Simple linear regression

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```
[1]: Kericho=[34,56,78]
     Nakuru=[56,67,43]
     Kisumu=[45,76,34]
     Eldoret=[56,76,35]
```

```
[2]: wi,w2,w3=[0.5,0.6,0.7]
```

```
[3]: def local_prod(region,weights):
         result=0
         for x,w in zip(region,weights):
             result +=x*w
         return(result)
```

```
[4]: d=local_prod(Kericho,weights)
     print(d)
```

```
105.19999999999999
```

```
[5]: f=local_prod(Nakuru,weights)
     print(f)
```

```
98.29999999999998
```

```
[6]: g=local_prod(Kisumu,weights)
     print(g)
```

```
91.89999999999999
```

```
[7]: h=local_prod(Eldoret,weights)
     print(h)
```

```
98.1
```

```
[ ]:
```