```
> coef(model_ridge)
15 x 1 sparse Matrix of class "dgCMatrix"
                              s0
(Intercept)       -52521.413997
(Intercept)           .
highwaympg            33.695113
citympg              -55.411996
peakrpm                1.433091
horsepower            50.342830
compressionratio    202.774111
stroke             -2179.591382
bore                -504.192996
enginesize            90.287572
curbweight             2.073589
height               152.271556
width                525.062090
length               -18.370088
wheelbase             39.219352
```

**#we can see that compared to other variables, "peakrpm", "curbweight" were shrink(roughly) to zero**

```
> coef(model_lasso)
15 x 1 sparse Matrix of class "dgCMatrix"
                              s0
(Intercept)       -56268.890897
(Intercept)           .
highwaympg            .
citympg               .
peakrpm                1.593027
horsepower            38.898365
compressionratio    184.045835
stroke             -2095.917630
bore                  .
enginesize           120.525882
curbweight             0.581188
height               208.862026
width                518.480814
length                .
wheelbase             .
```

**#we can see that only 8 variables have non-zero coefficients. The coefficients of all other variables have been set to zero by the lasso algorithm, reducing the complexity of the model**