

```
import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
import warnings
warnings.filterwarnings('ignore')
```

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```
from google.colab import drive
drive.mount('/content/drive')
```

Mounted at /content/drive

```
data_path='/content/drive/My Drive/social-network-ads.csv'
```

```
data=pd.read_csv(data_path)
data
```

1 to 2 of 2 entries (filtered from 400 rows × 3 columns)

index	Age	EstimatedSalary
10	26	80000
15	29	80000

Show per page

Like what you see? Visit the [data table notebook](#) to learn more about interactive table

WARNING: Runtime no longer has a reference to this dataframe, please

Next steps:

Generate code with

data

recommended

New interactive sheet

Generate

Using dataframe: data

suggest a plot

Close

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Generate

Using dataframe: data

suggest a plot

Close

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Generate

Using dataframe: data

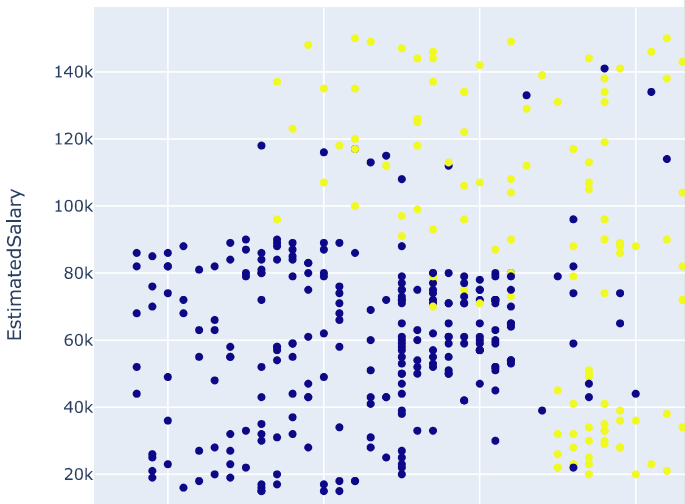
plotly

Close

< 1 of 1 > [Use code with caution](#)

prompt: Using dataframe data: plotly

```
import plotly.express as px
fig = px.scatter(data, x="Age", y="EstimatedSalary", color="Purchased")
fig.show()
```



Resources

app.log

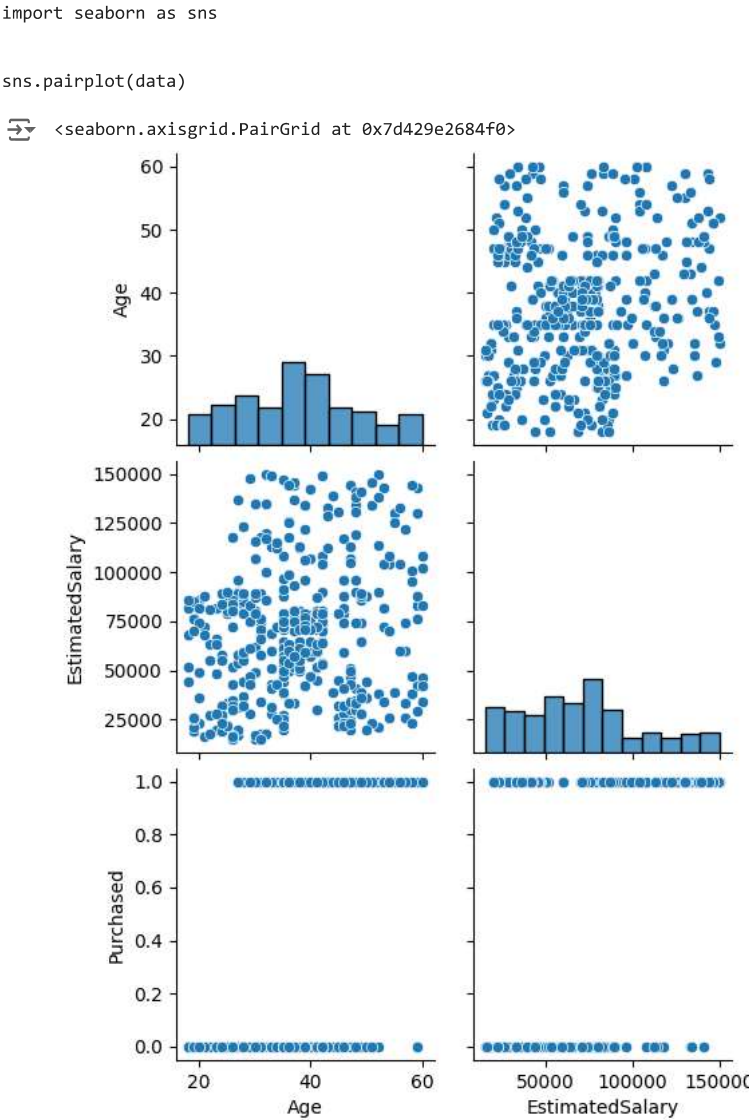
Cell

```
data=pd.read_csv(data_path)
data
```

	Age	EstimatedSalary	Purchased	
0	19	19000	0	
1	35	20000	0	
2	26	43000	0	
3	27	57000	0	
4	19	76000	0	
...	
395	46	41000	1	
396	51	23000	1	
397	50	20000	1	
398	36	33000	0	
399	49	36000	1	

400 rows × 3 columns

WARNING: Runtime no longer has a reference to this dataframe,



data

	Age	EstimatedSalary	Purchased
0	19	19000	0
1	35	20000	0
2	26	43000	0
3	27	57000	0
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396	51	23000	1
397	50	20000	1
398	36	33000	0
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400 rows × 3 columns

Next steps:

Generate code with data

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data

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400 rows × 3 columns

Next steps:

Generate code with data

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NameError

Traceback (most recent call last):

<ipython-input-7-1b9e21a1ce55> in <cell line: 1>()
----> 1 index, Age, EstimatedSalary, Purchased
2 10, 26, 80000, 0
3 15, 29, 80000, 0

NameError: name 'index' is not defined

Next steps:

Explain error

data[['EstimatedSalary', 'Purchased']].corrwith(data['Age'])

EstimatedSalary	0.15
Purchased	0.62

dtype: float64

data.groupby('Purchased')['Age'].mean()

	Age
Purchased	
0	32.793774
1	46.391608

dtype: float64

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data.groupby('data[['EstimatedSalary', 'Purchased']])

