Microsoft Pivot Table in Pythons

Pivot tables are a powerful way to summarize data. Traditionally this required Excel, but now pivot tables can be created directly in Python using the pivottablejs library.

pivottablejs generates JavaScript pivot tables that you can display in Jupyter notebooks or embed in web dashboards. In this post, I'll demonstrate how to quickly make interactive pivot tables using Python.

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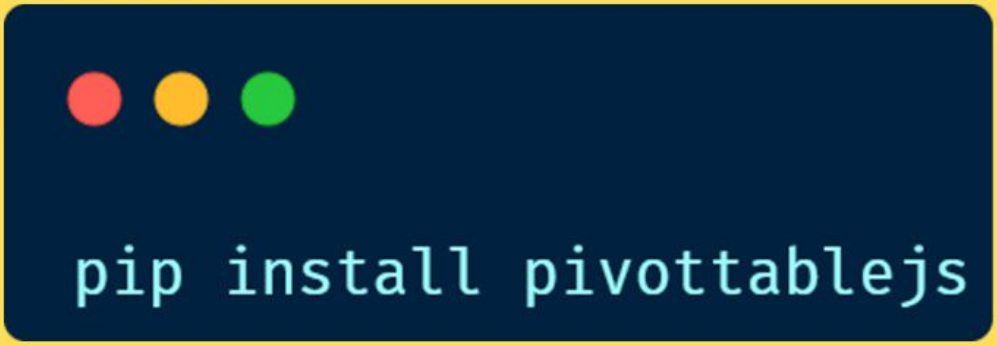
Installing pivottablejs

First install pivottablejs:



This provides access to the Python wrapper around the underlying JavaScript library.

Creating a Pivot Table

Import pivottablejs and load a DataFrame:

```
import pandas as pd
from pivottablejs import pivot_ui

df = pd.read_csv("data.csv")
```

Then display the pivot UI widget:

```
codepivot_ui(df)
```

This opens an interactive pivot table that lets you drag columns, filter data, and more!

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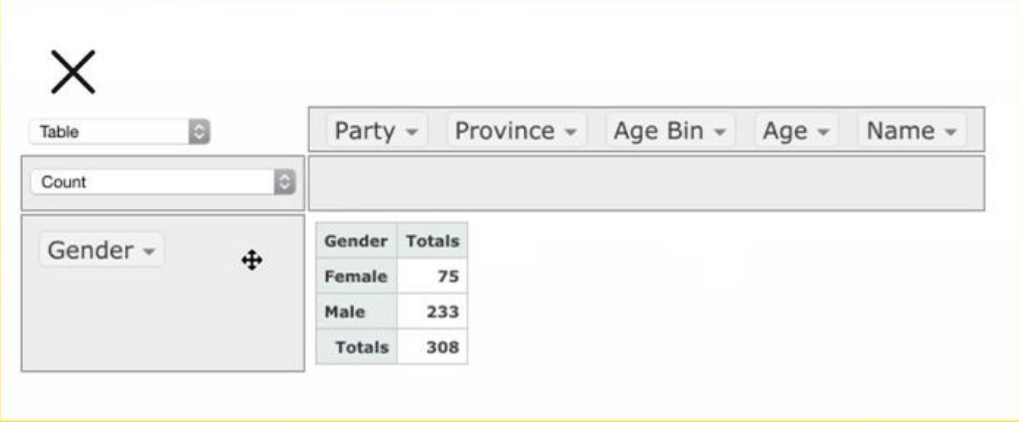
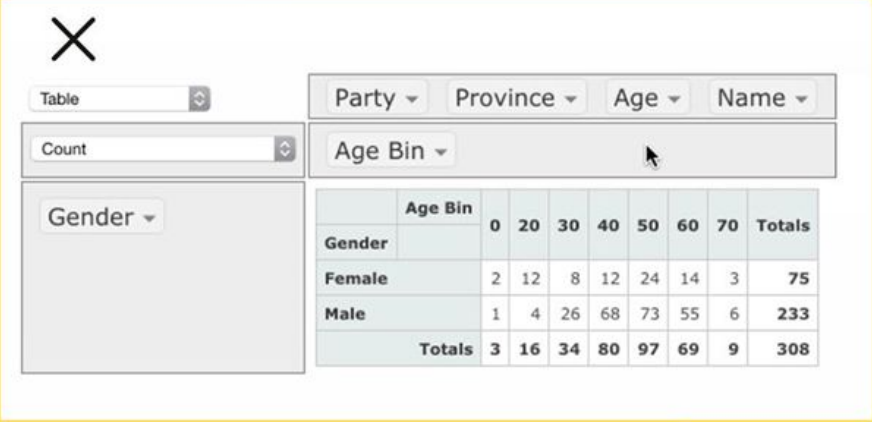
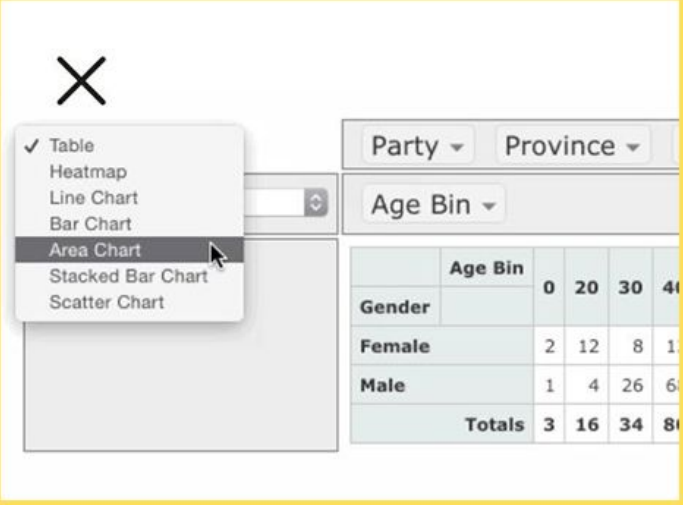
Customizing the Pivot Table







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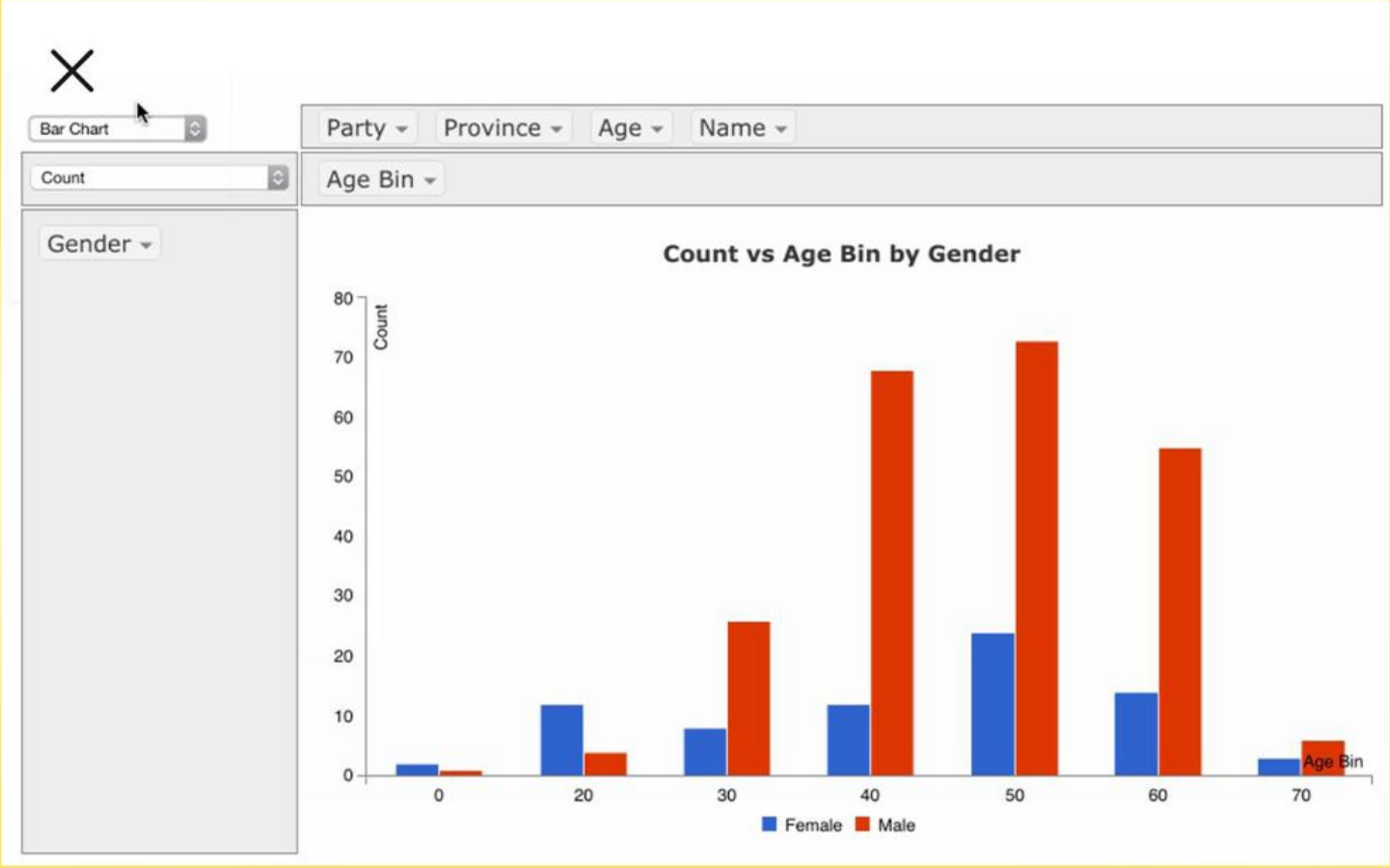
Bar Chart
Count
Party
Province
Age
Name
Age Bin
Gender
Count vs Age Bin by Gender
Count
80
70
60
50
40
30
20
10
0
0
20
30
40
50
60
70
Age Bin
Female
Male

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That's all it takes to enable powerful interactive pivot tables directly in your Python environment using pivottablejs.

Give it a try on your next data project!

Let me know if you need any clarification or have additional sections you would like me to cover.

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