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:

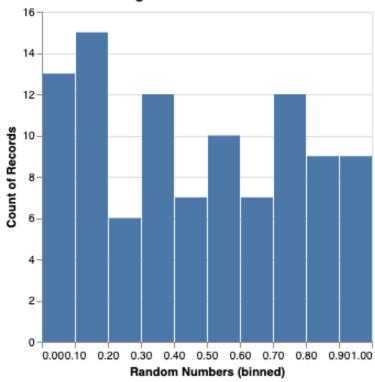
	Random	Numbers
0	0.	.374540
1	0.	950714
2	0.	731994
3	0.	.598658
4	0.	. 156019

Descriptive Statistics:

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

alt.Chart(...)

Histogram of Random Numbers



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 - Summer 99D, 36 minutes ago: Merge pull request #3 from datapolicypython/describe

 $511525\mathrm{e}$ - Summer 99D, 42 minutes ago : I modified the function

7c7ae69 - Summer99D, 51 minutes ago : we accepted partner(Jenny's) changes

 $35\mathrm{e}4725$ - Summer99D, 67 minutes ago : Merge pull request #1 from datapolicypython/merge_conflict_jenny

e3c98fe - datapolicypython, 68 minutes ago: name change

 $0326\mathrm{c}90$ - Summer99D, 68 minutes ago : changing my name

 $45213\mathrm{be}$ - data policypython, 73 minutes ago : QMD file