

Data used in Examples

Exponential Data

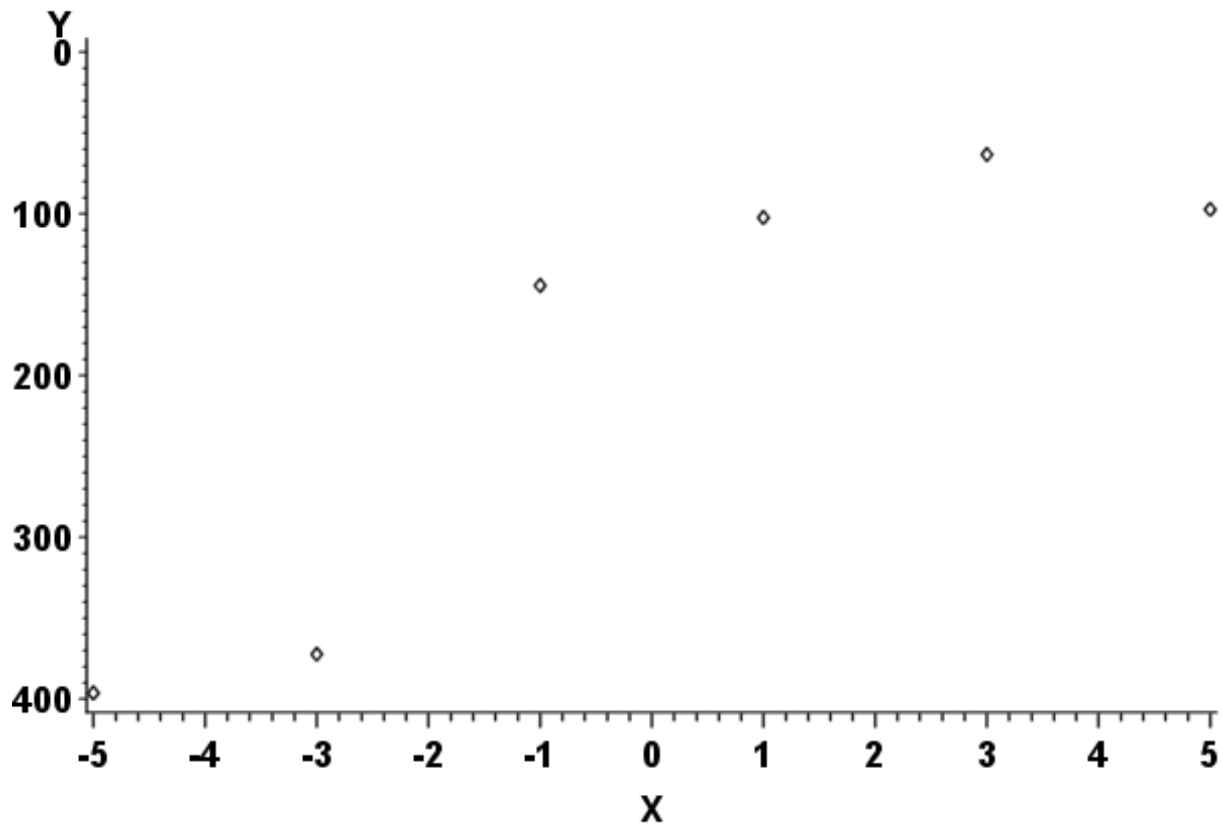
This is just a "made up" data set to illustrate a simple exponential model.

1) Y - Dependent variable

2) X - Independent variable (regressor)

```
data exp;  
    input x y;  
  
cards;  
-5    -396.2983  
-3    -372.2983  
-1    -144.2983  
1     -102.2983  
3     - 63.2983  
5     - 97.2983  
;
```

Exponential Data



Prickly Lettuce Germination Study

This data records the change in cumulative germination over time for two bio-types of prickly lettuce. The bio-types are lines which are susceptible or resistant to sulfonylurea herbicides. Three temperature regimes are also used, however, only the 8 C data is used here.

1) REP - Replication

2) BIO - Biotype classification

3) TEMP - Germination temperature (C)

4) TIME - Time after start (hrs)

5) GERM - Cumulative percent germination

```
data bio1 bio2;
    input rep bio $ temp x germ;

    if temp =18 then delete;
    if temp = 28 then delete;
    if bio='S' then output bio1;
    if bio='R' then output bio2;

cards;
1   S   28   1   0
1   S   28   2   0
1   S   28   3   0
1   S   28   4   3
1   S   28   5   7
.   .   .   .   .
.   .   .   .   .
.   .   .   .   .
12  R   8    35  100
12  R   8    36  100
12  R   8    37  100
12  R   8    38  100
12  R   8    39  100
12  R   8    40  100
;
```

