

```
1 # === battling_kings.ipynb ===
2
3
4 #%%
5 %matplotlib notebook
6 get_ipython().run_line_magic('matplotlib', 'notebook')
7
8
9 #%%
10 # Dependencies
11 import matplotlib.pyplot as plt
12 import numpy as np
13 import pandas as pd
14
15
16 #%%
17 # Read CSV
18 got_data = pd.read_csv("Resources/got.csv")
19 got_data
20
21
22 #%%
23 # Get attacker and defender data
24 attacker_data = got_data["attacker_king"].value_counts()
25 defender_data = got_data["defender_king"].value_counts()
26
27
28 #%%
29 # Get total battle data
30 battle_data = attacker_data.add(defender_data, fill_value=0)
31
32
33 #%%
34 # Configure plot and ticks
35 battle_data.plot(kind="bar", facecolor="red")
36
37
38 #%%
39 # Set textual properties
40 plt.title("The Bloodthirst of Kings")
41 plt.ylabel("Number of Battles Participated In")
42 plt.xlabel("King")
43
44
45 #%%
46 # Show plot
47 plt.show()
48
49
50 #%%
51 # Resize plot to display labels
52 plt.tight_layout()
```