**Solutions Exercises class 5**

1. The prediction error with linear regression is 214926
2. You have to use some trial and error to find appropriate ranges for the alpha values. I found optimal alpha values of 3301 for lasso and 27 for ridge. The prediction error with lasso was 210943, and ridge 213472.
3. The neural network I created gave a prediction error of 136601. Of course, this was after only testing 10 combinations of hyperparameters, so maybe you can get a much better prediction!