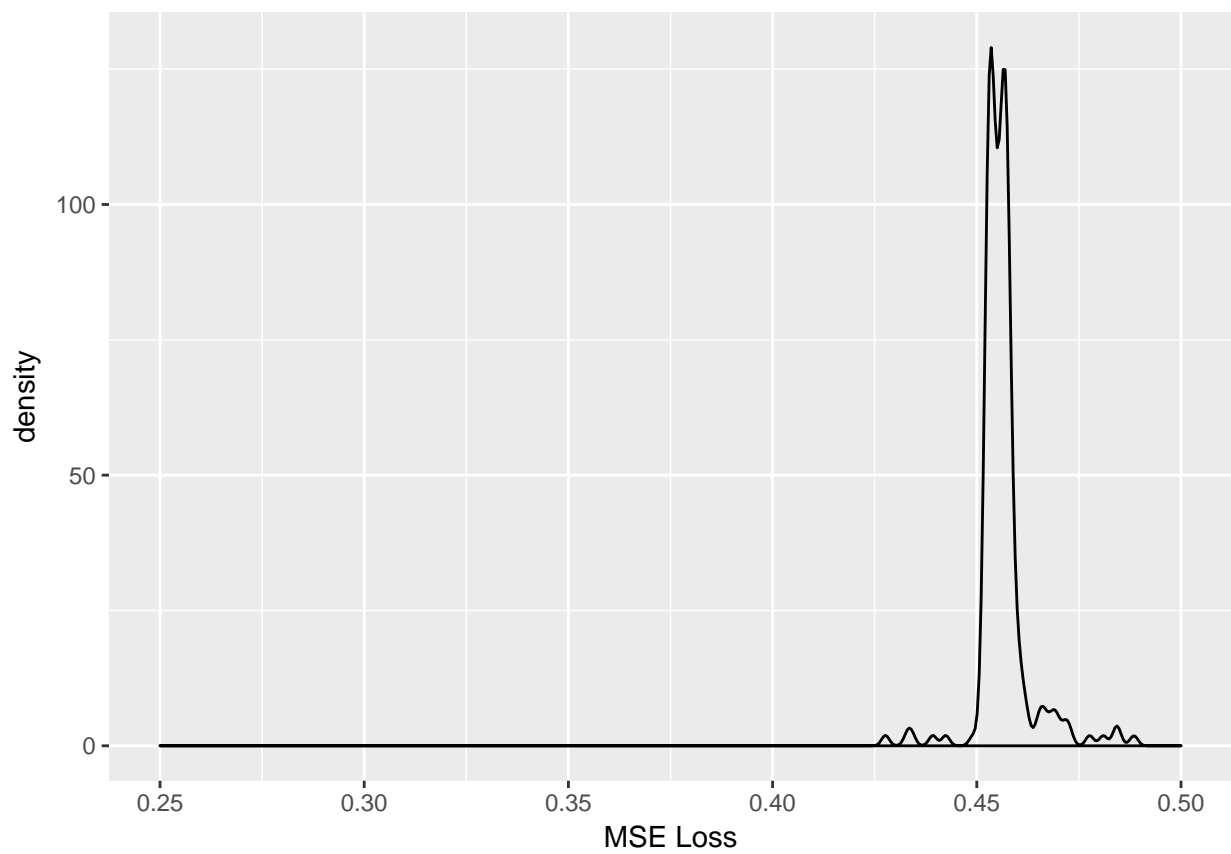
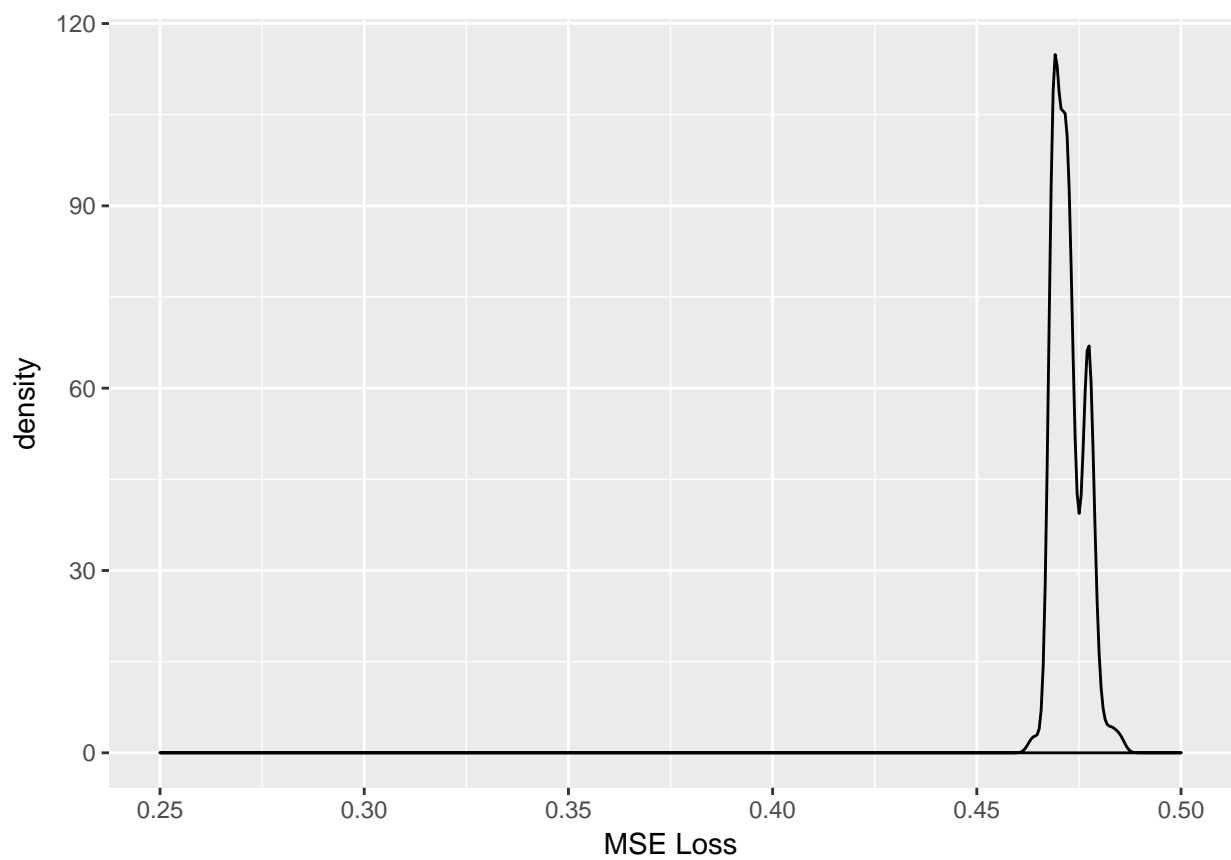


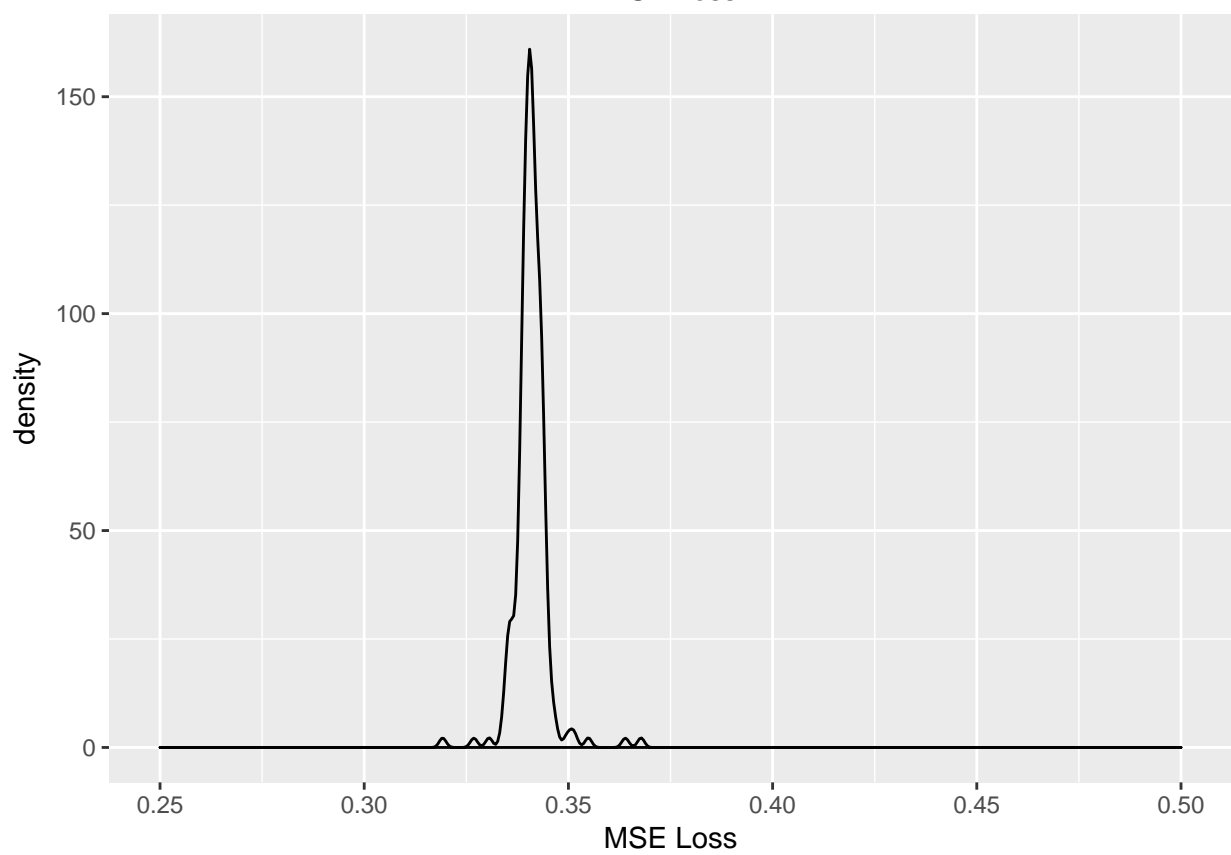
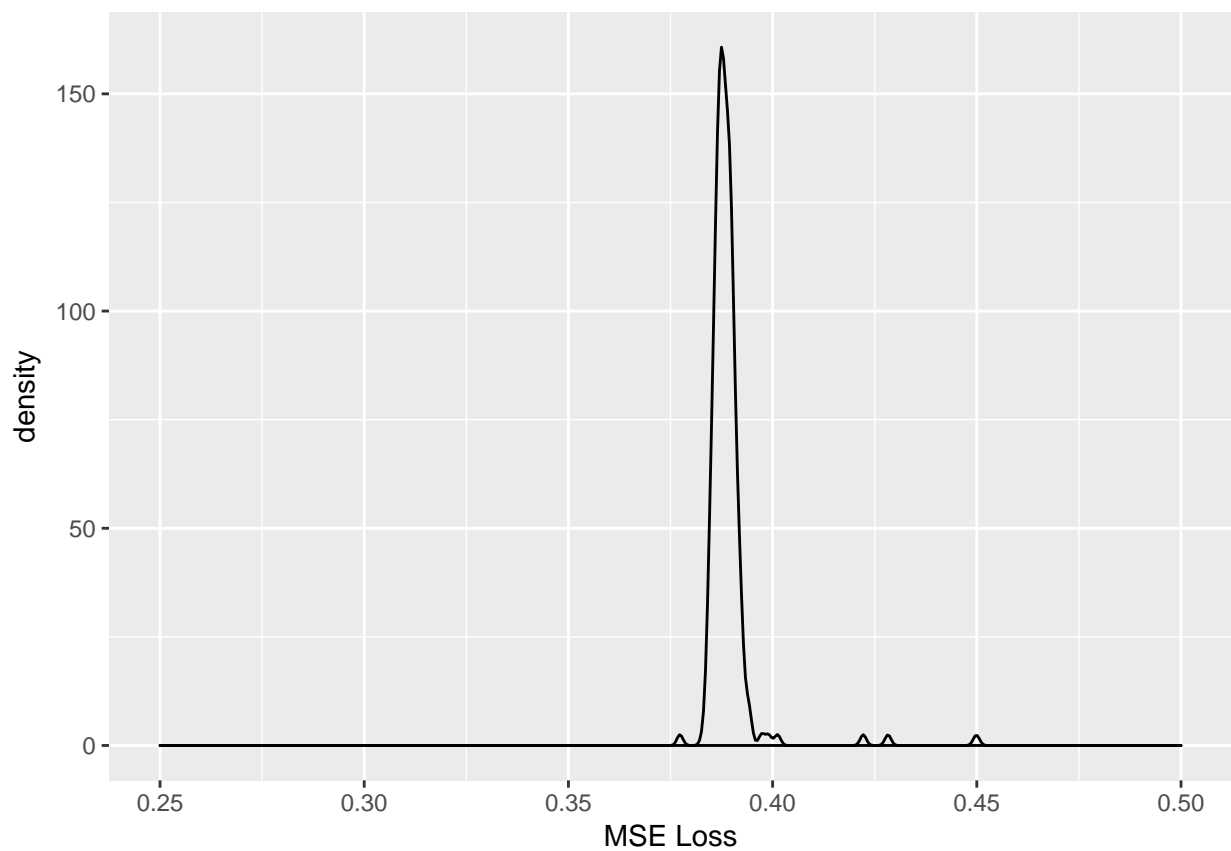
# Random Feature Selection

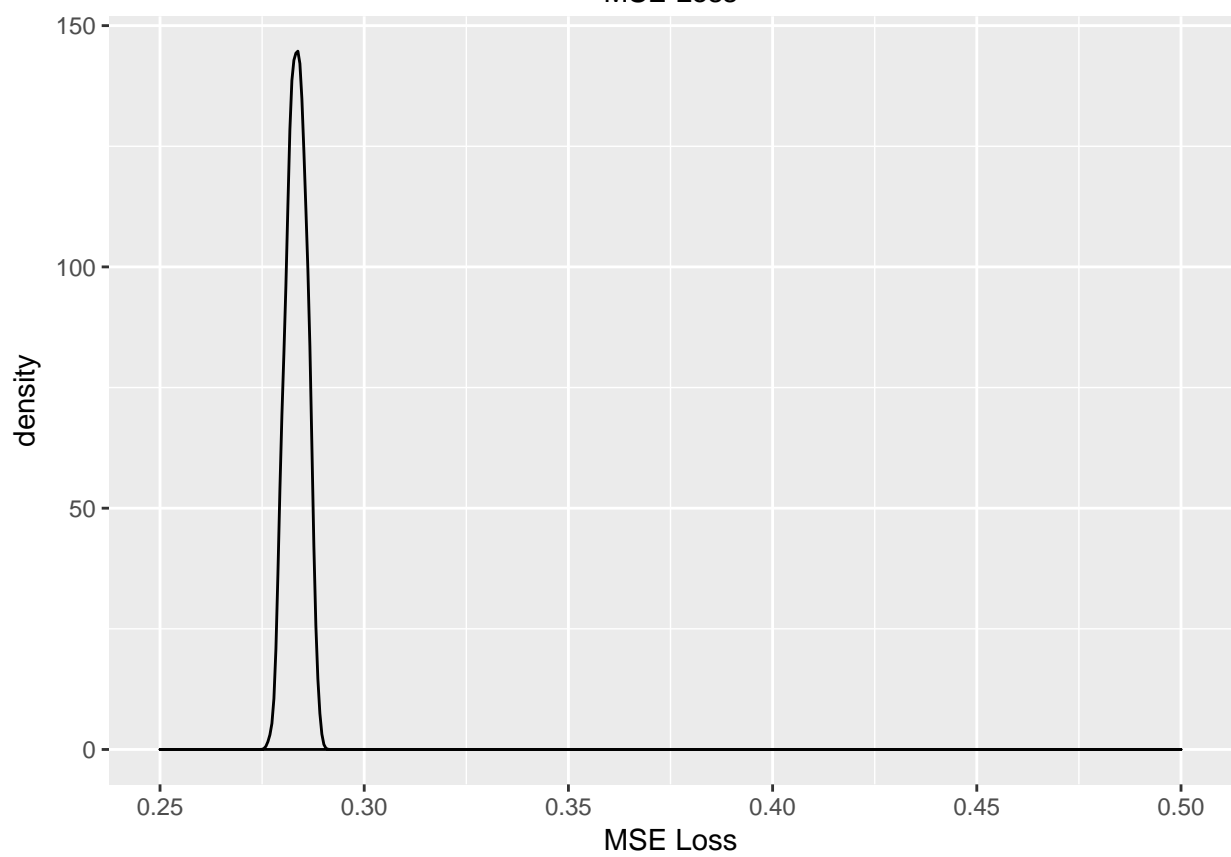
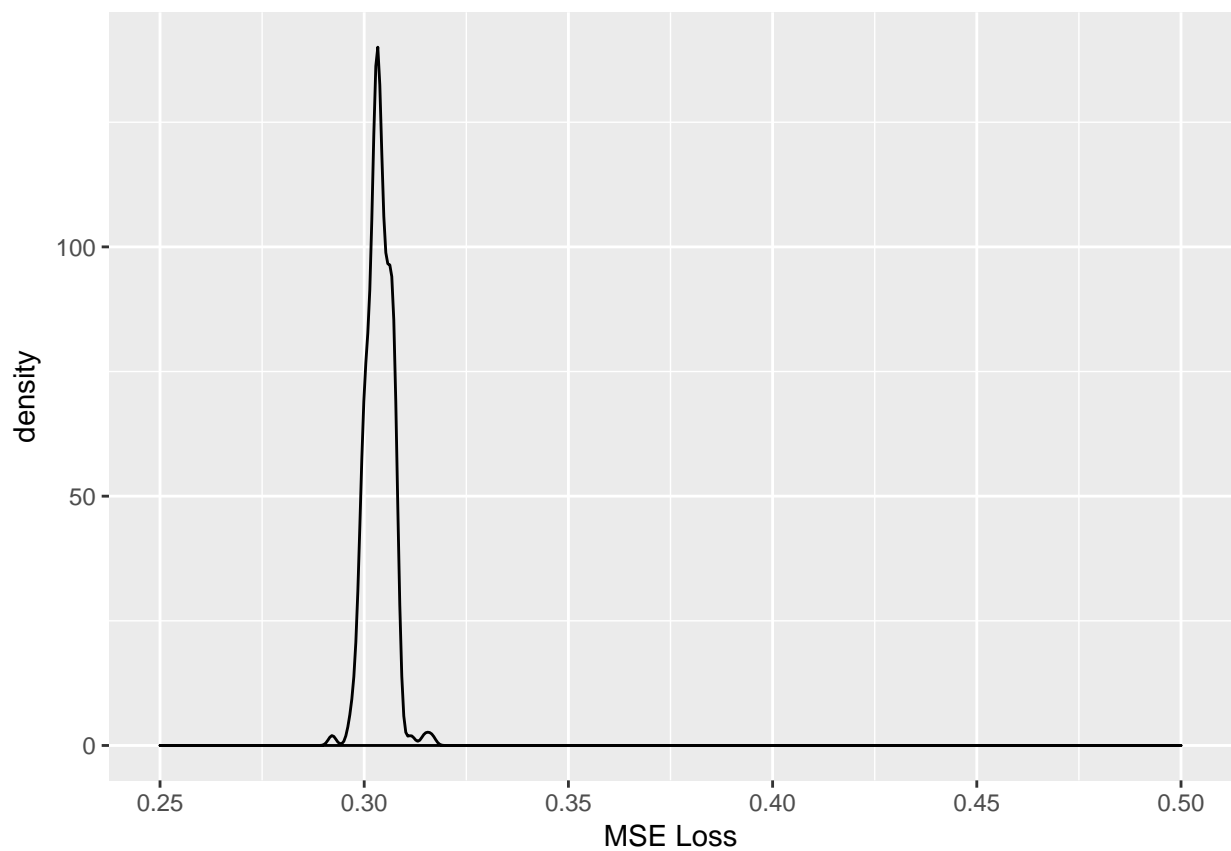
*5/28/2018*

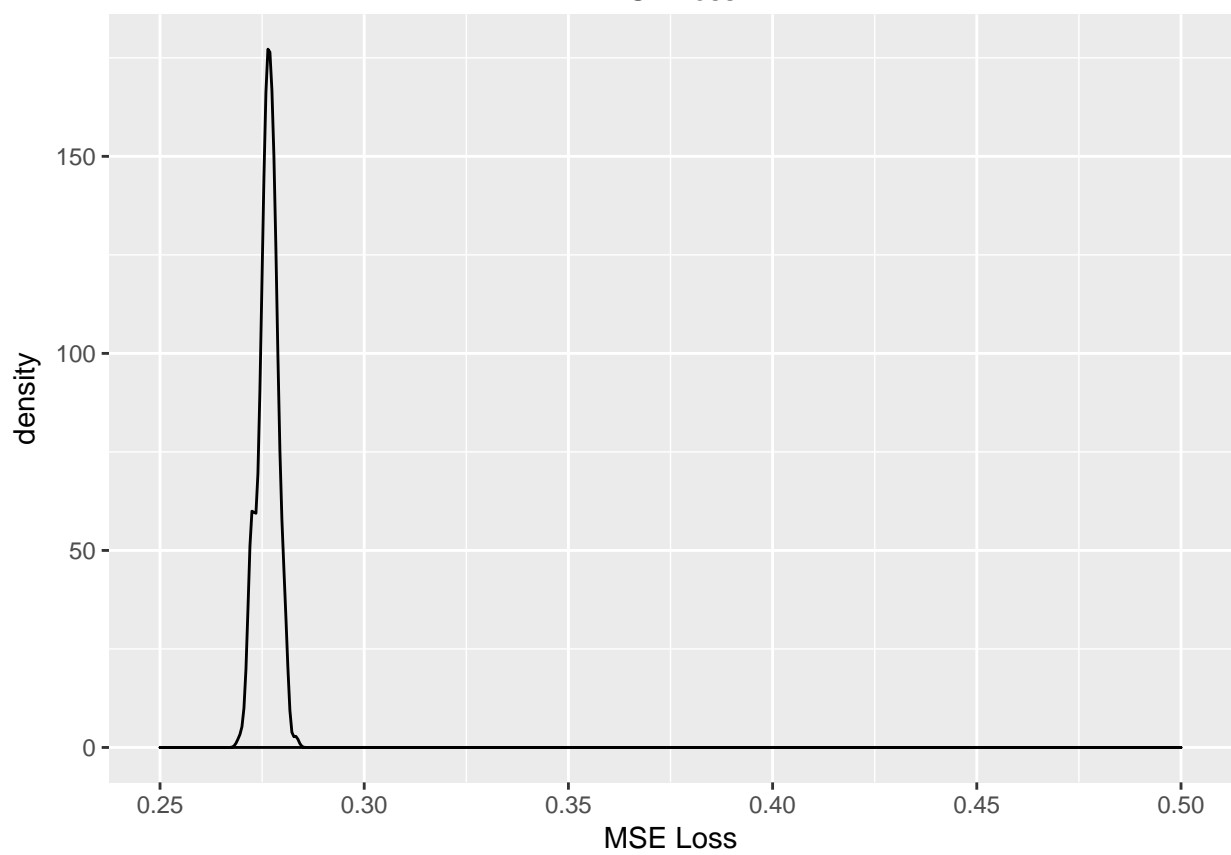
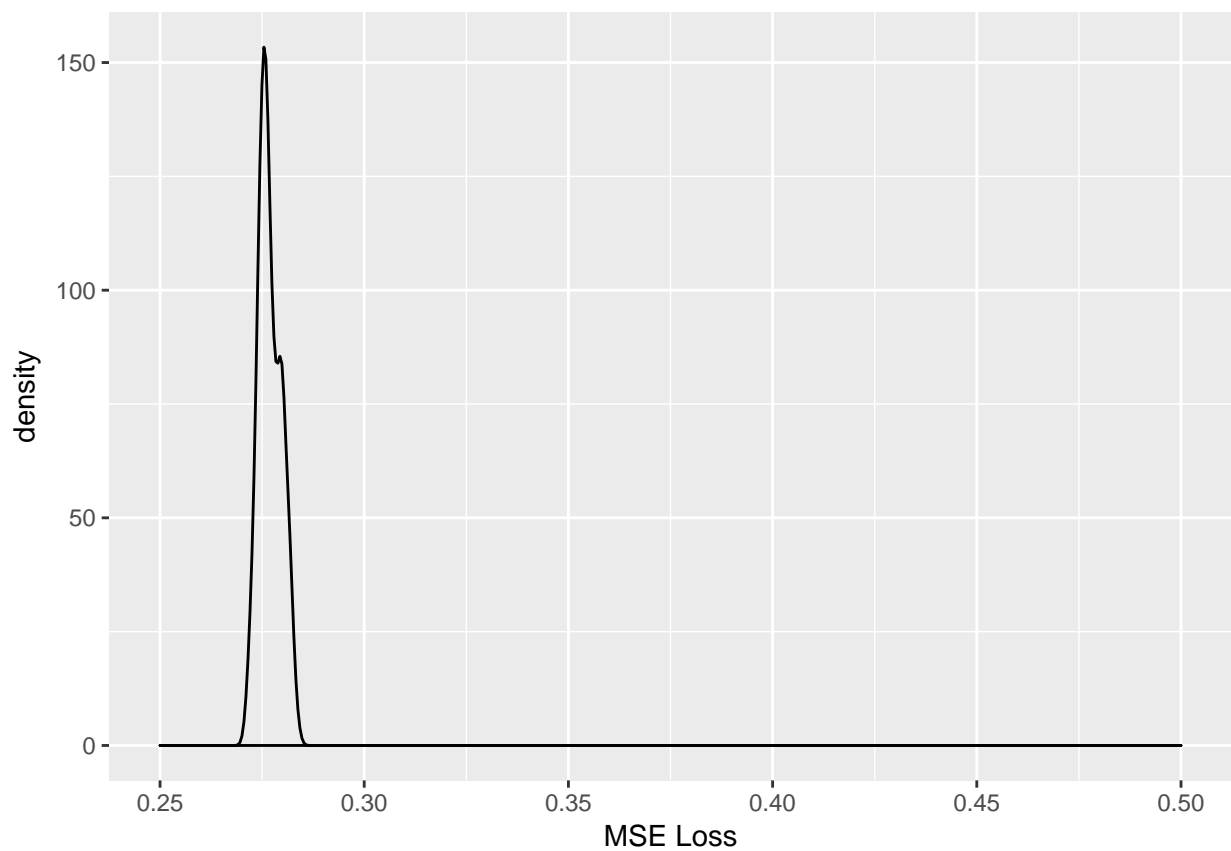
## **Data Analysis**

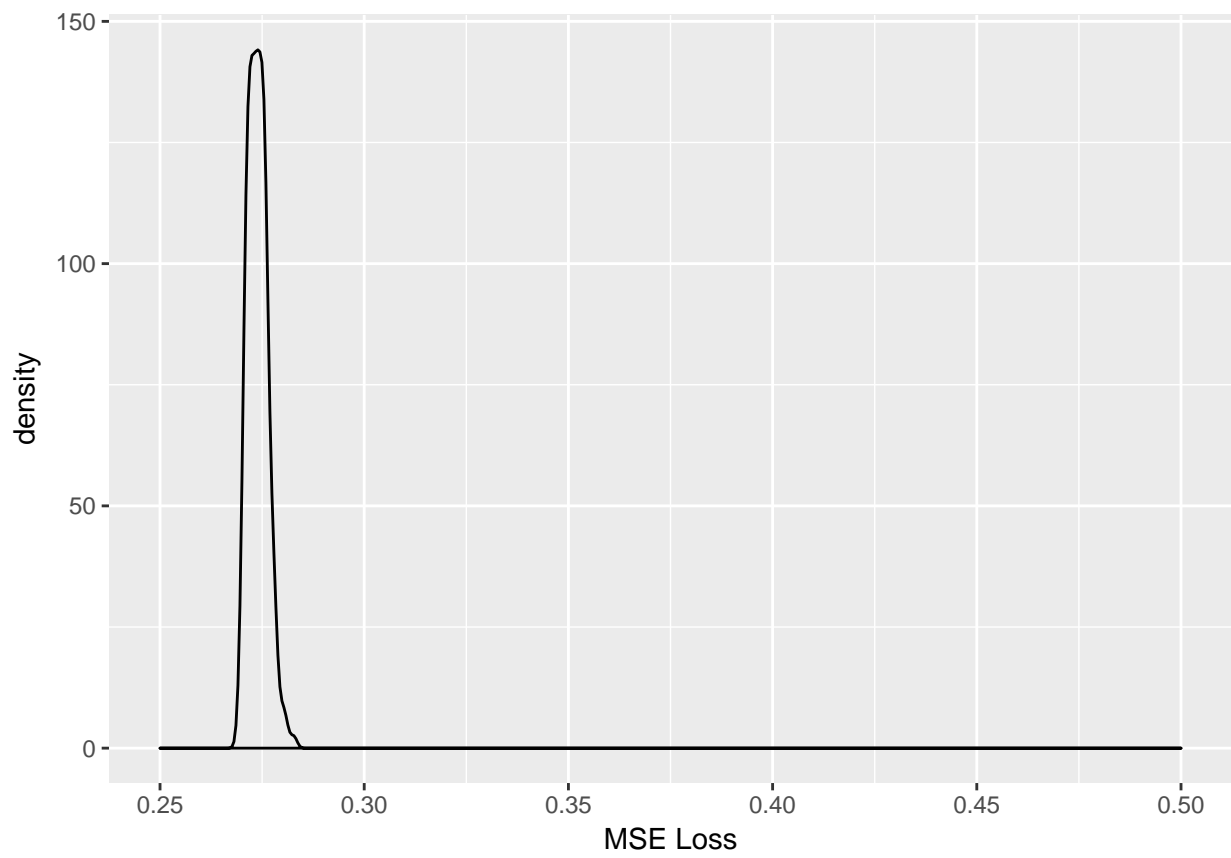
The following graphs are Density plots for MSE loss of model when  $K = 2, 4, 8, 16, 32, 64, 128, 256, 512$  random features are selected to learn the Encoded Layer from Contractive AutoEncoder. For each model about 50 combination of  $k$  features were randomly selected and feed to the model in order to learn the encoded layer of CAE. This results are not final. They'll be updated daily.











Error bar plot

