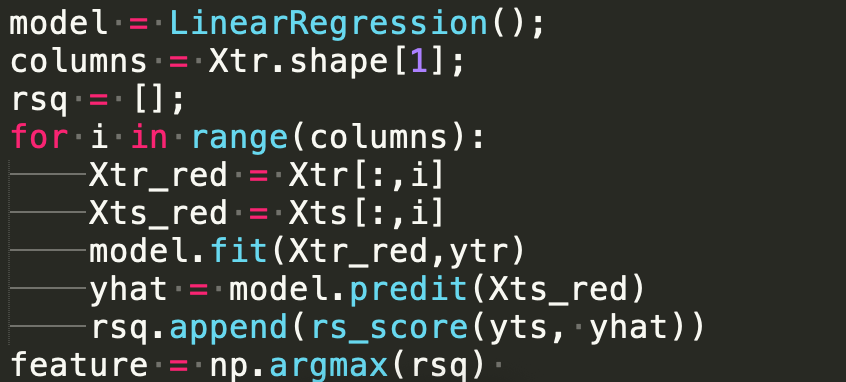
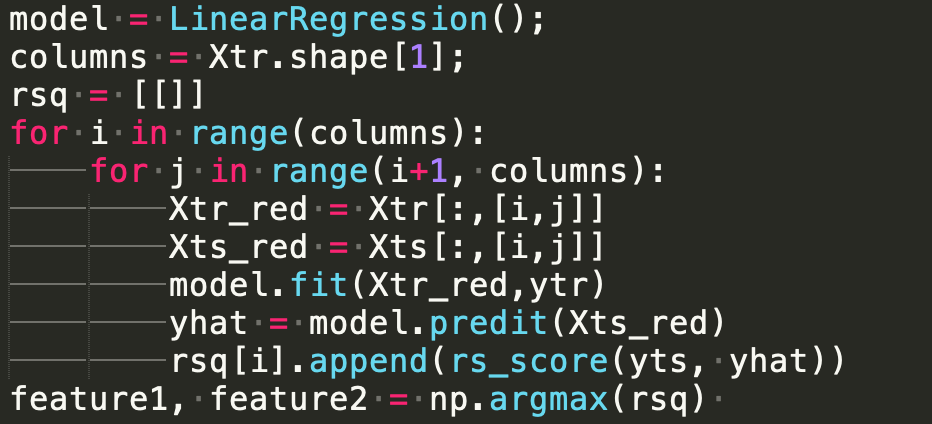
1.(a)



(b)



(c)

best k of p features:

when k =10, p=1000 , it will need to call times fit function.

2.

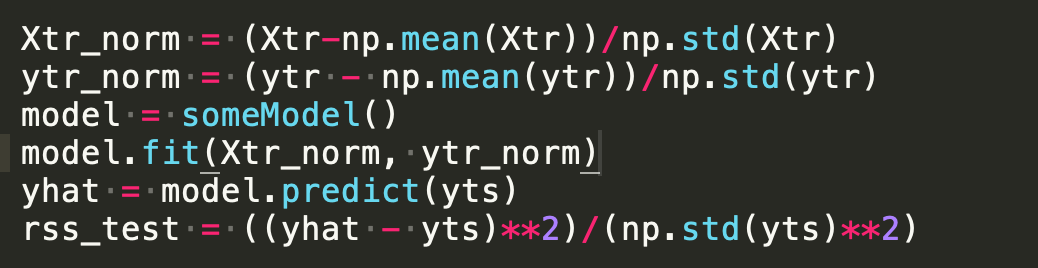
(a)

(b)

(c)

(d)

4.



5.

