
```
commandwindow
clear
clc
liar = xlsread ('Olufemi')
x1 = liar (:,1)
Y = liar (:,2)
[xr xc] = size (x1)
x0 = ones (xr,1)
X = [x0 x1]
Ktc = regress(Y,X)
a0 = Ktc(1)
a1 = Ktc(2)
ysim = a0+a1*x1
R = corr ( Y, ysim)
b = R^2
```

```
liar =
```

0	0.3010
1.0000	0.6990
2.0000	1.2788
3.0000	1.6990
4.0000	2.1790
5.0000	2.6721
6.0000	3.1569
7.0000	3.6544
8.0000	4.1118
9.0000	4.6141
10.0000	5.0454

```
x1 =
```

```
0
1
2
3
4
5
6
7
8
9
10
```

```
Y =
```

```
0.3010
0.6990
1.2788
```

1.6990
2.1790
2.6721
3.1569
3.6544
4.1118
4.6141
5.0454

$xr =$

11

$xc =$

1

$x0 =$

1
1
1
1
1
1
1
1
1
1
1
1
1
1

$X =$

1 0
1 1
1 2
1 3
1 4
1 5
1 6
1 7
1 8
1 9
1 10

$Ktc =$

0.2751
0.4797

`a0 =`

`0.2751`

`a1 =`

`0.4797`

`ysim =`

`0.2751`

`0.7548`

`1.2346`

`1.7143`

`2.1940`

`2.6738`

`3.1535`

`3.6332`

`4.1129`

`4.5927`

`5.0724`

`R =`

`0.9998`

`b =`

`0.9997`

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