200301-EDA $_$ and $_$ model-yuqi

Yuqi Miao ym2771 3/1/2020

data and manipulation

$$\log(\frac{\pi_i}{1-\pi_i}) = \mathbf{x}_i \boldsymbol{\beta}$$

validation using glm

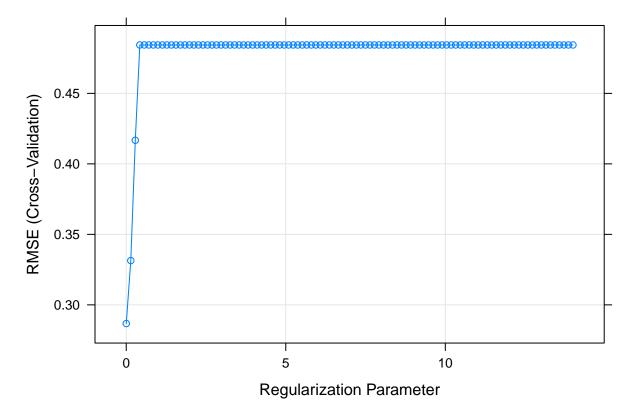
questions or modify:

- 1. normalize or standardize?
- 2. how to standardize easily?

instead of using MSE, using pearson chi-square

validation

1



```
min(lasso.fit$results$RMSE)
```

```
## [1] 0.2867455
```

```
co=coef(lasso.fit$finalModel,lasso.fit$bestTune$lambda)
co2=co@x

names(co2)=co@Dimnames[[1]]
co2 %>% as.data.frame() %>% knitr::kable()
```

(Intercept)	-1.5315370
texture_mean	0.0216265
perimeter_mean	0.0156391
area_mean	-0.0007061
$smoothness_mean$	2.3356763
compactness_mean	-1.2677496
concavity_mean	0.2262630
concave points_mean	6.1420082
symmetry_mean	1.0106152
$fractal_dimension_mean$	-1.3592103