



Yassmin AI

# Data Processing



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**pandas**

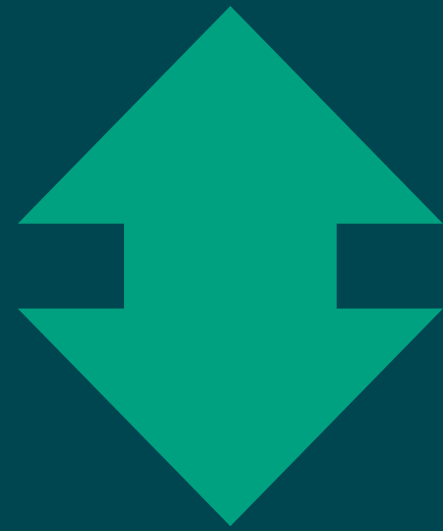


# Data about laptops



# Download Data

```
pd.read_csv("مسار الملف", index_col="عمود معين")
```



optional



# Display data



`df.head()`

`df.head(number)`

---

`df.tail()`

`df.tail(number)`

---

`df.sample()`

`df.sample(number)`

# Info about data

```
df.info()
```

# Sorting data

- `df.sort_values(by=[الأعمدة], ascending=bool)`





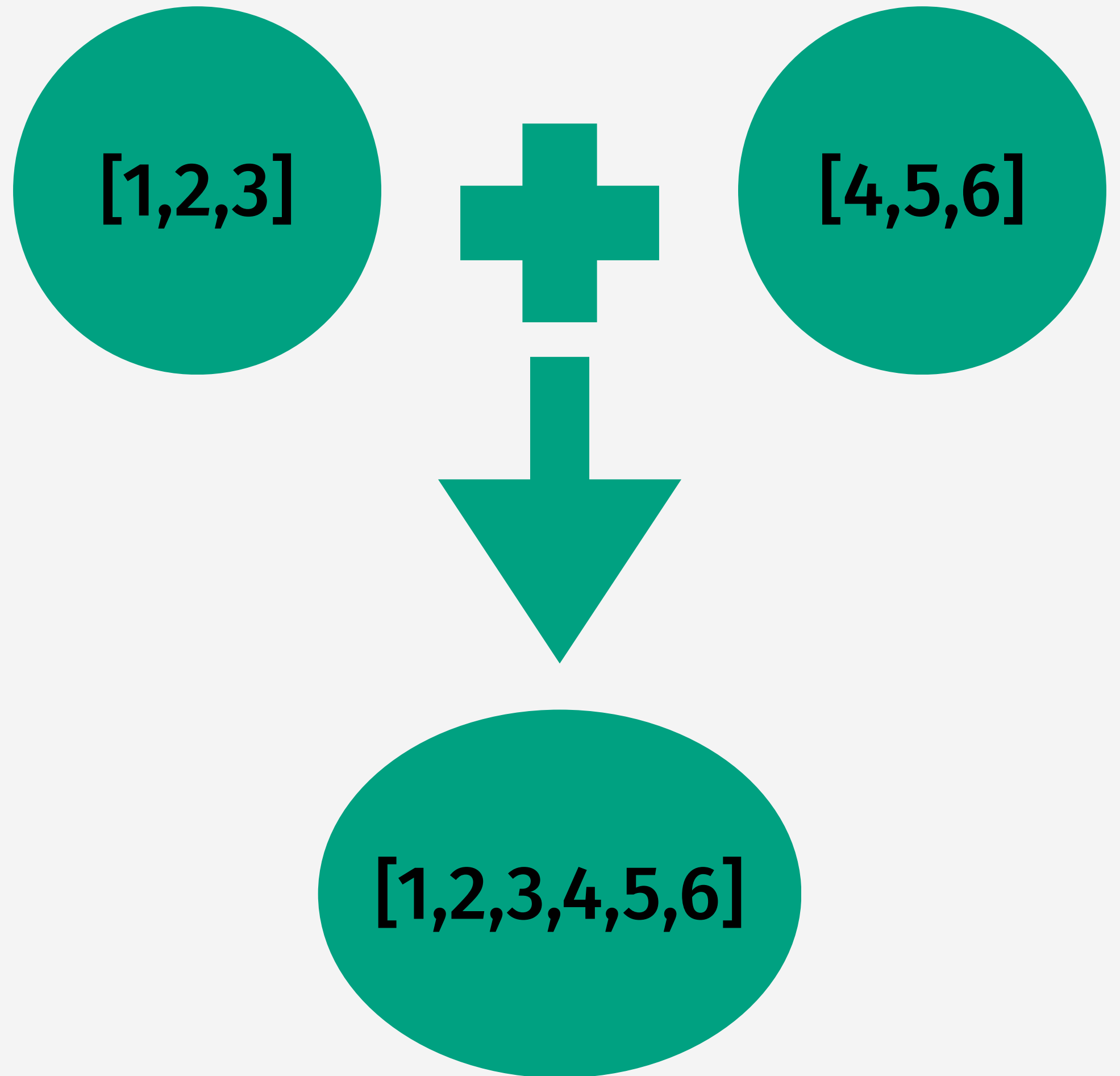
Null data

***df.isna().sum()***

**df.dropna()**

**df.dropna(subset=[أعمد])**

# Concet



# Insert dataframe

```
df=pd.concat([pd.DataFrame([{}],index=["Asus"]),df])
```

```
df=pd.concat([df,pd.DataFrame([{}],index=["Asus"])])
```

```
insert=0  
df_top=df.iloc[:insert]  
df_down=df.iloc[insert:]  
df=pd.concat([df_top,pd.DataFrame([{}],index=["Asus"]),df_down])
```

# Drop data fram

`df.drop( )`



Col or dataFrame



# Insert new col

- `df["اسم العمود الجديد"] = .....`

# Math methods

```
df["عمود"].max()
```

```
df["عمود"].min()
```

```
df.describe()
```



Loc method

***df.loc (["index"], [cols])***



Query

***df.query("شرط معين")***





thank you for listening

