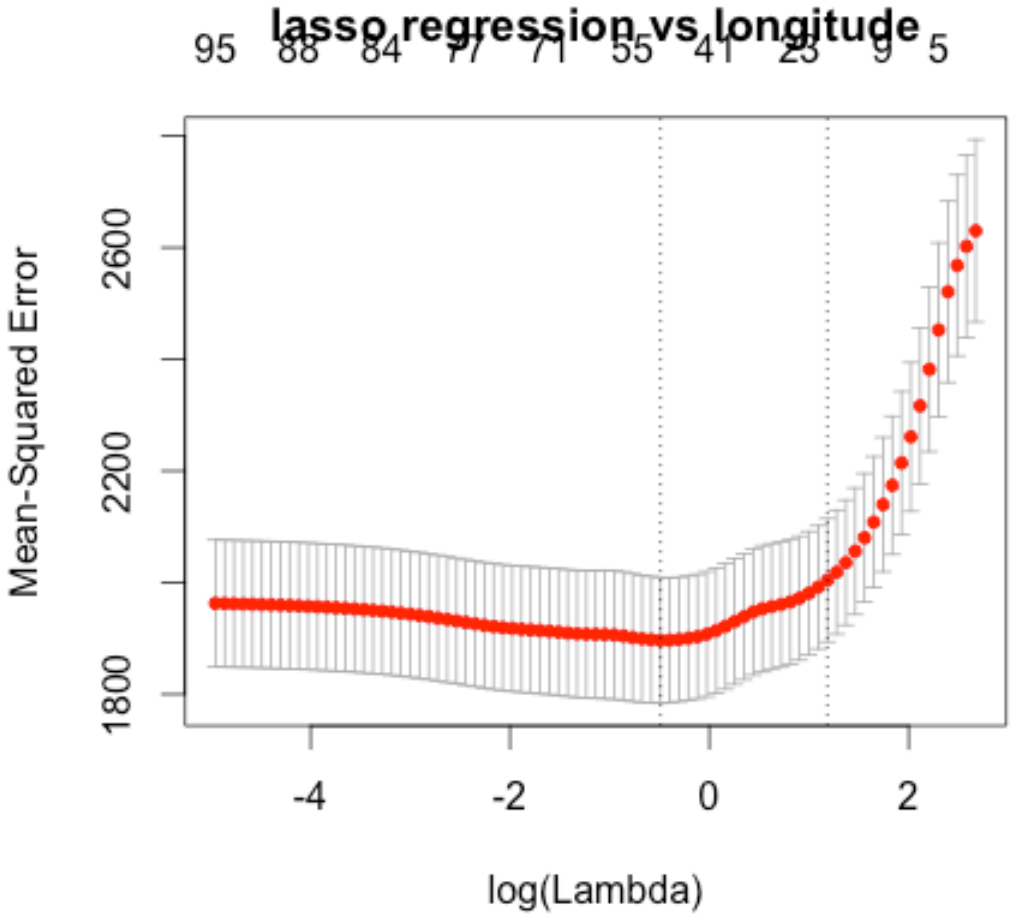
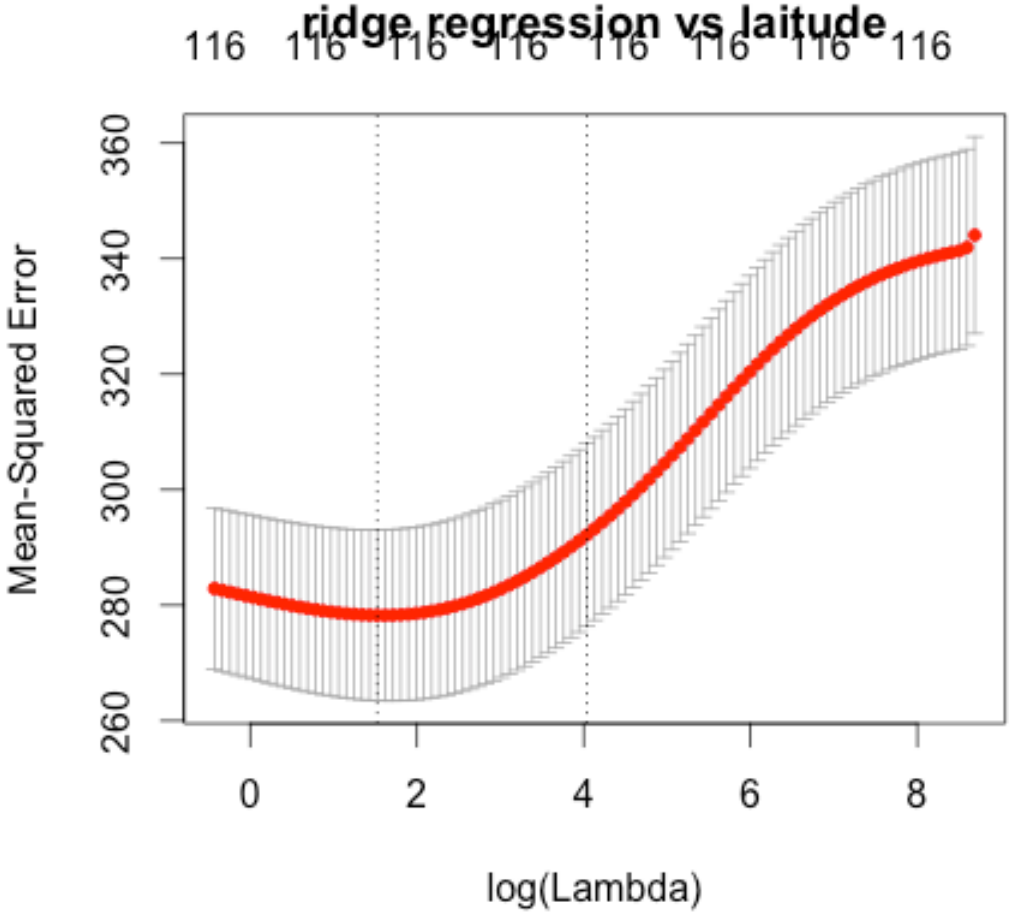
1.

Regularization Lambda: 0.6358245
Mean square error: 292.3615



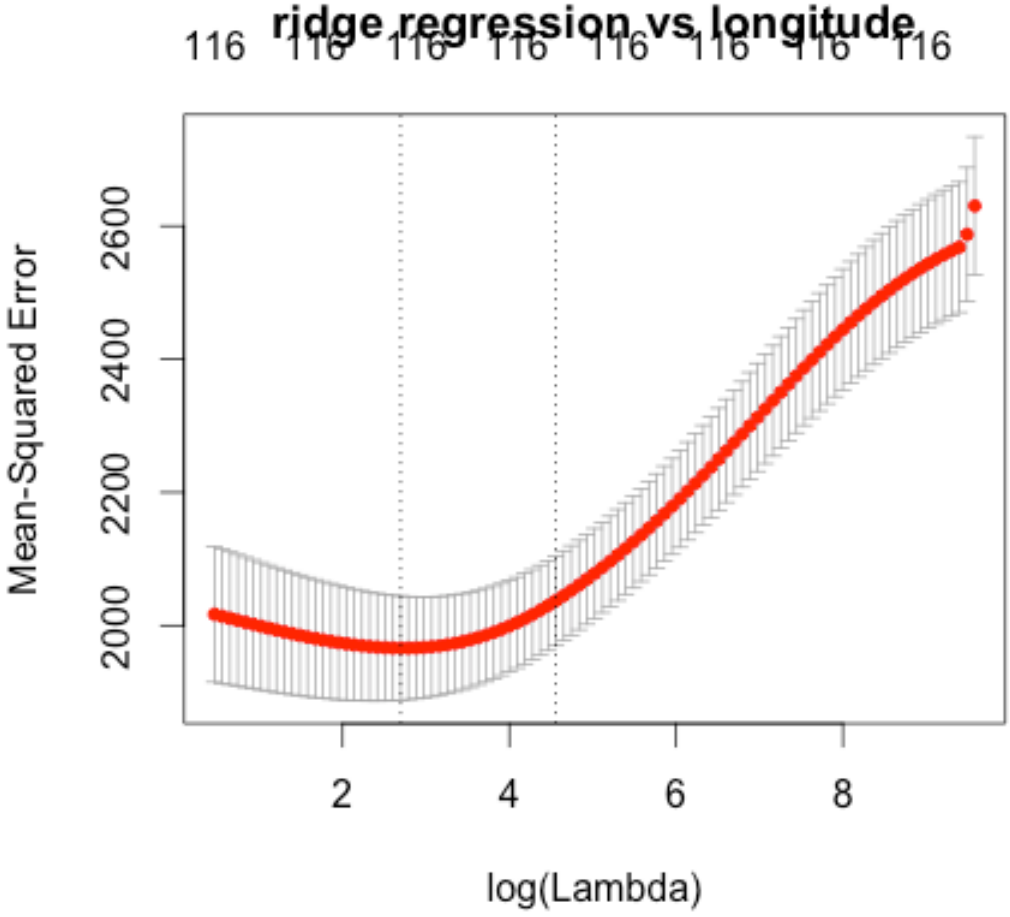
2.

Regularization lambda: 0.803189
Mean square error: 1941.708



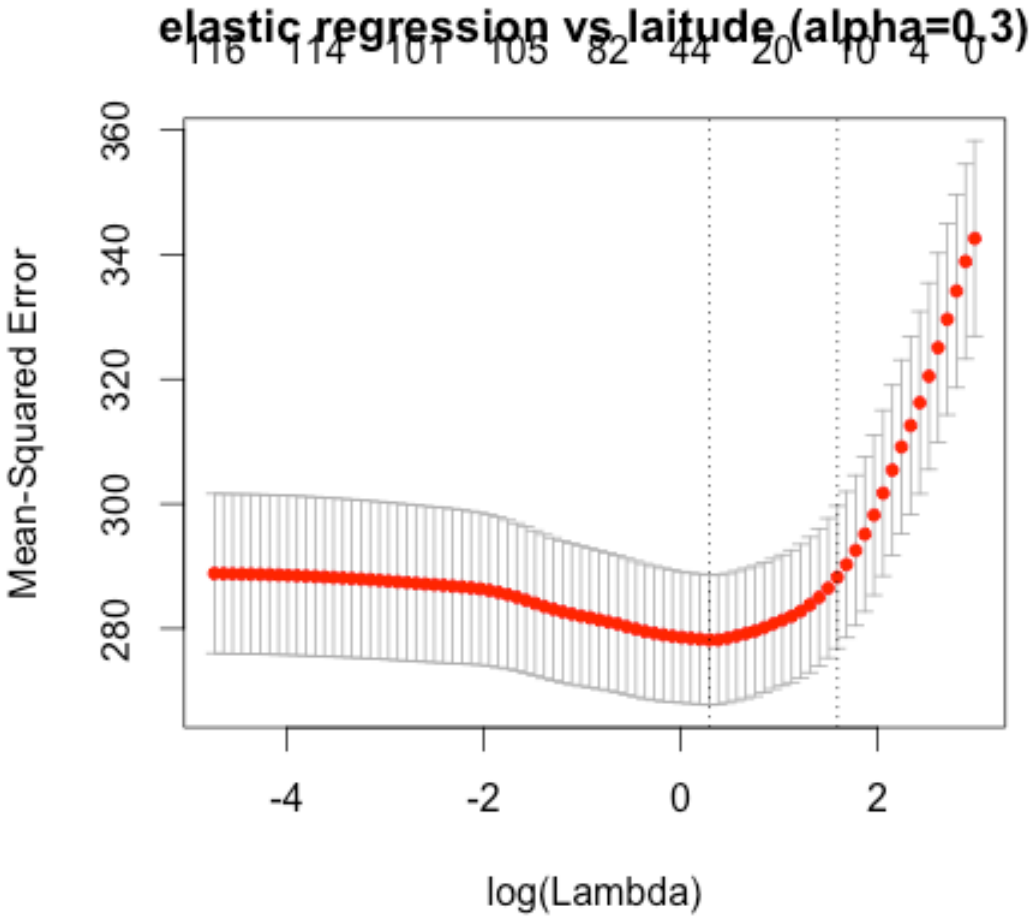
3.

Regularization lambda: 9.663966
Mean square error: 291.0583



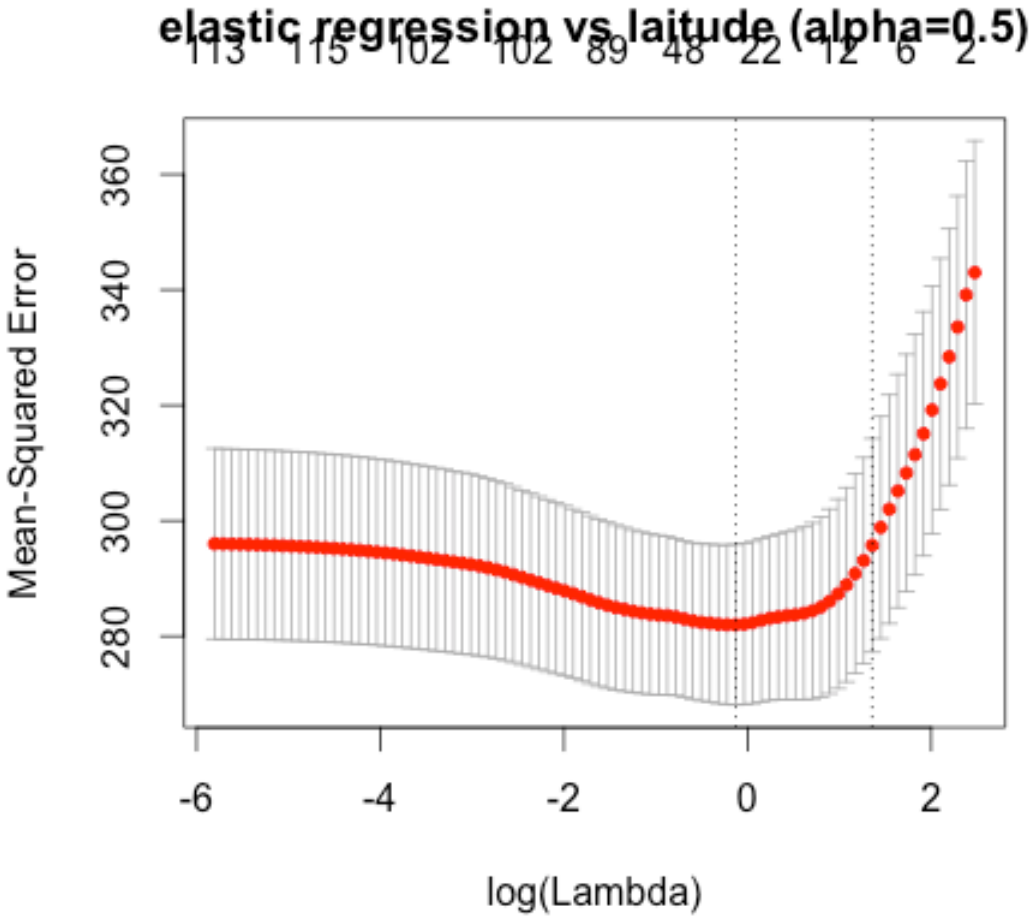
4.

Regularization Lambda: 8.41335
Mean square error: 1889.012



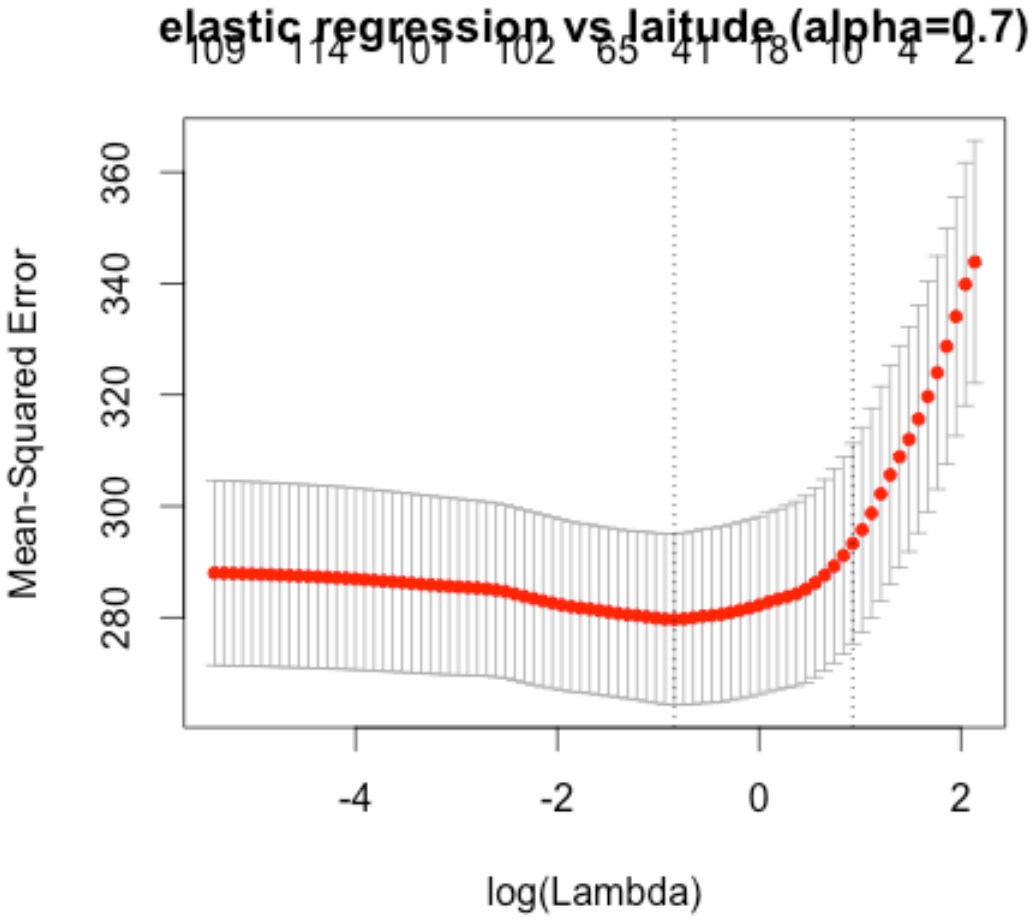
5.

Alpha: 0.3
Regularization lambda: 1.759575
Mean square error: 291.5686



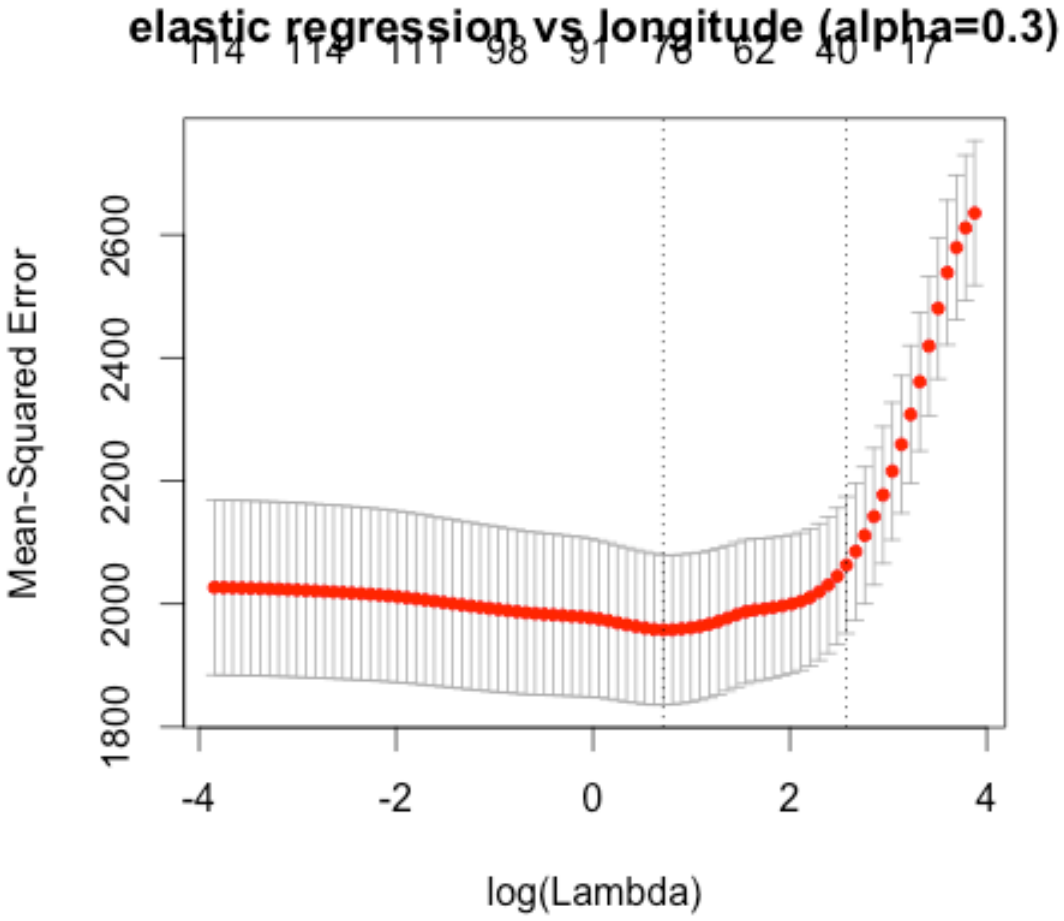
6.

Alpha: 0.5
Regularization Lambda: 1.395633
Mean square error: 292.7855



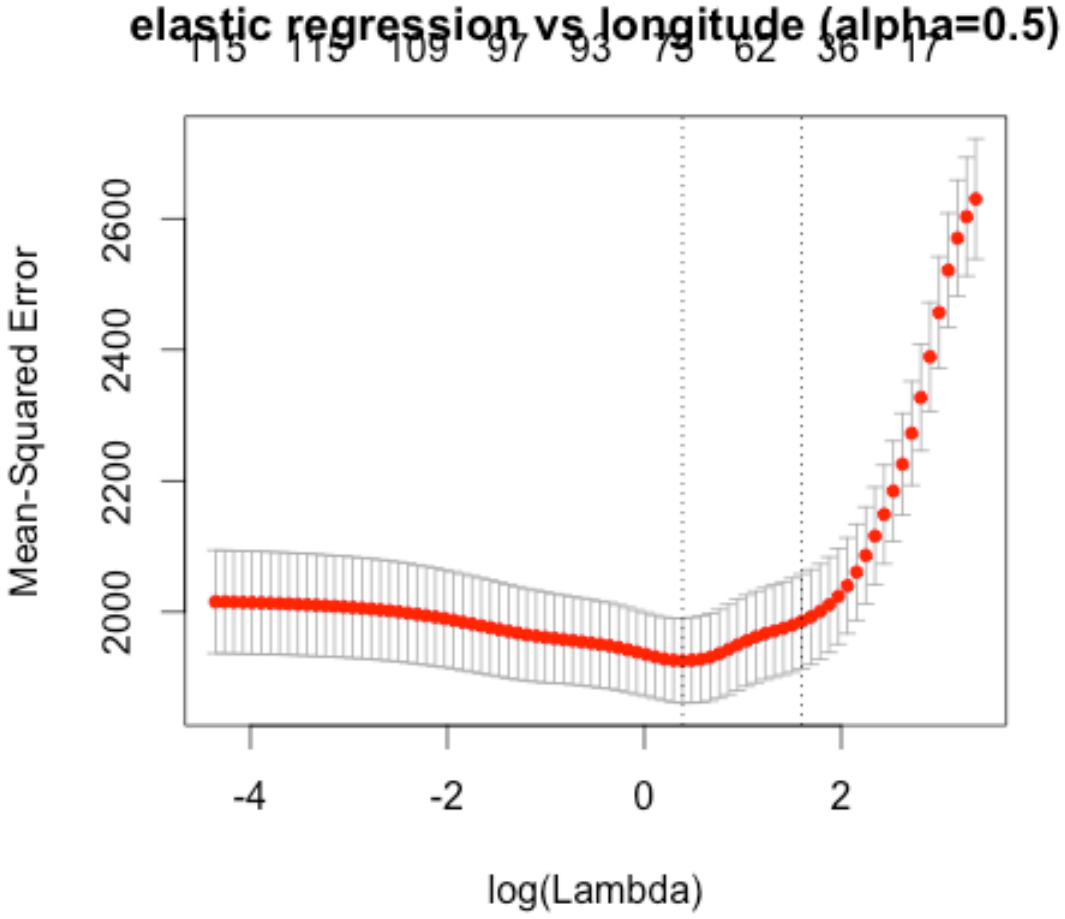
7.

Alpha: 0.7
Regularization Lambda: 0.9083207
Mean square error: 292.3115



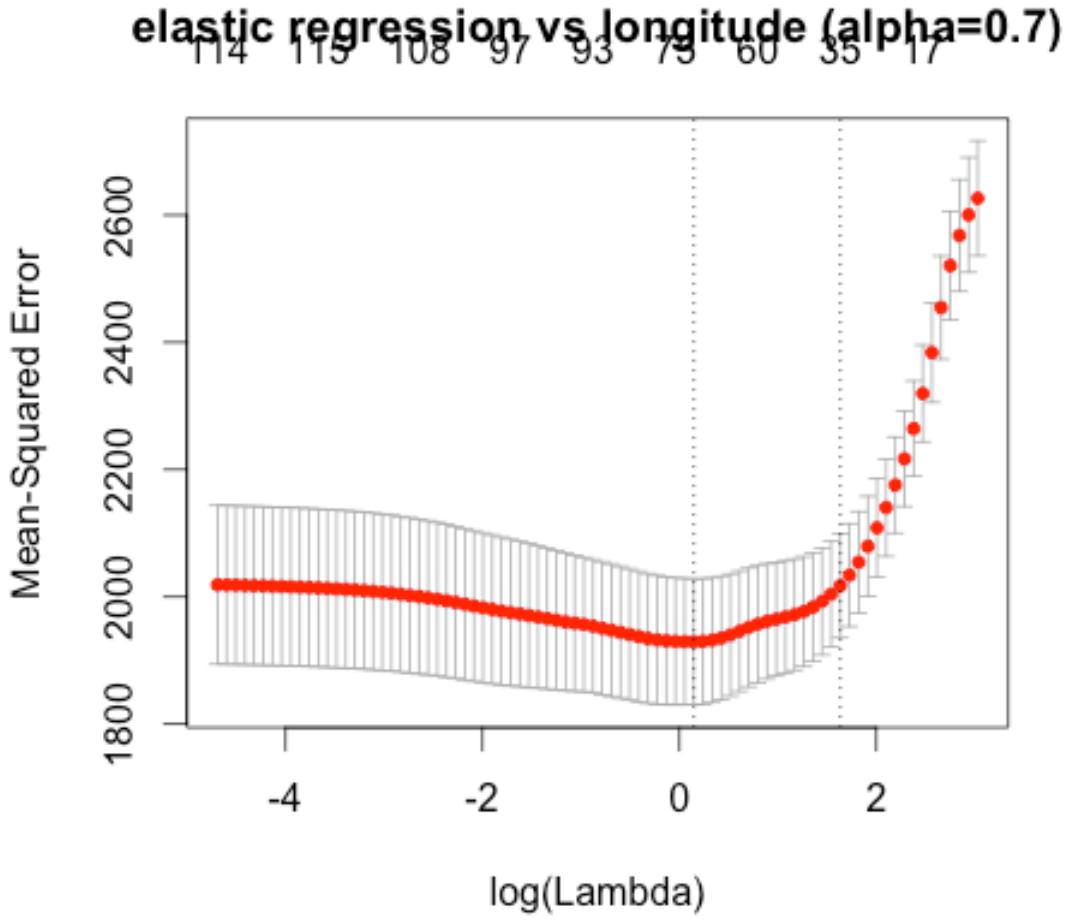
8.

Alpha: 0.3
Regularization Lambda: 2.025277
Mean square error: 1927.69



9.

Alpha: 0.5
Regularization Lambda: 1.463672
Mean square error: 1935.508



10.

Alpha: 0.7
Regularization Lambda: 1.147413
Mean square error: 1940.48

Conclusion: Each regularized regression performed better than the ones without regularization. Ridge worked better in both latitude and longtitude.