

```
In [1]: %matplotlib inline
import pandas as pd
import numpy as np
```

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In [2]: df = pd.read_csv("survey.csv")
df.head()
```

Out [2]:

	Timestamp	What is your biological gender?	How important is sexual assault awareness to you?	How aware are you with your college's effort in spreading sexual assault awareness?	Without looking it up, are you able to name your school's resource for sexual violence? (N/A if you don't know, it's okay not to know. Sometimes school's don't advocate it enough)	How important was the college's safety reputation when deciding where you wanted to attend?	What activities make you feel unsafe? (Groceries, walking home at night, traveling alone, etc)	What factor(s) about the activity you listed above make you feel unsafe?
0	5/2/2022 12:01:43	Female	5	1	NaN	1	Groceries, walking home, anything	Me
1	5/2/2022 12:20:36	Female	5	2	NaN	4	Getting gas at night, walking to my car at nig...	TI beir alone ar an ea: targ
2	5/2/2022 12:20:45	Female	5	3	Health Services	2	walking outside at night.	very litt fo traff arour
3	5/2/2022 12:38:15	Female	5	2	NaN	4	Groceries, walking home at night, traveling alone	not beir in group peop that c: help m
4	5/2/2022 12:42:56	Female	5	3	NaN	4	Walking outside at night, traveling alone, goi...	Being o alon

```
In [3]: Corr1 = pd.crosstab(df["Would you feel safer if your college provided a dedic
Corr1
```

```
Out[3]:
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	What is your biological gender?		
	Female	Male	
Would you feel safer if your college provided a dedicated safety app to bring awareness to and combat sexual violence?			
	Maybe	3	0
	Yes	8	1

```
In [4]: Corr2 = pd.crosstab(df["How aware are you with your college's effort in spread
Corr2
```

```
Out[4]:
```

	How important is sexual assault awareness to you?		
	4	5	
How aware are you with your college's effort in spreading sexual assault awareness?			
	1	1	1
	2	1	3
	3	1	5

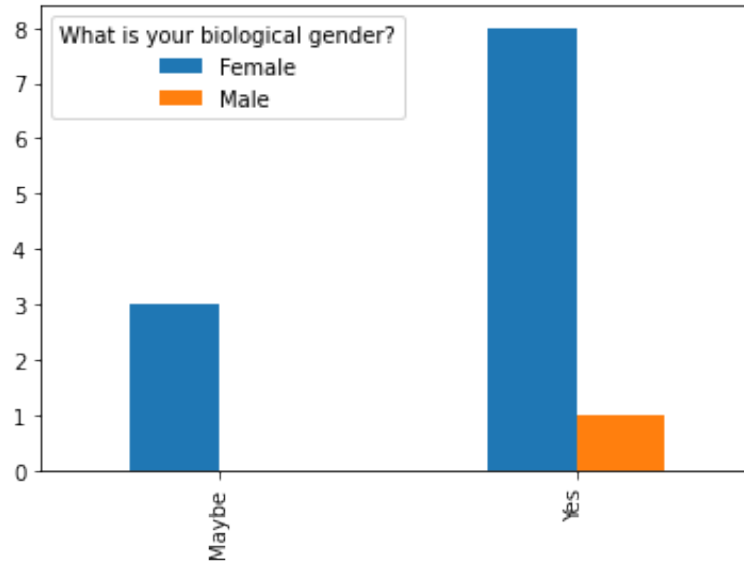
```
In [5]: Corr3 = pd.crosstab(df["How aware are you with your college's effort in spread
Corr3
```

```
Out[5]:
```

	Would you feel safer if your college provided a dedicated safety app to bring awareness to and combat sexual violence?		
	Maybe	Yes	
How aware are you with your college's effort in spreading sexual assault awareness?			
	1	0	2
	2	2	2
	3	1	5

```
In [6]: Corr1.plot.bar()
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Out[6]: <AxesSubplot:xlabel='Would you feel safer if your college provided a dedicated safety app to bring awareness to and combat sexual violence?'
```

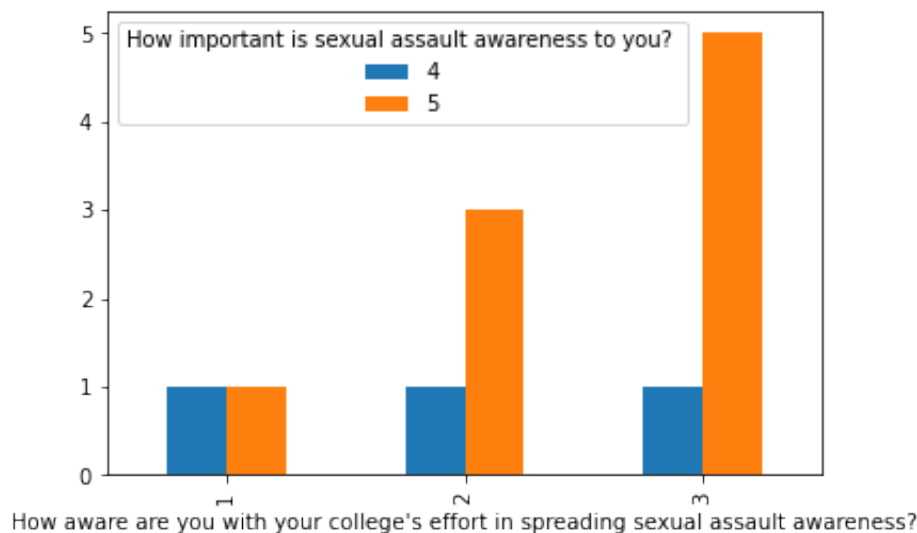


Would you feel safer if your college provided a dedicated safety app to bring awareness to and combat sexual violence?

This shows that both male and female students show an interest in an application that can keep them safe.

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In [7]: Corr2.plot.bar()
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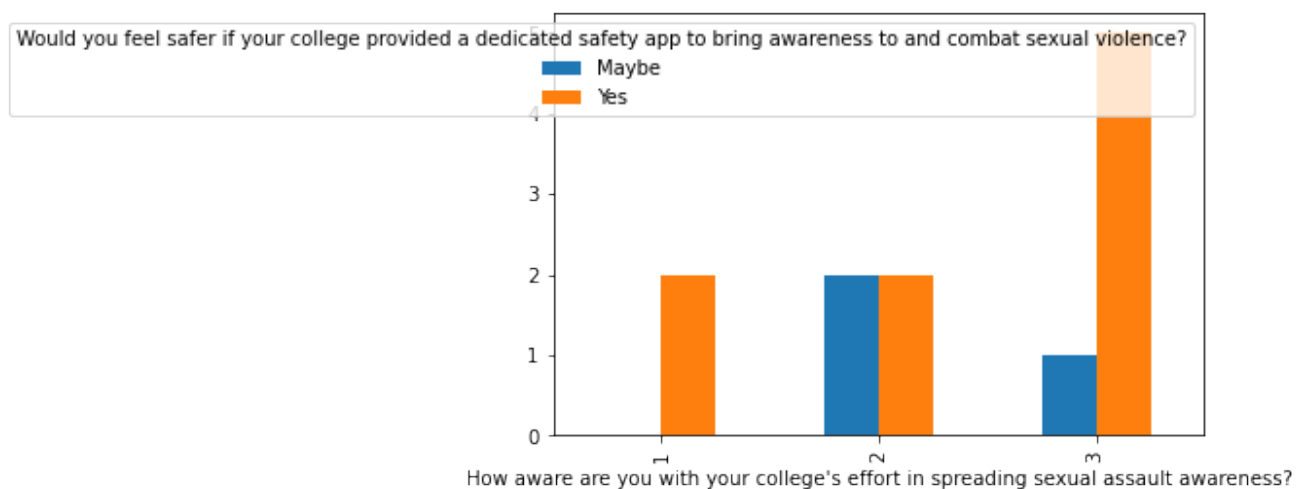
```
Out[7]: <AxesSubplot:xlabel='How aware are you with your college's effort in spreading sexual assault awareness?'
```



All students said that sexual assault awareness is important to them, but yet most of them were not really aware of the college's efforts in spreading sexual awareness and some were somewhat aware. 100% of students said that sexual assault awareness was significant to them (4 or 5 on the scale response). Most students said they were not that aware (1 or 2 on the scale response), which was 46% and 54% of students responded that they were somewhat aware (3 on the scale response). This shows that the college has to have better ways to spread awareness of and prevent sexual assault especially since, as you can see, it is significant to the students.

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In [8]: Corr3.plot.bar()
```

```
Out[8]: <AxesSubplot:xlabel='How aware are you with your college's effort in spreading sexual assault awareness?'>
```



Most people said they would feel safer if their college provided a dedicated safety app to bring awareness and combat sexual assault violence. That is 77% of people who said yes and 23% of people who said maybe and 0% who said no. And of all those people, no students were very well aware of their college's effort in spreading sexual assault awareness. Most students said they were not that aware (1 or 2 on the scale response), which was 46% and 54% of students responded that they were somewhat aware (3 on the scale response). This shows that students would like an application to help them stay safe especially while being on campus, but they feel like that the college is not spreading enough awareness about sexual assault and the resources they have to prevent it. This shows the need for an application to help students stay safe.