

Today's Youth Choice

Here , the data of different youths are given with their specification. The data is available as a CSV file.I am analyzing this data using Pandas Dataframe.

```
import pandas as pd
import numpy as np
%matplotlib inline
from matplotlib import pyplot as plt
```

```
youth=pd.read_csv('survey.csv')
```

```
youth.head()
```

	Timestamp	Username \
0	2022/01/26 3:24:04 PM GMT+5:30	19cse047@gweca.ac.in
1	2022/01/26 3:35:19 PM GMT+5:30	sanjaybasita480@gmail.com
2	2022/01/26 3:46:51 PM GMT+5:30	bhadouriyaeshika@gmail.com
3	2022/01/26 3:48:37 PM GMT+5:30	anushka81020@gmail.com
4	2022/01/26 3:50:02 PM GMT+5:30	jayanayak210@gmail.com

	which app would you prefer \
0	Youtube
1	Educational apps(classroom)
2	Youtube
3	books & references
4	Youtube

	Which app do you use the most?(favourite & frequently used app) \
0	You Tube
1	You tube
2	You tube
3	Youtube
4	YouTube

	most favourite social media app which feature is best in your favourite app \	
0	instagram	
working		
1	whatsapp	own
interest		
2	instagram	
working		
3	whatsapp	
working		
4	instagram	own
interest		

which area will snatch your attention \

0	Arts and culture
1	Arts and culture
2	technology
3	science facts
4	technology

what extra reuirements you wish to have in your mobile apps. \

0	Long last
1	NaN
2	Without writing and without speaking our app c...
3	Security and privacy that no one can hack my p...
4	NaN

How satisfied are you with the loading speed of your favourite mobile app? \

0	5
1	2
2	5
3	5
4	4

How would you rate the look and feel of your favourite mobile app? \

0	5
1	4
2	4
3	5
4	4

which app was frustating ,which you ever installed. \

0	An video editorial app
1	Zoom
2	Facebook
3	Advertising apps means that any app that show ...
4	Telegram

what was annoying in that particular app

0	working
---	---------

```

1                working
2            too many ads
3            too many ads
4            too many ads

```

QUESTION 1) find a null value in the dataset. if there is no null in a ny column then replace it with true.

```
youth.isnull().sum()
```

```
Timestamp
```

```
0
```

```
Username
```

```
0
```

```
which app would you prefer
```

```
0
```

```
Which app do you use the most?(favourite & frequently used app)
```

```
0
```

```
most favourite social media app
```

```
0
```

```
which feature is best in your favourite app
```

```
0
```

```
which area will snatch your attention
```

```
0
```

```
what extra reuirements you wish to have in your mobile apps.
```

```
9
```

```
How satisfied are you with the loading speed of your favourite mobile app? 0
```

```
How would you rate the look and feel of your favourite mobile app?
```

```
0
```

```
which app was frustating ,which you ever installed.
```

```
0
```

```
what was annoying in that particular app
```

```
0
```

```
dtype: int64
```

```
youth['what extra reuirements you wish to have in your mobile apps.']
```

```
0
```

```
Long last
```

```
1
```

```
NaN
```

```
2
```

```
Without writing and without speaking our app c...
```

```
3
```

```
Security and privacy that no one can hack my p...
```

```
4
```

```
NaN
```

```
5
```

```
NaN
```

```
6
```

```
Picture quality
```

```
7
```

```
NaN
```

```
8
```

```
Virtual reality
```

```
9
```

```
NaN
```

```
10
```

```
Location of every person
```

```

11                                     NaN
12                                     Nothing
13                                     NaN
14      A time when phone can not be accessed because ...
15                                     Run Speed should be high
16                                     NaN
17                                     Robotech
18                                     Many
19      Speed & updation   of new technology
20                                     NaN
Name: what extra reuirements you wish to have in your mobile apps.,
dtype: object

```

```

values={"what extra reuirements you wish to have in your mobile
apps.":"prefer not to say"}

```

```

youth.fillna(value=values)

```

	Timestamp	Username \
0	2022/01/26 3:24:04 PM GMT+5:30	19cse047@gweca.ac.in
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2	2022/01/26 3:46:51 PM GMT+5:30	bhadouriyaeshika@gmail.com
3	2022/01/26 3:48:37 PM GMT+5:30	anushka81020@gmail.com
4	2022/01/26 3:50:02 PM GMT+5:30	jayanayak210@gmail.com
5	2022/01/26 3:56:32 PM GMT+5:30	Smilinggarima9@gmail.com
6	2022/01/26 4:03:30 PM GMT+5:30	ds6817457@gmail.com
7	2022/01/26 4:05:46 PM GMT+5:30	mahika.kakani@gmail.com
8	2022/01/26 4:24:08 PM GMT+5:30	kritikachordial@gmail.com
9	2022/01/26 4:32:49 PM GMT+5:30	sudarshansen087@Gmail.com
10	2022/01/26 5:02:13 PM GMT+5:30	sushriyarampi@gmail.com
11	2022/01/26 6:11:32 PM GMT+5:30	avanisharma1009@gmail.com
12	2022/01/26 7:02:07 PM GMT+5:30	mmeena8261@gmail.com
13	2022/01/26 7:41:33 PM GMT+5:30	istutisinghal02@gmail.com
14	2022/01/26 7:45:06 PM GMT+5:30	kratijain2004@gmail.com
15	2022/01/26 7:50:30 PM GMT+5:30	2002jahanvisaini@gmail.com
16	2022/01/26 8:24:25 PM GMT+5:30	20cse054@gweca.ac.in
17	2022/01/26 9:30:37 PM GMT+5:30	malav.malavika@gmail.com
18	2022/01/26 10:27:30 PM GMT+5:30	ishasharma111101@gmail.com
19	2022/01/26 10:34:34 PM GMT+5:30	lakshitashringi24@gmail.com
20	2022/01/27 9:50:47 AM GMT+5:30	gomstiwari@gmail.com

```

      which app would you prefer \
0                                     Youtube
1      Educational apps(classroom)
2                                     Youtube
3      books & references
4                                     Youtube
5      music apps
6      social media
7      Youtube
8      Youtube

```

9	social media
10	Youtube
11	social media
12	social media
13	music apps
14	Editor's choice apps
15	social media
16	news paper apps
17	Youtube
18	foodie apps
19	books & references
20	social media

Which app do you use the most?(favourite & frequently used app) \

0	You Tube
1	You tube
2	You tube
3	Youtube
4	YouTube
5	Whatapp
6	Instagram
7	YouTube
8	WhatsApp
9	Google pay
10	WhatsApp , Instagram , YouTube
11	Instagram, Snapchat , YouTube, Ajio
12	Instagram
13	Spotify
14	You tube
15	Instagram
16	Pinterest
17	Whatsapp
18	Instagram
19	WhatsApp
20	Instagram

most favourite social media app \

0	instagram
1	whatsapp
2	instagram
3	whatsapp
4	instagram
5	whatsapp
6	instagram
7	whatsapp
8	whatsapp
9	whatsapp
10	instagram
11	instagram
12	instagram

13	whatsapp
14	instagram
15	instagram
16	Gmail
17	whatsapp
18	instagram
19	Gmail
20	instagram

which feature is best in your favourite app \

0	working
1	own interest
2	working
3	working
4	own interest
5	own interest
6	working
7	working
8	Content
9	Instagram
10	own interest
11	own interest
12	own interest
13	working
14	own interest
15	own interest
16	own interest
17	own interest
18	working
19	working
20	working

which area will snatch your attention \

0	Arts and culture
1	Arts and culture
2	technology
3	science facts
4	technology
5	Arts and culture
6	Arts and culture
7	technology
8	science facts
9	Bussiness
10	Arts and culture
11	science facts
12	science facts
13	technology
14	Arts and culture
15	technology
16	technology

17	Arts and culture
18	technology
19	Arts and culture
20	Arts and culture

	what extra reuirements you wish to have in your mobile apps. \
0	Long last
1	prefer not to say
2	Without writing and without speaking our app c...
3	Security and privacy that no one can hack my p...
4	prefer not to say
5	prefer not to say
6	Picture quality
7	prefer not to say
8	Virtual reality
9	prefer not to say
10	Location of every person
11	prefer not to say
12	Nothing
13	prefer not to say
14	A time when phone can not be accessed because ...
15	Run Speed should be high
16	prefer not to say
17	Robotech
18	Many
19	Speed & updation of new technology
20	prefer not to say

How satisfied are you with the loading speed of your favourite mobile app? \

0	5
1	2
2	5
3	5
4	4
5	5
6	1
7	4
8	3
9	3

10	4
11	5
12	5
13	4
14	4
15	3
16	4
17	4
18	5
19	4
20	3

How would you rate the look and feel of your favourite mobile app? \

0	5
1	4
2	4
3	5
4	4
5	5
6	5
7	4
8	3
9	3
10	4

11	4
12	5
13	4
14	4
15	5
16	3
17	5
18	5
19	5
20	4

	which app was frustating ,which you ever installed. \
0	An video editorial app
1	Zoom
2	Facebook
3	Advertising apps means that any app that show ...
4	Telegram
5	Nothing
6	Youtube
7	Many games don't work well.
8	Not any , i enjoyed all
9	LUDO
10	Gamings
11	File reader
12	Pikashow
13	Retrica
14	Pdf scanner
15	Games app
16	Instagram
17	Cake
18	Discord
19	Instagram
20	Facebook

	what was annoying in that particular app
0	working
1	working
2	too many ads
3	too many ads

```

4          too many ads
5          working
6          interface
7          working
8          too many ads
9          working
10         too many ads
11         too many ads
12         working
13         working
14         working
15         too many notifications
16         too many notifications
17         too many ads
18         too many notifications
19         interface
20         working

```

Question 2) check what are the different types of favourite apps there in the dataset and what is the count of each favourite app in the data

```

youth['most favourite social media app'].unique()
array(['instagram', 'whatsapp', 'Gmail'], dtype=object)
youth['most favourite social media app'].value_counts()
instagram      11
whatsapp        8
Gmail           2
Name: most favourite social media app, dtype: int64

```

Question 3) Show the records where YouTube is the most preferred app of the youth and also print the count

```

youth['which app would you prefer'].isin(['Youtube'])
0      True
1     False
2      True
3     False
4      True
5     False
6     False
7      True
8      True
9     False
10     True

```

```

11    False
12    False
13    False
14    False
15    False
16    False
17     True
18    False
19    False
20    False

```

Name: which app would you prefer, dtype: bool

```
youth['which app would you prefer'].isin(['Youtube']).value_counts()
```

```

False    14
True      7

```

Name: which app would you prefer, dtype: int64

youth

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8	2022/01/26 4:24:08 PM GMT+5:30	kritikachordial@gmail.com
9	2022/01/26 4:32:49 PM GMT+5:30	sudarshansen087@Gmail.com
10	2022/01/26 5:02:13 PM GMT+5:30	sushriyarampi@gmail.com
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12	2022/01/26 7:02:07 PM GMT+5:30	mmeena8261@gmail.com
13	2022/01/26 7:41:33 PM GMT+5:30	istutisinghal02@gmail.com
14	2022/01/26 7:45:06 PM GMT+5:30	kratijain2004@gmail.com
15	2022/01/26 7:50:30 PM GMT+5:30	2002jahanvisaini@gmail.com
16	2022/01/26 8:24:25 PM GMT+5:30	20cse054@gweca.ac.in
17	2022/01/26 9:30:37 PM GMT+5:30	malav.malavika@gmail.com
18	2022/01/26 10:27:30 PM GMT+5:30	ishasharma111101@gmail.com
19	2022/01/26 10:34:34 PM GMT+5:30	lakshitashringi24@gmail.com
20	2022/01/27 9:50:47 AM GMT+5:30	gomstiwari@gmail.com

	which app would you prefer \
0	Youtube
1	Educational apps(classroom)
2	Youtube
3	books & references
4	Youtube
5	music apps
6	social media

7	Youtube
8	Youtube
9	social media
10	Youtube
11	social media
12	social media
13	music apps
14	Editor's choice apps
15	social media
16	news paper apps
17	Youtube
18	foodie apps
19	books & references
20	social media

Which app do you use the most?(favourite & frequently used app) \

0	You Tube
1	You tube
2	You tube
3	Youtube
4	YouTube
5	Whatapp
6	Instagram
7	YouTube
8	WhatsApp
9	Google pay
10	WhatsApp , Instagram , YouTube
11	Instagram, Snapchat , YouTube, Ajio
12	Instagram
13	Spotify
14	You tube
15	Instagram
16	Pinterest
17	Whatsapp
18	Instagram
19	WhatsApp
20	Instagram

most favourite social media app \

0	instagram
1	whatsapp
2	instagram
3	whatsapp
4	instagram
5	whatsapp
6	instagram
7	whatsapp
8	whatsapp
9	whatsapp
10	instagram

11	instagram
12	instagram
13	whatsapp
14	instagram
15	instagram
16	Gmail
17	whatsapp
18	instagram
19	Gmail
20	instagram

which feature is best in your favourite app \

0	working
1	own interest
2	working
3	working
4	own interest
5	own interest
6	working
7	working
8	Content
9	Instagram
10	own interest
11	own interest
12	own interest
13	working
14	own interest
15	own interest
16	own interest
17	own interest
18	working
19	working
20	working

which area will snatch your attention \

0	Arts and culture
1	Arts and culture
2	technology
3	science facts
4	technology
5	Arts and culture
6	Arts and culture
7	technology
8	science facts
9	Bussiness
10	Arts and culture
11	science facts
12	science facts
13	technology
14	Arts and culture

15	technology
16	technology
17	Arts and culture
18	technology
19	Arts and culture
20	Arts and culture

	what extra reuirements you wish to have in your mobile apps. \
0	Long last
1	NaN
2	Without writing and without speaking our app c...
3	Security and privacy that no one can hack my p...
4	NaN
5	NaN
6	Picture quality
7	NaN
8	Virtual reality
9	NaN
10	Location of every person
11	NaN
12	Nothing
13	NaN
14	A time when phone can not be accessed because ...
15	Run Speed should be high
16	NaN
17	Robotech
18	Many
19	Speed & updation of new technology
20	NaN

How satisfied are you with the loading speed of your favourite mobile app? \

0	5
1	2
2	5
3	5
4	4
5	5
6	1
7	4
8	3

9	3
10	4
11	5
12	5
13	4
14	4
15	3
16	4
17	4
18	5
19	4
20	3

How would you rate the look and feel of your favourite mobile app? \

0	5
1	4
2	4
3	5
4	4
5	5
6	5
7	4
8	3
9	3

10	4
11	4
12	5
13	4
14	4
15	5
16	3
17	5
18	5
19	5
20	4

	which app was frustating ,which you ever installed.	\
0	An video editorial app	
1	Zoom	
2	Facebook	
3	Advertising apps means that any app that show ...	
4	Telegram	
5	Nothing	
6	Youtube	
7	Many games don't work well.	
8	Not any , i enjoyed all	
9	LUDO	
10	Gamings	
11	File reader	
12	Pikashow	
13	Retrica	
14	Pdf scanner	
15	Games app	
16	Instagram	
17	Cake	
18	Discord	
19	Instagram	
20	Facebook	

	what was annoying in that particular app
0	working
1	working

2	too many ads
3	too many ads
4	too many ads
5	working
6	interface
7	working
8	too many ads
9	working
10	too many ads
11	too many ads
12	working
13	working
14	working
15	too many notifications
16	too many notifications
17	too many ads
18	too many notifications
19	interface
20	working

Question 4) show relation between youth's satisfaction for loading speed vs look & feel using matplotlib directory

```
x = youth['How satisfied are you with the loading speed of your
favourite mobile app?'].tolist()

print(x)

[5, 2, 5, 5, 4, 5, 1, 4, 3, 3, 4, 5, 5, 4, 4, 3, 4, 4, 5, 4, 3]

y= youth['How would you rate the look and feel of your favourite
mobile app?'].tolist()

print(y)

[5, 4, 4, 5, 4, 5, 5, 4, 3, 3, 4, 4, 5, 4, 4, 5, 3, 5, 5, 5, 4]

%matplotlib inline
from matplotlib import pyplot as plt

plt.scatter(x,y)
plt.title("speed satisfaction vs look & feel satisfaction")
plt.ylabel("loading speed")
plt.xlabel("look & feel")
plt.show()
```

