as I explained it to you the other day

usually when I give you some problems

they are in random form that means

problem is continually changing in order

to avoid continual change of the problem

we may say copy and then go ahead paste

special and click on this 1 2 3 and

therefore those numbers will not change

any when I teach a complicated concept I

will paste it especially all such that

they will not change right but in this

problem it is not a complicated problem

so I leave them as random numbers

therefore as I hit Enter key everything

is changed because computations renew

themselves stop me please whenever

something is not clear to you in few

minutes I am going to explain a little

bit about the first three charts and

then we will spend maybe 5 minutes 10

minutes 15 minutes 2 3 4 5 minutes I

will explain the fourth chart and in 10

minutes you recreate that fourth chart

so the first one is I have some numbers

here and I wanna represent it this is

not X Y numbers these are just X numbers

or Y numbers I just have one column of

data and I want to represent that column

of data so I go here I click on this

cell

shift control down that will mark all my

numbers and then I go and say insert

chart and then I will select this line

chart and I and so this is a child I

just created and as my data changes this

chart also look at the horizontal axis

on the horizontal axis it is written 1 2

3 4 5 6 and so on and so forth

that means XO chart has considered those

number as the first number second number

third number and forth sometimes we

don't like this 1 2 3 4 5 for example we

want to replace these numbers here we

want to replace 1 2 3 4 5 by these

numbers or for example we want to put

some text in front of each of those

numbers in this case I will go to

destroy right click and I say select

data when I select data this is

horizontal line I say edit Jenny tell me

me okay

I took 1 2 3 4 5 over there what do you

want me to replace this 1 2 3 4 5 with I

say replace these numbers ok ok and then

those numbers will be there sometimes

these numbers are mixed together and I

want to

we debate improve the situation in that

case I say control one format comes up

some sort of formatting comes up and in

those formatting here I see nothing and

here it allows me to change the

direction of those numbers and make them

a little bit readable you see these

numbers here at the bottom they a little

bit change now they have a 48 degree

slope I may make it 90 degree be like

this if you want to change so this is

regarding the chart if I want to put a

title over there I go here and say this

is tight though okay and then that will

become the title of chalk let me go

so we learned this one is charge which

where we just see one two three four and

we saw another version of the same chart

when we replace those one two three four

by something else that was here when we

went and we changed those numbers by the

numbers that we had here

do not forget this is not a

two-dimensional chart this chart does

not understand the relationship between

what is in column one and what is in

column two except matching them they say

these two are related to each others but

as long as the measurement is concerned

it doesn't understand the measures on X

Direction what is in the first column

here

indeed it is nothing it is just name it

is not X if these numbers were x and y

then I should have used another chart

insert scatter chart and then I select

this one

no the chart understand that on X

direction we have an x value on y

direction we have a wire you for example

if I go here and I type equal to integer

hundred times R and for example

and if I copy down these numbers are

mixed mixed up you see because it

considers X&Y as a relationship for

example I go here right click I say

change chart type and then I go to

scatter graph and I select this one

which is more reasonable here and that

is the relationship between those

numbers the first one was just a line

chart X was a name with nothing else

the second one was it's atom X is a

number not just a name so if I go in the

first shot if I go here we go back to

one version of the first chart which I

had if I go here if I create this line

chart yeah insert line this one that is

what I have entered now I go and click

on it and I say select data and I go and

edit the X dimension control shift down

okay okay and this is the chart I have

look this is 13 this is 71 this is 23

but in the other one those numbers those

XS had meaning look at here this is the

chart on the right which is line this is

the chart on the Left which is scatter

look at here when I go

and change the numbers this the shape of

the curve having saved that we have

these three charts I delete them and I

delete this one and I delete this one

and I did it this one now my question

for you is this look at this chart look

at this chart here okay let me delete

this nothing Dileep okay now you go to

your X of XI I can I have created this

graph let me show you what this graph is

this graph shows these numbers okay

first shows the smallest one then the

largest at the end it will show the

largest one also it shows mode mean and

median in these points let me change it

change it change it you see these things

are changing my question for you my

friends is if we learned the line chart

and if we have learned scattered

spend some time communicate with the

person who is sitting by you and check

if you by yourself can create a graph

similar to what I have created here the

best way to do is to copy this page in

another page delete everything except

column a and then try to recreate the

graph that I have recreated but that I

have created you can talk to each other

if you like and you can also come to me

and ask questions or ask me to come to

your station and answer your question

over there