In this talk, I will explain relative referencing, absolute referencing, and mixed references.

Relative Referencing

I have these quantities and these are the corresponding prices.

I want to multiply each quantity by each price, and then add them up.

I do not need to go to each line and multiply each quantity by each price.

Just do it in the first line and copy it down.

Or just click-click

If I want to have overall revenue

Equal to SUM and then mark

Alternatively

Go to the first cell

Control shift down

But since it covers the SUM cell to

Reduce it by one cell

Alternatively – that that is only for SUM function

Alt equal

If we do not need revenue one by one

Then

We may also use Sumproduct

Which means multiply the items one by one and then add them up

Here it is in line 12, I shold go to the row above it. Row 11

f it is line 12 i should know i

should go one

row above it is 11 and i

enter it again gives me the

summation of those numbers finally

i can also come here and type

alt equal

go here

alt equal and it will automatically give

me that formula that is work that works

for

summation because summation is a very

common function in excel so they have

this shortcut

for it and that will give me the

summation

the situation here is a little bit

different here

i have the quantity of the items

but i need to but the price of all of

them are

the same and i need to

multiply i need to multiply

each of these numbers by that

price each of these numbers by that

price

unlike the situation when each

quantity was multiplied by the price in

each line

each quantity was multiplied by the

price and

its line here they all need to be

multiplied

by a specific value

now i come here equal to

this one multiplied by

this one but if i do it like that

and copy it down

here i see strange things why because

as long as it goes to relative

referencing

what i said here was multiply

the salt to the left by a cell

two to the north

and then when i copy it down two to the

north

for this salt becomes that one so

i'll go here let's say equal to

this one multiplied by

this one and then i push f4

function f4 which creates two dollars in

front of it

if i again push f4 the dollar in front

of

row the column

dollar in front of column will go out if

again click the

dollar in front of row goes out but the

dollar in front of column comes

back and if i click again they

both go out and if i click again

dollar sign will appear in front of

both row and column

now it says now the formula

states that multiplied the sul

to the left by cell

g2 it is not the sul 2 to the north it

is sul g2

and remains g2 now i can

go here copy down like this

or just go over there

and click click

and this is fill

again here i can come equal to

summation i'll go up

ctrl shift down but it comes up to

where this formula is also there i go

one cell

up and that's it now if i double click

on this

this summation of these eight

rows

the situation here is

different here the quantities

are here and the prices are over there

and i need to compute my total revenue

which is multiplication of this number

by this by this by this by all of them

the same for all other values this

one to the left multiplied by

one to the north obviously does not work

because if i copy this

doesn't have any meaning i can go here

and say accord

and state equal to

quantity multiplied by

price and f4

which locks that and then

copy it down

right now if i double click on it it is

very correct

if i double click on this it is very

correct

but what if i copy these numbers

to the right and for example click on

this one

this one instead of being multiplied by

that one

is multiplied by this one which doesn't

have any meaning

and instead of being multiplied by this

one it is multiplied by that

so i will go up

equal to i say multiply

this by this one

multiply this one

by this one

and then

i say i state

lock k3 f4

black k3 this is good when i copy

down but when i copy to the right

that k3 remains k3 while i want it to be

l3 therefore i go there and remove that

key

so 3 is locked but k is not locked

i copy this down

everything looks fine

i copied to the right

a part of the problem is resolved a part

still exists this one

from k3 moved to l3

but this one also from j

10 moved to

k 10.

while i want this number to

stay at j so i'll go over there and i

put a dollar sign in front of j

so i say no matter where i am going you

need to get the

data in column j and no matter where i'm

going

you need to get data from row 3.

enter copy down

copy to the right

and that's it

absolute referencing relative

referencing

and mix referencing