

PANDAS LIBRARY	PANDAS AGGREGATES (COMANDS)
BASIC FUNCTIONS import numpy as np DATA FRAMES import pandas as pd  IMPORTING CSV FILES: np.getfromtxt('f.csv', delimiter = ',') np.mean(lst) >> Average np.sort(lst) >> Sort the list np.median(lst) >> Median  DATA FRAMES import pandas as pd  IMPORTING CSV FILES: pd.read_csv('f.csv')  Pd.DataFrame(Dict) >> Create a DF II columns = [list] >> Create a DF II	df.c1.unique() >> Extracts the set df.c1.nunique() >> Extracts len(set) df.c1.mean() >> Average of the column df.c1.median() >> Standard deviation df.c1.max() >> Max number df.c1.min() >> Min number
df.head(n) >> shows first n rows df.info() >> entries and data	df.c1.count() >> len of the set  P.A. (GROOPING)
df.column.values df['colum']   **Sextract column df[[c1, c2]]   **Sextracts column so ff.iloc[index]   **Sextracts columns as df df.iloc[index]   **Sextracts the Row by idx  **Sextracts Rows as df df[df.c1 > n]   **Sextracts Row by cond. I  df[df.c1.condition]   **Sextracts Row by cond. II	df.groupby(c1).c2.mean()* >> Groups c1 df.groupby(c1).id.count()* >> Counter df.groupby(c1).c2.apply(lb)* >> lambda df.groupby([c1,c2]).c3* >> Multiple g *> reset_index() >> To reset df  df.pivot(columns = c2, index = c1, values = v)  MERGE METHODS
df.reset_index() >> Reset the index drop = True >> Without inserting it inplace = True >> Modify overwriting  ADD AND RENAME COLUMNS	pd.merge(df1, df2*)>> Merge method I df1.merge(df2)>> Merge method II df1.merge(df2).merge(df3) *>how = 'outer' \ 'inner' \ 'right' \ 'left'
df[columns] = list >> Adding a column  RENAMING COLUMNS: df.columns = list >> Modifying names df.rename(columns = {old:new}, inplace=True)	pd.merge(df1, df2, left_on = c1, right_on = c3)* >> To merge 2 data frame with same column *> suffixes = [name1, name2] pd.concat([df1, df2])
APPLY MODIFICATIONS & LAMBDA	SORTING METHODS
df[col] = df.c1.apply() >> Modify column df[col] = df.c1-apply(lb) >> lb = lambda	df.sort_values(by = ['c1', 'c2'], ascending = False)
	IMPORTING CSV FILES: pd.read_csv('f.csv')  pd.DataFrame(Dict) columns = [list]