Pandas:

* Khoi tao Dataframe tu dictionary:
  + Data = pandas.Series(dic)
  + Data = pandas.DataFrame(dic)
* Chon ra hang, cac hang
  + loc[]

Data.loc[“ten hang 1”]

Data.loc[[index 1, index 2]]

Data.loc[“ten hang 1”:”ten hang 2”]

* + Iloc[] (dung khi index khong phai la chuoi so 1,2,3… hoac khi khong biet chi muc)
    - Data.iloc[index]
    - Data.iloc[index1:index2]
    - Data.index[[index 1,…,index n]]
* Chon ra cot, cac cot

Data[ten cot]

Data.[[ten cot 1, ten cot 2]]

* Chon ra ca hang va cot:
  + Data.loc[[ten hang 1, ten hang 2…or : ],[ten cot 1, ten cot 2,…]]
  + Data.iloc[[index 1, index2…or : ],[index 1, index 2,…]]
* Them hang
  + Data = pandas.concat([dict,list…,Data]).reset\_index(drop = True)
* Them cot
  + Data[“ten cot”] = list,dict…
* Xoa cot
  + Data.drop([“ten cot 1”,”ten cot 2”…], axis =1, inplace = True)
* Xoa hang
  + Data.drop([“ten hang 1”, ”ten hang 2”…], inplace = True)
* Xoa cac dong co ky tu null
  + Data.dropna()
* Xoa cac o chua gia tri null trong cot chi dinh:
  + Data.dropna(subset = [“ten cot”],inplace = True)
* Thay the cac o khong co gia tri trong cot chi dinh:
  + x = Data[“ten cot”].mean()
  + y = Data[“ten cot”].median()
  + z = Data[“ten cot”].mode()
* Data[“ten cot”].fillna(x, inplace = True)
* Duyet DataFrame:
  + For i in Data.index:
    - Data.loc[i,”ten cot”] -> duyet qua tung hang cua cot chi dinh
* Kiem tra,xoa cac dong trung nhau
  + Data.duplicated()
  + Data.drop\_duplicated(inplace = True)