5/26/2021 Code: Q2-7.sas

```
/*Q2.7*/
data d;
input x y;
cards;
8.3 1.3
3.4 18.3
4.5 14.4
6.0 9.0
6.1 9.5
6.4 7.9
5.8 10.2
4.8 13.9
7.1 5.5
9.1 - 1.1
8.7 0.0
5.0 12.9
8.2 2.2
3.6 17.6
8.9 - 0.2
5.7 10.7
6.1 9.4
5.7 10.5
4.2 15.1
4.2 15.9
7.1.
proc reg data = d;
model y=x /alpha=0.01 p clm cli;
run;
/* The prediction value for y given x=7.1 is 5.7032,
the 99% confidence interval for the mean response is (5.5004, 5.9061)
and the 99% prediction interval is (4.8927,6.5138) */
```