

```
/* Q2_2 */
data d;
input x y;
cards;
2.29 -16.55
2.79 -19.62
2.42 -17.25
1.74 -12.80
1.35 -8.00
2.87 -19.75
1.03 -6.83
1.79 -12.02
1.68 -11.91
2.74 -19.93
0.09 -1.33
1.70 -20.00
4.00 -28.00
4.30 -15.00
;
proc reg data = d;
model y = x / r influence;
run;
/* Criterion of detecting outliers with respect to x using leverage
value:  $h_{ii} > 2*(k/n) = h_{ii} > 2*(2/14) = h_{ii} > 0.2857$ . The outliers with
respect to x is (0.09, -1.33) and (4.30, -15.00). */
```