Pandas is aliborary allows us to read easily read in and work with different type of data.

sjupiter by default display 20 coloumns

O dF= Pandas-read-CSV(1 1)
We put our data in the mortioned file to a variable
called dp

# of Shape - ( rows, Coloumns) - returns number of rown and

# df. info() \_ method. return number of rows and Coloums
and data about it (Type of data - number of non null
Variables ago --)

pd. set\_option ('display-max\_Coloumns', (85))
To display all my data
عدالاعده الله عابدا عربية

# Schema\_df=Pd.read\_BSV(1dal---)
To Load The Schema CSV-> himple coll of N is YI is

# df. head (1) - See First 5 roug or Pass a value here

# df-tail(4) -> see last 5 rows of data or pass avalue.

(अंधे)

Video 2: Data frame and setecting series Basics
[Keys-Value ] Pricepthon James [1] didionary as Pandas 11 dua.
dictionary of List wish of dictionary! With a wish of dictionary! With the list of dictionary was a wish List of the wish was a wish with the list of the wish was a wish with the list of the wish was a wish with the wis
wish List UT
to dictionary is a see the other said
Pandas Pandas Symphony was work at mall
POL-P
df_Pd.Dadaframe (PeoPle)
t gives
How to access a single coloumn.  (df ['email']) > Type Series or (df-email) some errors.
subat is series object: it is simply a one dimentional array
urows of dadan
> ( \$ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
How to access multiple coloumns ??
of [['Lastig, 'email']
-df-columns -> give me all my columns
> To get a tow (i Loc) integu location.
S 10 get a 1000 (100). 1000 total a
of. iloc (o) and the following
- Toget MultiPle row
of. iloc[[0/1]]
عد سحت بالرقع بتاع index و اتر عقبال تعيد الله
To access rows and columns together
Fired covers index coversed to
G09\$/\
(2)

df.loc[[0,1]] . Cilicall vioi To get rows and columns with Loc we need to pass nome of Column not index of-loc[6,1], 'email'] - How to know how many answers of specific answer are? " of [ Hobbyist'] value Counts ( ) -> To do slicing of-10( [0:2, 'Hobbrist'] SiGno Uslay String video 3: indexes lolurie sur lolur default index sage become index يد ع من صفر للن اعا معلن احد ndex الى اعام عام ه df. Set\_index(1 And ) De me 10 am av name of Coloumn I want to be index if I want to this my data after this Line it will back to defult . What should I do? of-set-index ('email', inplace= True) ا ده هسما علیوا ان ا بعث فی داتا بناعتی هنجت با ی المل الل علزه How to resel index ?? of. resel - in dex (in Place = True) الماري الـ index المدارة على من البداية فا لعن من وانا رجيل الداناء Pd. read\_OOV(' ') index\_ CoL= 'Rest') Nego 3

How to order My choosen index Alphapiticaly ?? Schema - of - Sort\_index() or schemol-of-sorthinde (ascending = false) will cuit Video 4: Using conditional to filter dara roows and columns df['last') == 1 Doe' returns a Series of True and false First = (df [last] == 'Doe') of [Filt] > return all datagrame that has last name Doe of-loc[filt] 6 Last name is Doe and first name is John Filt f(df['Last'] == 'Doe') &(df['first'] == 'jdn')) 1 or Poposive. List pour as I item and als Countries = ['United States', + India ', Germany'] To search for athing in My Survey Molester James 17 Filt-of [ Language Worked with ] = Str. contains (Python') (Veop) (4)

Lideo 5: updating rows and Columns > ex to change all columns to upper case of-Columns=[x.upperc) For x in of-Columns] -> remove spaces and put spaces under score df. columns = of columns . Str. replace ( ' ', '-') > To charge name acolumn. of rename ( columns & 'first \_ name' rifirsty inflow = true) > updating data in arow df.loc[2] = ['john', 'smith'] or of loce, ['last', 'email']] ['Doe', 'john @emoil'] or d.f. Loc[2, 'Last'] = 'smith' To change only df.at [21 'last'] = 'Smith' Filt= [ 'email'] == John Doe @e') df.loc[Fit/ 'Last'] = 'smith' df['email']-Str-lower 1) > apply function 1 on Series oin a Series of ['email'] - apply (lon) - length of characters -> apply Function on data frame. df-apply (len) - doesn't apply function to each data frame it only apply for each data frame Series len-3 chy Tis F- 11 25 the cisu REGOD (5)

To get min value of data. or of apply (Lambola X: X-min()) کره بود و معرنفاع دونف کو مام می کان عراوده applymap risino of applymapiten) -> returns length of every element of ['first'] -map (2 'corey': 'Chris', Jane': Mary') كه هجير اول اشين ورجلي المالت COS OBLICO ICO NAN Sort value ( by - 1951, 05 end) of ['First'] replace ( { Corey': 'Chris', 'Irine': 'Mary') متحافظ عم الفعة الثالثة Video 6 = Adliemove rows and Columns. How To Combine first and Sciond Column in one Column. df['first'] + '+df['last'] of [ Full-name ]=df['first']+ "+df['last] -remove Column df.drop (Columns=['First'] Last'] -> df['full-name']-Str.Split('') df [ 'full-name'] - Str. Split (' ') expand True) Neon (6)

served bode lite that is in case

of describel) gives me aguick stadsfield overview add a single row of append ( E'first': 'Tony', 'Last': 'Mo' &, ignere\_index=True) add data frame to datu from. df-append(dfzjignore-index=True) of . append cdf2, ignore index = trores Video 7 = Sorting data to sort by Last name of- Sort-values by = 'Last') My 1100 1100 df-Sort-values (by = 'Last', ascending = False) index is will be selected df-sort\_index() To Sort Single column annual band and some way df['Las']. Sort\_value() To get largest of single Column df [' '].nlarget((o) عد المنامر الى انا ما بر صا of df. nargest(10, 1 1) (n Smallest) 132 12 (19000 111) 7 15 M import MatPlotlib - Pyplot asplt 0/0 matPlotlib inline GOOY (4)

How to fill missing values  F[' i] -filling (df ( i]-mean(), inplace falses  plent be sing NAN is small you has						
au to get of drops	tridoff N	AN values				

