

30538 Problem Set 3: git pair

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```
import pandas as pd
import numpy as np
import altair as alt

np.random.seed(42)
data = pd.DataFrame(np.random.rand(100), columns=['Random Numbers'])

def preview_data(df):
    head = df.head()

    description = df.describe()

    histogram = alt.Chart(df).mark_bar().encode(
        x=alt.X('Random Numbers', bin=True),
        y='count()'
    ).properties(
        title='Histogram of Random Numbers'
    )

    return [head, head, histogram]

output = preview_data(data)

print("Data Head:\n", output[0], "\n")

print("Descriptive Statistics:\n", output[1], "\n")

output[2]
```

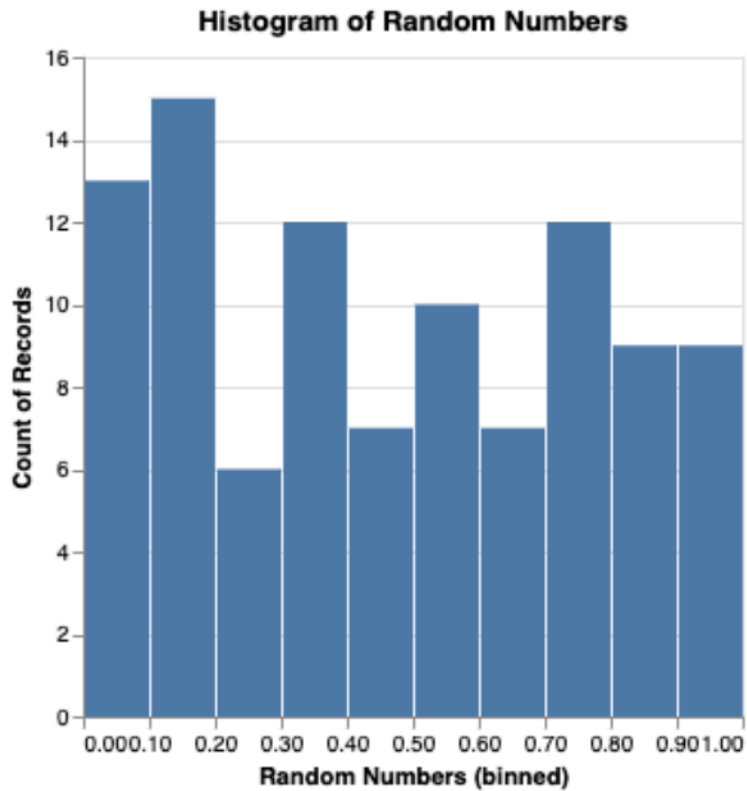
Data Head:

	Random Numbers
0	0.374540
1	0.950714
2	0.731994
3	0.598658
4	0.156019

Descriptive Statistics:

	Random Numbers
0	0.374540
1	0.950714
2	0.731994
3	0.598658
4	0.156019

alt.Chart(...)



Commit history: 882870d - Summer99D, 6 minutes ago : we accepted both changes

0a601c9 - Summer99D, 7 minutes ago : merging changes

e0968a4 - datapolicypython, 13 minutes ago : histogram
1f90997 - Summer99D, 36 minutes ago : Merge pull request #3 from datapolicypython/describe
511525e - Summer99D, 42 minutes ago : I modified the function
7c7ae69 - Summer99D, 51 minutes ago : we accepted partner(Jenny's) changes
35e4725 - Summer99D, 67 minutes ago : Merge pull request #1 from datapolicypython/merge_conflict_jenny
e3c98fe - datapolicypython, 68 minutes ago : name change
0326c90 - Summer99D, 68 minutes ago : changing my name
45213be - datapolicypython, 73 minutes ago : QMD file