

Prova 12-06

June 13, 2017

In [3]: *##EXERCICIO 1 PROVA!*

```
vet=[]
aux=0
i=0
while aux!=(49):
    if(i%2==0):
        vet.append(i)
        aux+=1
    i+=1
print(vet)
print(len(vet))
print ("A soma de todos os primeiros 49 pares é igual a "+str(sum(vet)))
```

[0, 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 38, 40, 42, 44, 46, 48, 49]

A soma de todos os primeiros 49 pares é igual a 2352

In [4]: *## EXERCICIO 2 PROVA*

```
from pandas import DataFrame, read_csv
import matplotlib.pyplot as plt
import pandas as pd
import matplotlib

local=r"jogadores.csv"
data=pd.read_csv(local)##transformando em dataframe

print("O número de colunas é: "+str(len(data.columns)))
idade='1990-08-04'
data[data['Data Nascimento']<idade]
```

O número de colunas é: 5

In [2]: *##EXERCICIO 3 PROVA*

```
import matplotlib.pyplot as plt
import pandas as pd
```

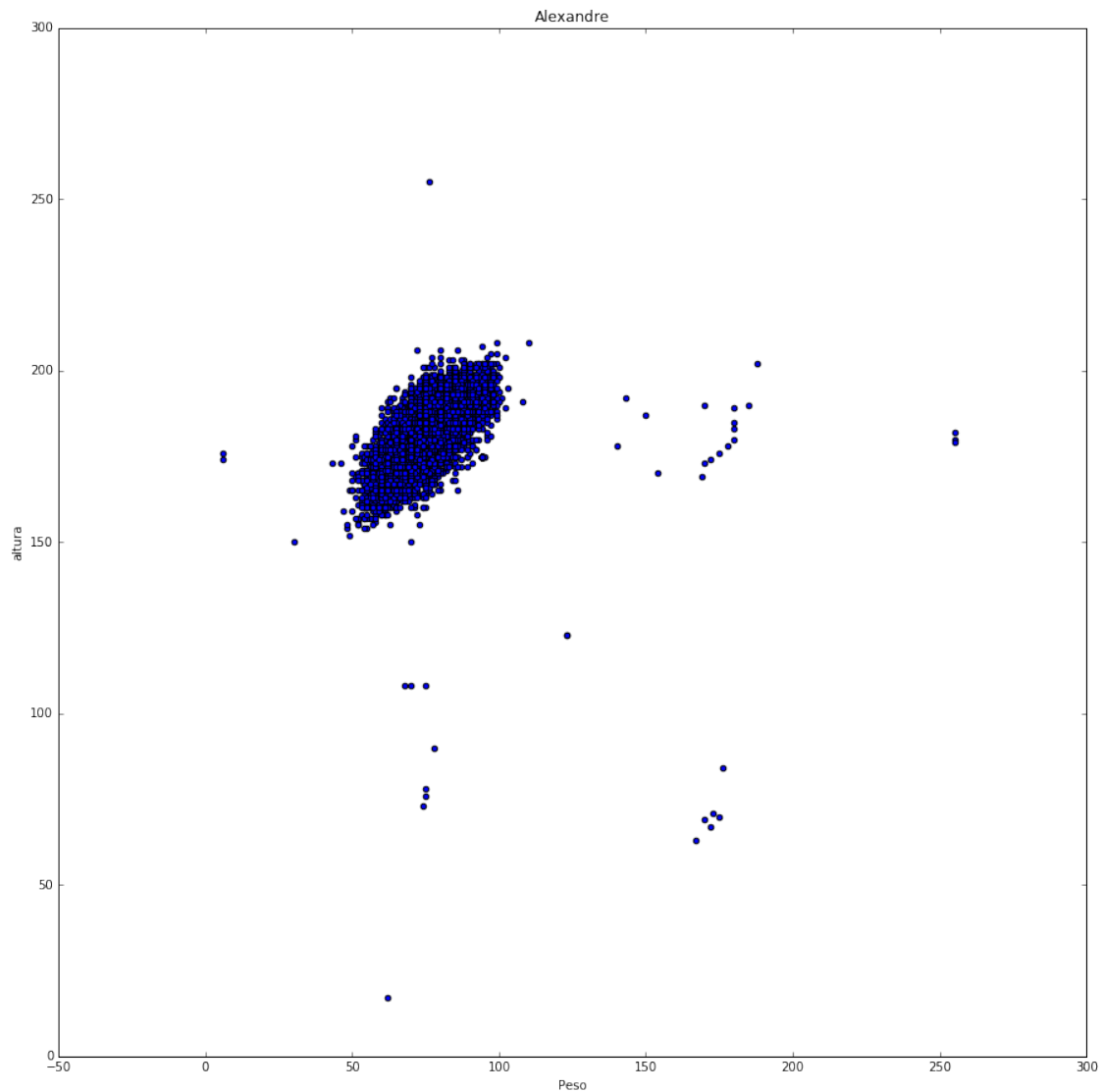
```

import datetime as date
arquivo = open('jogadores.csv', 'rb')
df = pd.read_csv(arquivo)
fig = plt.figure(figsize=(15,15))
ax = fig.gca()
df.plot(kind='scatter', x="Peso", y = "Altura", ax=ax, color='blue')
ax.set_title("Alexandre")
ax.set_xlabel("Peso")
ax.set_ylabel("altura")

```

Out[2]: <matplotlib.text.Text at 0x7f8195f1d310>

Out[2]:



In [0]: