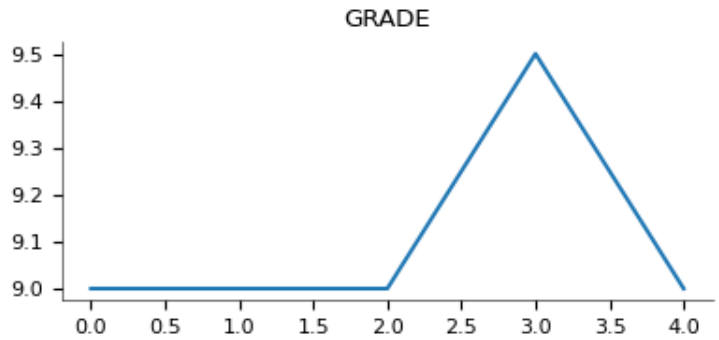
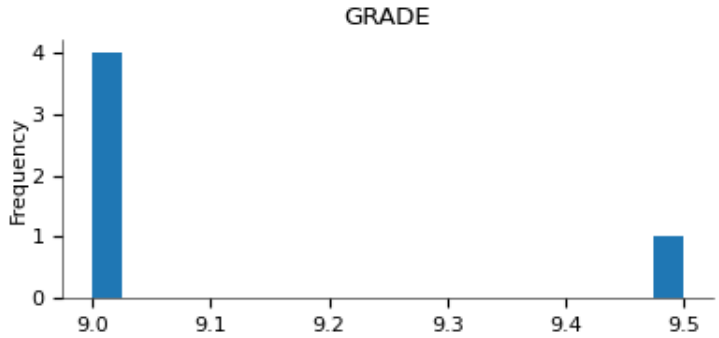
```
import pandas as pd
import numpy as np


df=pd.read_csv("/content/Book1.csv")
df.head()
```

	ID NO	FIRSTNAME	LASTNAME	GENDER	GRADE
0	21BCE8905	HARITHA	PINNIKA	FEMALE	9.0
1	21BCE8943	VEEKSHITHA	NARAGANI	FEMALE	9.0
2	21BCE8514	TEJASWINI	MANCHINELLA	FEMALE	9.0
3	21BCE8908	VINAY	PINNIKA	MALE	9.5
4	21BCE8488	SRUTHI	PINNIKA	FEMALE	9.0

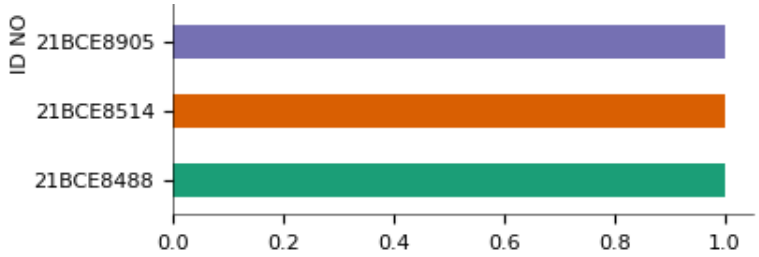
Values

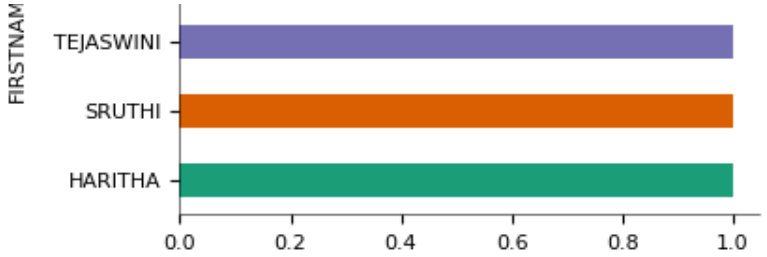


Distributions



Categorical distributions


ID NO
21BCE8905
21BCE8514
21BCE8488
0.0
0.2
0.4
0.6
0.8
1.0


FIRSTNAM
TEJASWINI
SRUTHI
HARITHA
0.0
0.2
0.4
0.6
0.8
1.0

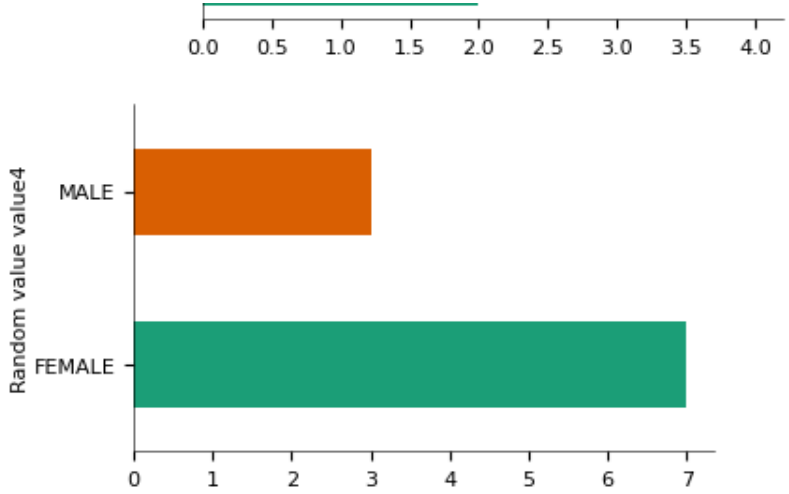

IE
PINNIKA


MALE

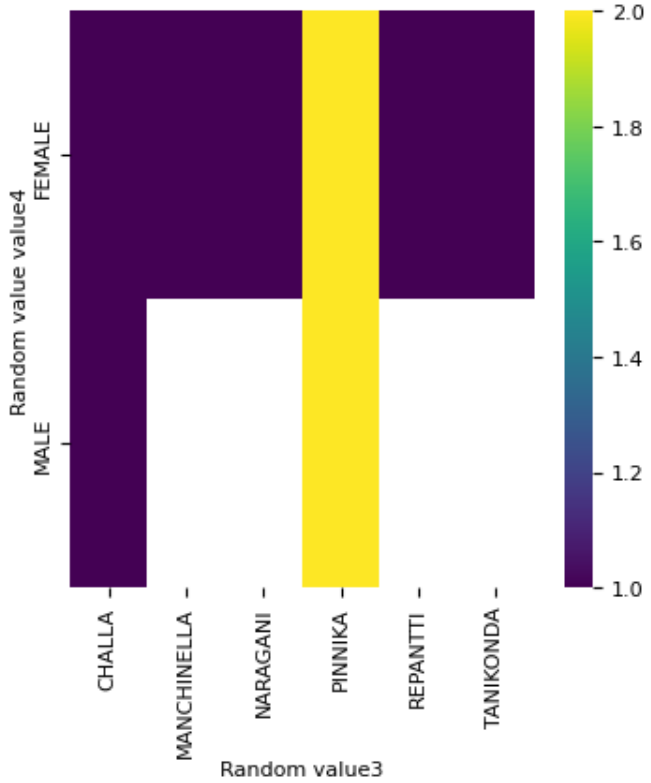
```
df.columns
```

```
Index(['ID NO', 'FIRSTNAME', 'LASTNAME', 'GENDER', 'GRADE'], dtype='object')
```

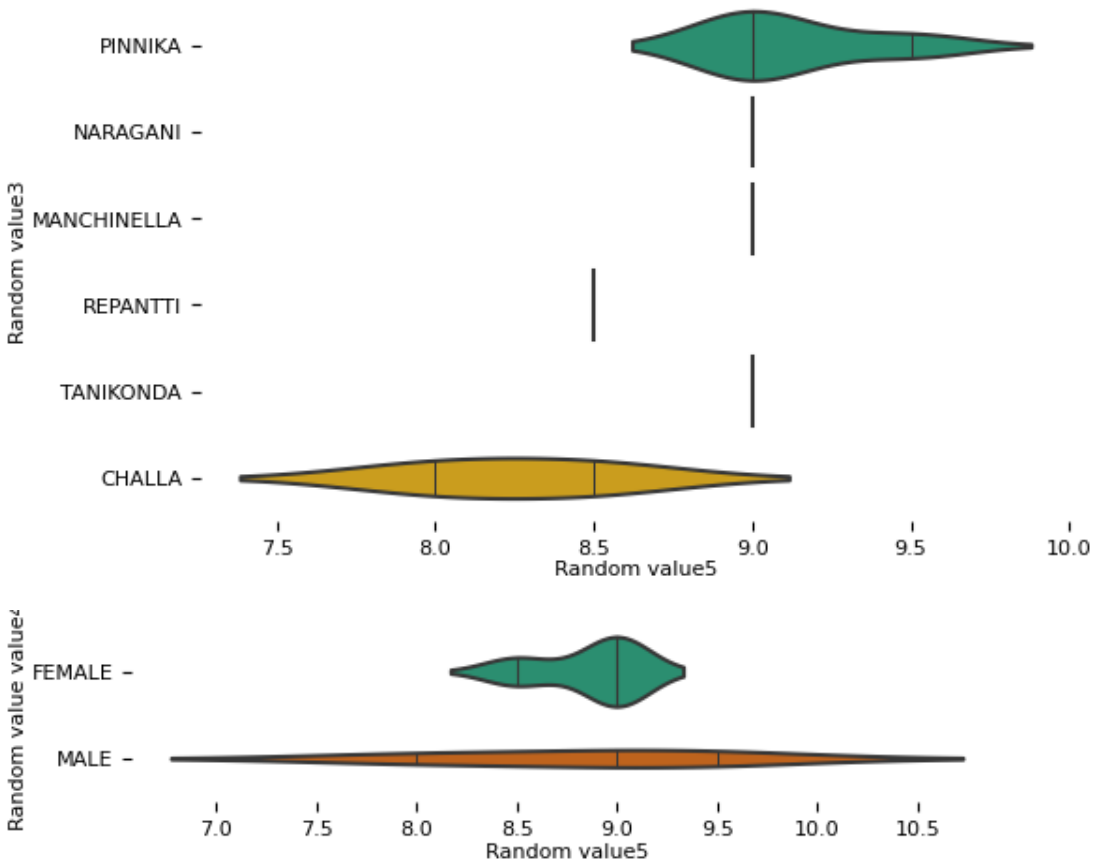
```
df.rename(columns={'ID NO':'Random value1','FIRSTNAME':'Random value2','LASTNAME':'Random value3','GENDER':'Random value value4','GRADE':'Rand
```



2-d categorical distributions



Faceted distributions


PINNIKA
NARAGANI
MANCHINELLA
REPANTTI
TANIKONDA
CHALLA
Random value3
7.5
8.0
8.5
9.0
9.5
10.0
Random value5
FEMALE
MALE
Random value value4
7.0
7.5
8.0
8.5
9.0
9.5
10.0
10.5
Random value5

```
df.describe()
```