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```
clc  
clear all  
  
table = readtable("datos.xlsx")
```

table = 24×2 table

	i	yi
1	1	6.3950
2	2	6.4350
3	3	6.4850
4	4	6.4950
5	5	6.5050
6	6	6.5150
7	7	6.5550
8	8	6.5550
9	9	6.5650
10	10	6.5750
11	11	6.5950
12	12	6.6050
13	13	6.6150
14	14	6.6250
15	15	6.6250
16	16	6.6350
17	17	6.6550
18	18	6.6550
19	19	6.6550
20	20	6.6850
21	21	6.7150
22	22	6.7150
23	23	6.7550
24	24	6.7750

```
x = table.i;  
y = table.yi;
```

```
mu = mean(y)
```

```
mu = 6.5996
```

```
sigma = std(y) % n-1
```

```
sigma = 0.0969
```

```
sigsq = var(y) % n-1
```

```
sigsq = 0.0094
```

```
coefvar = sigma./y * 100
```

```
coefvar = 24×1  
1.5147  
1.5053  
1.4936  
1.4913  
1.4891  
1.4868  
1.4777  
1.4777  
1.4754  
1.4732  
⋮  
⋮
```

```
n = 24;
```

```
a1 = (n*sum(x.*y)-sum(x)*sum(y)) / (n*sum(x.^2) - (sum(x)^2))
```

```
a1 = 0.0134
```

```
a0 = mean(y)-a1*mean(x)
```

```
a0 = 6.4315
```

```
reg = @(x) a1*x + a0;
```

```
figure(1)  
hold on  
index1 = scatter(x,y,"LineWidth",2,"Marker","o");  
index2 = plot(x,reg(x),"LineWidth",2);  
  
legend([index1,index2], "Real", "Regresion");  
xlabel("Eje x")  
ylabel("Eje y")
```

