
```
commandwindow
clear
clc
liar = xlsread ('etim patrickkk')
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	0.6931
1.0000	1.6094
2.0000	2.9444
3.0000	3.9120
4.0000	5.0173
5.0000	6.1527
6.0000	7.2689
7.0000	8.4145
8.0000	9.4678
9.0000	10.6244
10.0000	11.6175

```
x1 =
```

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

```
Y =
```

```
0.6931
1.6094
2.9444
```

3.9120
5.0173
6.1527
7.2689
8.4145
9.4678
10.6244
11.6175

$xr =$

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

$Ktc =$

0.6335
1.1046

`a0 =`

`0.6335`

`a1 =`

`1.1046`

`ysim =`

`0.6335`

`1.7381`

`2.8427`

`3.9473`

`5.0519`

`6.1566`

`7.2612`

`8.3658`

`9.4704`

`10.5750`

`11.6796`

`R =`

`0.9998`

`b =`

`0.9997`

Published with MATLAB® R2018a