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In [20]: %matplotlib inline
import pandas as pd
import seaborn as sns
import numpy as np
import matplotlib.pyplot as plt
df=pd.read_csv('/Users/sumedhajauhari/Downloads/Pokemon.csv')
df.head()
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Out[20]:
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	#	Name	Type 1	Type 2	Total	HP	Attack	Defense	Sp. Atk	Sp. Def	Speed	Generation	Legendary
0	1	Bulbasaur	Grass	Poison	318	45	49	49	65	65	45	1	False
1	2	Ivysaur	Grass	Poison	405	60	62	63	80	80	60	1	False
2	3	Venusaur	Grass	Poison	525	80	82	83	100	100	80	1	False
3	3	VenusaurMega Venusaur	Grass	Poison	625	80	100	123	122	120	80	1	False
4	4	Charmander	Fire	NaN	309	39	52	43	60	50	65	1	False

We want to show the 'HP', 'Attack', 'Defense', 'Sp. Atk', 'Sp. Def', 'Speed' as 6 different axes on our radar chart, so just take them out and set as a np.array. Here we are using 385th Pokemon as an example to illustrate the chart.

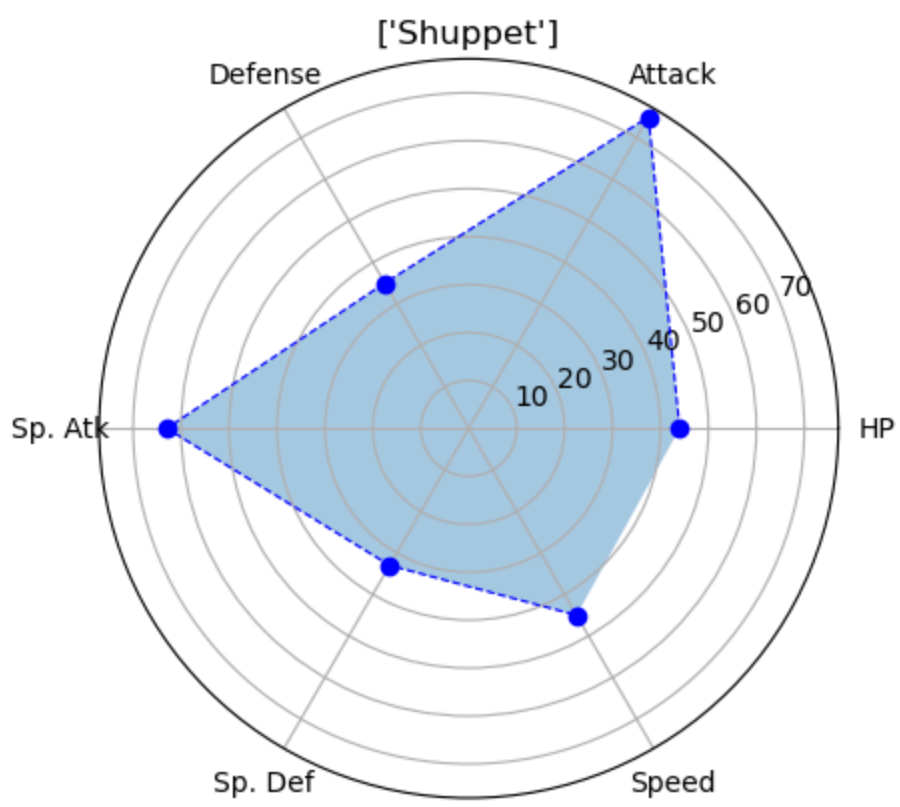
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In [39]: labels=np.array(['HP', 'Attack', 'Defense', 'Sp. Atk', 'Sp. Def', 'Speed'])
stats=df.loc[385,labels].values
stats
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Out[39]: array([44, 75, 35, 63, 33, 45], dtype=object)
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In [67]: angles=np.linspace(0, 2*np.pi, len(labels), endpoint=False)
angles
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Out[67]: array([0.          , 1.04719755, 2.0943951 , 3.14159265, 4.1887902 ,
        5.23598776])
```

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In [76]: fig=plt.figure()
ax = fig.add_subplot(111, polar=True)
ax.plot(angles, stats, 'bo--',linewidth=0.8)
ax.fill(angles, stats, alpha=0.4)
ax.set_thetagrids(angles * 180/np.pi, labels)
ax.set_title([df.loc[385,"Name"]])
ax.grid(True)
```



In [ ]: