

Xi Li [28/03/2025, 09:11:30]:

I want a pie chart showing car sales in Hong Kong. I have 5 bands: BYD, sales = 848, Tesla, sales = 202, Zeekr, sales = 195, BMW, sales = 144, MG, sales = 92. Show me python code

---

GPT-4o [28/03/2025, 09:11:34]:

Sure! Below is the Python code to generate a pie chart using the given car sales data. You can use libraries such as matplotlib to create the pie chart.

```
import matplotlib.pyplot as plt

# Data for the pie chart
brands = ['BYD', 'Tesla', 'Zeekr', 'BMW', 'MG']
sales = [848, 202, 195, 144, 92]

# Create the pie chart
plt.figure(figsize=(8, 8))
plt.pie(sales, labels=brands, autopct='%1.1f%%', startangle=140)
plt.title('Car Sales in Hong Kong')
plt.show()
```

To run this code, make sure you have matplotlib installed. If you don't have it installed, you can install it using pip:

```
pip install matplotlib
```

This code will display a pie chart that shows the percentage distribution of car sales among the five brands in Hong Kong.

---

Xi Li [28/03/2025, 09:12:18]:

Can you make the chart interactive?

---

GPT-4o [28/03/2025, 09:12:21]:

Yes, you can use the plotly library to create an interactive pie chart. Below is the Python code to generate an interactive pie chart using Plotly:

```
import plotly.express as px
```

```
# Data for the pie chart
```

```
brands = ['BYD', 'Tesla', 'Zeekr', 'BMW', 'MG']
```

```
sales = [848, 202, 195, 144, 92]
```

```
# Create a DataFrame
```

```
import pandas as pd
```

```
data = pd.DataFrame({'Brand': brands, 'Sales': sales})
```

```
# Create the interactive pie chart
```

```
fig = px.pie(data, names='Brand', values='Sales', title='Car Sales in Hong Kong')
```

```
# Show the chart
```

```
fig.show()
```

To run this code, make sure you have plotly installed. If you don't have it installed, you can install it using pip:

```
pip install plotly pandas
```

This code will display an interactive pie chart that shows the distribution of car sales among the five brands in Hong Kong. You can hover over the slices to see the exact values and percentages.

---