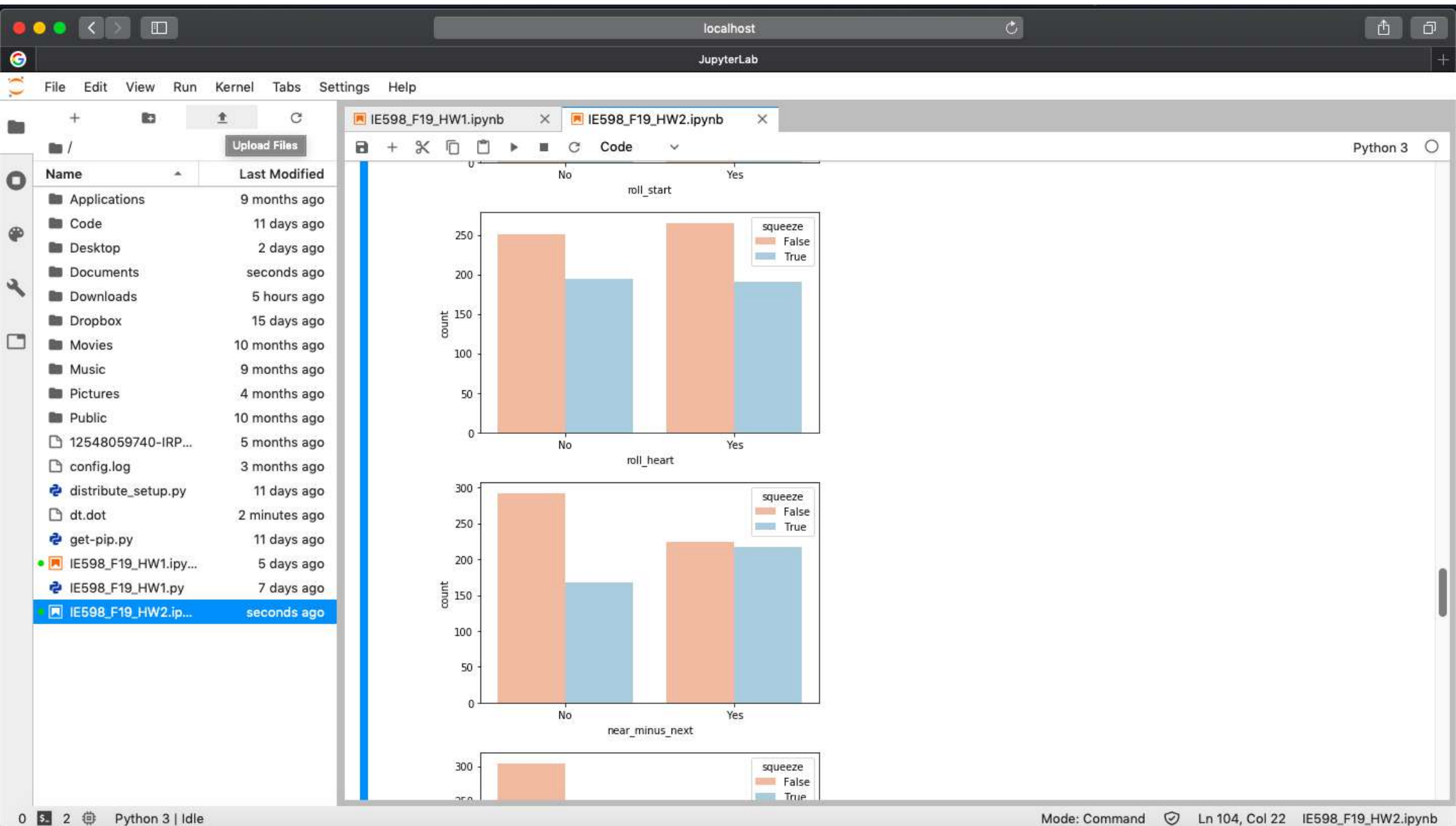


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IE598_F19_HW1.py	7 days ago
IE598_F19_HW2.ipynb	2 minutes ago



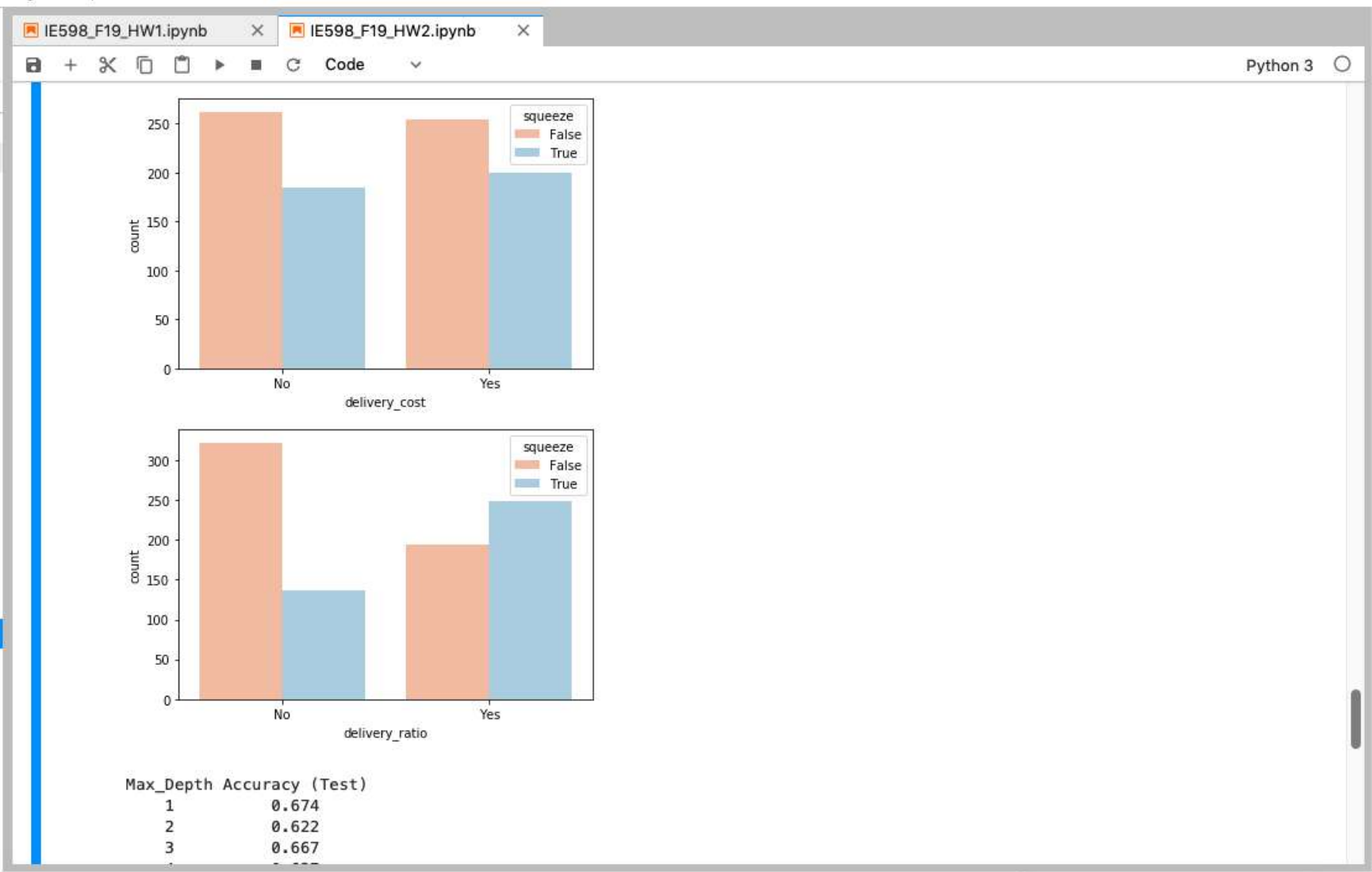


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IE598_F19_HW1.ipynb	5 days ago
IE598_F19_HW1.py	7 days ago
IE598_F19_HW2.ip...	seconds ago



File browser sidebar showing a list of files and folders. The 'Code' folder is selected, and the file 'IE598_F19_HW2.ipynb' is highlighted.

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IE598_F19_HW1.ipynb IE598_F19_HW2.ipynb

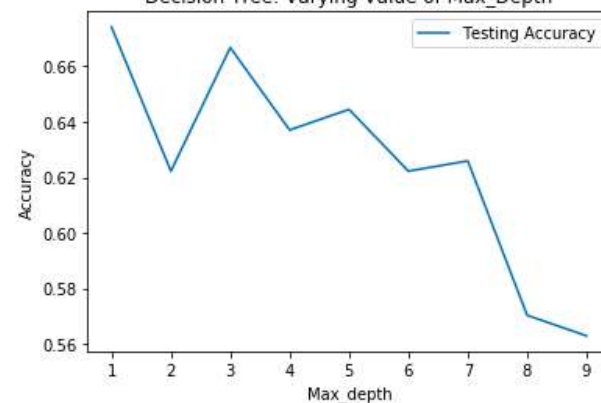
Code

Python 3

Max_Depth Accuracy (Test)

1	0.674
2	0.622
3	0.667
4	0.637
5	0.644
6	0.622
7	0.626
8	0.57
9	0.563

Decision Tree: Varying Value of Max_Depth



My name is: Carolina Carvalho Manhaes Leite

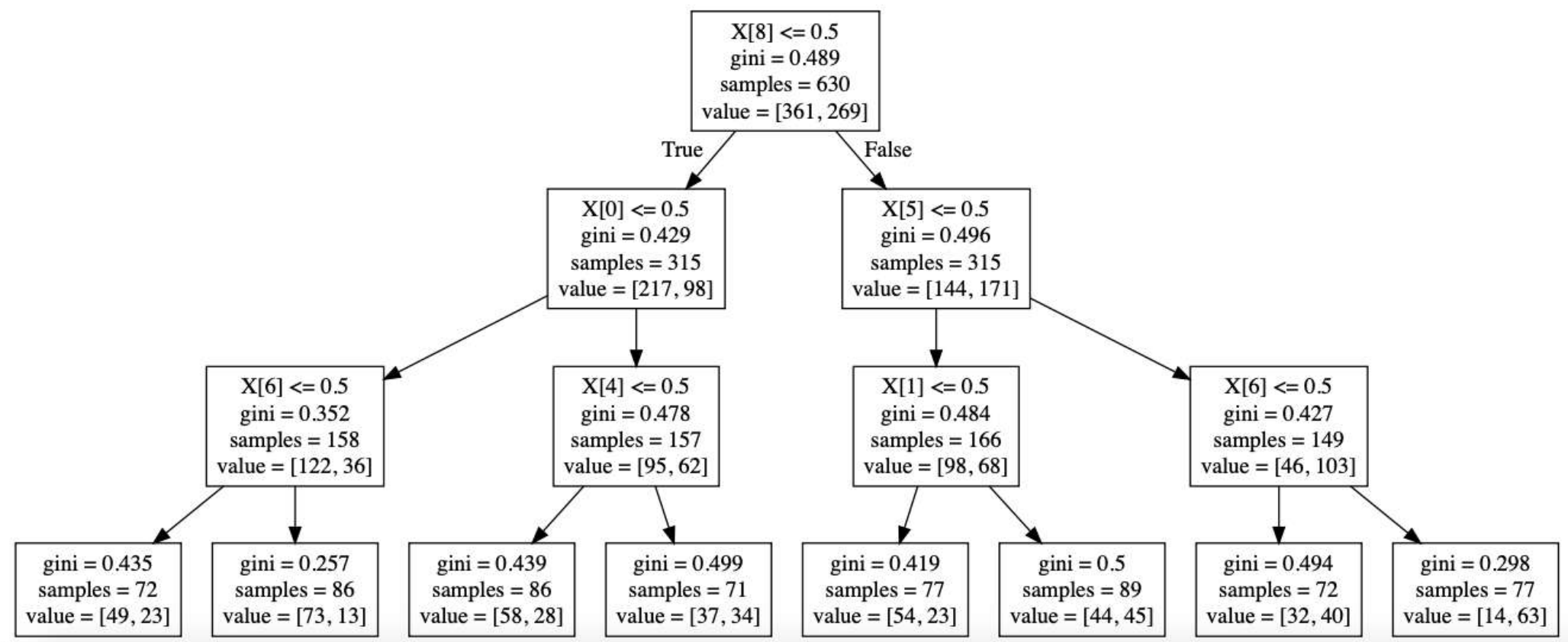
My NetID is: leite2

I hereby certify that I have read the University policy on Academic Integrity and that I am not in violation.

[]:


```
11 [label="gini = 0.5\nsamples = 89\nvalue = [44, 45]";  
9 -> 11;  
12 [label="X[6] <= 0.5\ngini = 0.427\nsamples = 149\nvalue = [46, 103]";  
8 -> 12;  
13 [label="gini = 0.494\nsamples = 72\nvalue = [32, 40]";  
12 -> 13;  
14 [label="gini = 0.298\nsamples = 77\nvalue = [14, 63]";  
12 -> 14;  
}
```

Generate Graph!



https://github.com/leiteccml/Carolina_2019

FinderFileEditViewGoWindowHelp

datacamp.com

JupyterLabMy Assignments

C

Carolina Carvalho Manhaes Leite

My Assignments

ASSIGNMENTS

NAME	ASSIGNED AT	DUE BY	TYPE		
Introduction to Python	Sep 8, 2019	Oct 20, 2019, 23:59 CDT	Complete Course	Completed	>
Intro to Python for Finance	Sep 8, 2019	Oct 20, 2019, 23:59 CDT	Complete Course	In progress	>
Classification	Sep 8, 2019	Sep 15, 2019, 23:59 CDT	Complete Chapter	Completed	>
Classification and Regression Trees	Sep 8, 2019	Sep 15, 2019, 23:59 CDT	Complete Chapter	Completed	>

TodayNotifications

Sunday, September 8

CALENDAR

No Events

WEATHER

5:30 PM Urbana -- --°

5:30 PM Chicago ☁ 23°

6:30 PM Nova Iorque ☁ 24°

7:30 PM São Paulo ☁ 11°

Show More...

STOCKS

^BVSP 102,935.43 + 0.68%

DOW J 26,797.46 + 0.26%

AAPL 213.26 - 0.01%

SBUX 95.74 + 0.19%

NKE 88.69 + 0.31%

Show More