Python Matplotlib

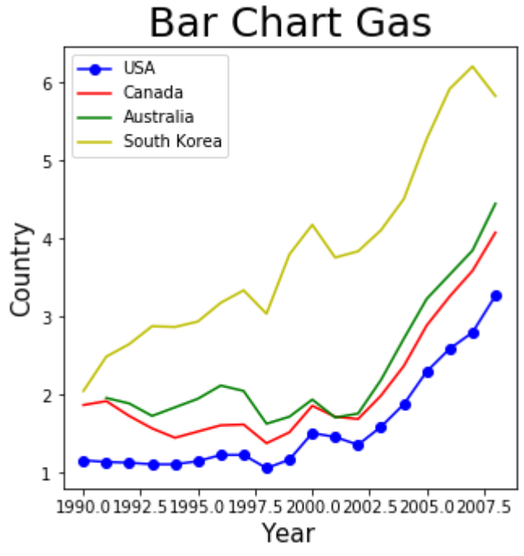
Load Necessary Libraries

In [2]:
```
import matplotlib.pyplot as mp
import numpy as np
import pandas as pd
```

Basic Graph

Line Graph

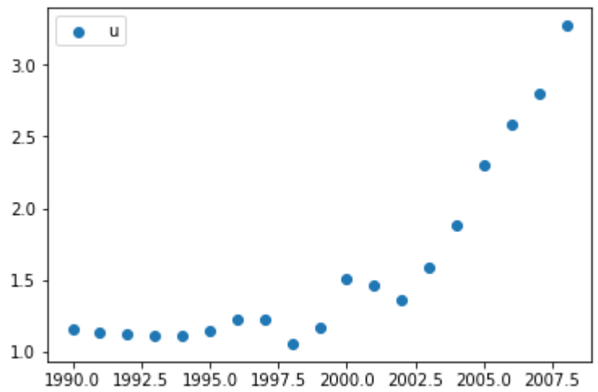
In [4]:
```
# Load gas_prices.csv file
gas_price = pd.read_csv("gas_prices.csv")
gas_price.head()

y=gas_price["Year"]
mp.figure(figsize=(5,5))
mp.title('Bar Chart Gas',color='black',size=25)
mp.xlabel('Year',size=15)
mp.ylabel('Country',size=15)

mp.plot(gas_price.Year,gas_price.USA,c='b',marker = "o",label='USA')
mp.plot(gas_price.Year,gas_price.Canada,c='r',label='Canada')
mp.plot(gas_price.Year,gas_price.Australia,c='g',label='Australia')
mp.plot(gas_price.Year,gas_price['South Korea'],c='y',label='South Korea')
mp.legend()

mp.show()
```



Scatter Plot

In [3]:
```
x=gas_price["Year"]
y=gas_price["USA"]
mp.scatter(x,y, label = "nxj")
mp.legend("upper left")
# Set X axis as Years
# Set Y axis Label as USA Prices
```

Out[3]: <matplotlib.legend.Legend at 0x2a8e2c76ba8>



Load fifa_data.csv

In [5]:
```
f = pd.read_csv("fifa_data.csv")
```

Histogram

In [7]:
```
x=f["Overall"]
y=[40,50,60,70,80,90,100]
mp.hist(x,y)
plt.xlabel('Skill Level')
plt.ylabel('number')
plt.title('distribution of player skills in fifa 2018')
mp.show()
```