## **Python library Pandas**

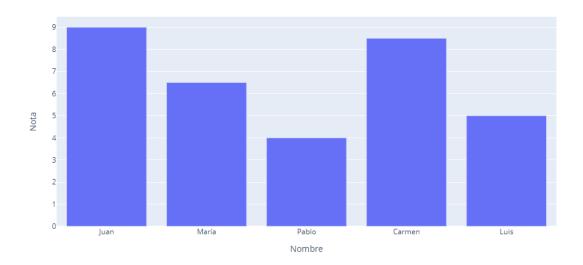
```
In [7]: 1 import pandas as pd
         6 df = pd.DataFrame(dades)
        7 print (df)
                 Dept DiesV
           Nom
        0 Sònia
                 PROD
          Laura ADMIN
                         55
        2 David MANT
                         20
           Rosa ADMIN
                         43
           Sam PROD
In [8]: 1 df[df["Nom"] == "Rosa"]
Out[8]:
          Nom Dept DiesV
        3 Rosa ADMIN 43
In [9]: 1 df["Nom"] == "Rosa"
Out[9]: 0
            False
            False
           False
            True
          False
       Name: Nom, dtype: bool
        Práctica P01
In [10]: 1 import pandas as pd
         3 notas = {'Juan':9.0,'María':6.5,'Pablo':4.0,'Carmen':8.5,'Luis':5.0}
         8 print(df)
        print("\nDatos estadísticos:\n")
print(df.describe())
          Nombre Nota
          Juan 9.0
María 6.5
       2 Pablo 4.0
3 Carmen 8.5
4 Luis 5.0
        Datos estadísticos:
                 Nota
        count 5.000000
        mean 6.600000
            2.162175
4.000000
        std
        min
        25%
              5.000000
       25%
50%
75%
max
              6.500000
             8.500000
```

9.000000

max

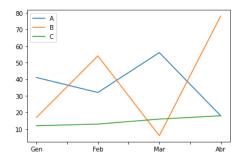
```
In [11]: 1 import plotly.express as px
2
3
4 fig = px.bar(df, x="Nombre", y="Nota", title="Gráfico de barras")
5 fig.show()
```

## Gráfico de barras

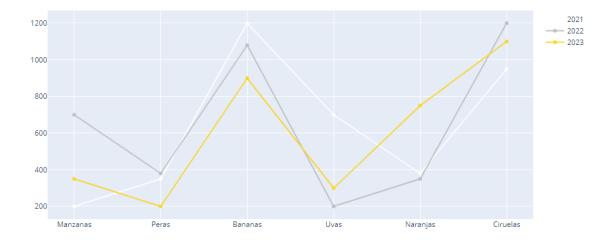


A B C Gen 41 17 12 Feb 32 54 13 Mar 56 6 16 Abr 18 78 18

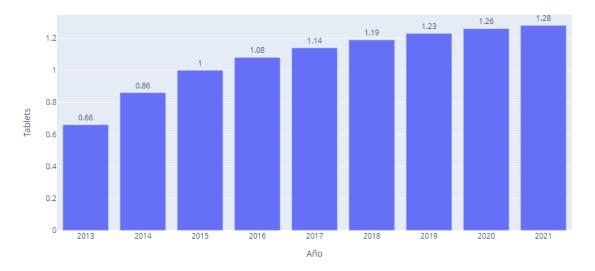
# Out[14]: <AxesSubplot:>



#### Ejercicio 4



## Gráfico de barras

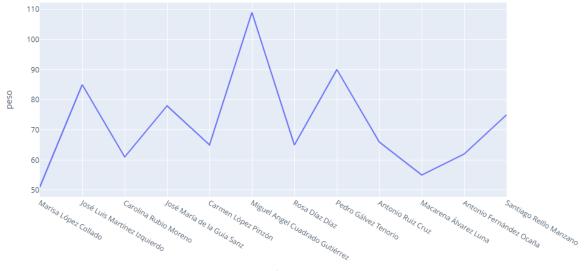


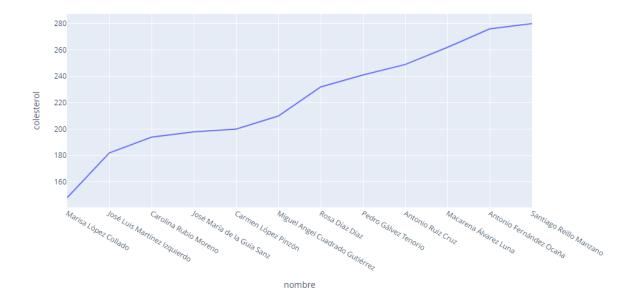
```
In [20]: 1 import plotly.graph_objects as go

fig = go.Figure()

fig = px.line(df, x="nombre", y="peso")
fig.show()

fig = px.line(df, x="nombre", y = "colesterol")
fig.show()
```





#### Original DataFrame :

|   | Name    | Address       | ID    | Sell   |
|---|---------|---------------|-------|--------|
| 0 | Anurag  | Patna         | 20123 | 140000 |
| 1 | Manjeet | Delhi         | 20124 | 300000 |
| 2 | Shubham | Coimbatore    | 20145 | 600000 |
| 3 | Saurabh | Greater noida | 20146 | 200000 |
| 4 | Ujjawal | Patna         | 20147 | 600000 |