

```
>> % Effects of Cold Water
Experiment
>> A=[1 68;1 65;1 70;1 62;1 60;1
55;1 58]
```

```
A =

     1    68
     1    65
     1    70
     1    62
     1    60
     1    55
     1    58
```

```
>> Y=[2;5;1;10;9;13;10]
```

```
Y =

     2
     5
     1
    10
     9
    13
    10
```

```
>> rref([A Y])
```

```
ans =
```

```
     1     0     0
     0     1     0
     0     0     1
     0     0     0
     0     0     0
     0     0     0
     0     0     0
```

```
>> % Use Least Squares Method
>> S=A'*A
```

```
S =
```

```
     7    438
    438   27582
```

```
>> W=A'*Y
```

```
W =
```

```
     50
    2986
```

```
>> inv(S)*W
```

```
ans =
```

```
    57.9122
   -0.8114
```