

## CROWD COMPUTING – JUST ESTIMATE 05

Hello everyone, In this programming screen cast I will show you, How can you plot the estimates of the crowd, So that you can to get to know, Which estimates whether median, mean was close to the action value, So how can you plot different numbers on python, Let me show you, For plotting different numbers for plotting any sort of data you have to import one library and that is import matplotlib.pyplot you have to import matplotlib.pyplot I will name it as plt ok, So let me show you how can you plot different numbers I will just write plt.plot and I will pass a list here, So I will pass like one, two, three and four, So let us see our plots first of all you have to save it plot.py. We have a graph here we plot it one two three four, one two three four are plotted on the y axis, Let me show you that here it is one two three four, So in this where you can plot particular data with the help of mat plot lib you must be wondering here we didn't pass any x value, But in python it automatically generates the x values if u dint pass any, I repeat in python it automatically generates the x value if you don't pass any, Now I will show you if you want to pass x value then how will it look like, So I will pass one more list and will be like one four nine and sixteen here one two three four will be the x values and one four nine sixteen will play as the y values, So let us see how the plot comes out to be here, So as you can see we change the y values, So we get one four nine sixteen here the line that has been obtained is not is not straight it is curved and one two three four are playing as the x values here, Ok this is how you can plot in python through mat plot lib there are many other options that are available you can also use many other option I will let you know one option is you can use the labels as x labels and y labels you can actually label the x axis and y axis, Here we will do plt.y label I will write some values this is how you can label your x axis and y axis ,Let us see how this happens see we have label here some values ok since I use the y label it will be shown in y axis you can use also x label if you want to use any label in the x axis ok,So this is how you can use the labels and this is how you can plot through mat plot lib,Next if you this is the line graph if you want plot in other fashion if you want to plot dotes in other fashion let me show you how you can do that for example if we if I want to plot in dotes so let us see how can do that. In plt.plot you can write another argument how do you want to plot the data, So I will write RO here if I write ro let us see how the plot come out to be see the plot comes to be in the form of red dots, It is one four nine and sixteen, So this is you can plot in form of dotes, Other options are also available for example if you want to plot in the form of red dashes, So you can write R hyphen hyphen in place of RO now let us run. This is how you can plot in the form of red dashes, I will show you some other option too for example if you want to plot in the form of blue squares you will just write BS will just write BS let us run that, Yes here you have plot in the form of blue squares BS stands for blue squares yes it is one four nine and sixteen and there is one more option that is available that is the form of green triangles you can also do that let us run that let us run that, So here you the data in the form of green

triangles let us check that, Here we have one four nine and sixteen, So in this way you can plot in the form of red dashes, blue squares and also in the form green triangles, This is how you can plot the data through mat plot lib in python.