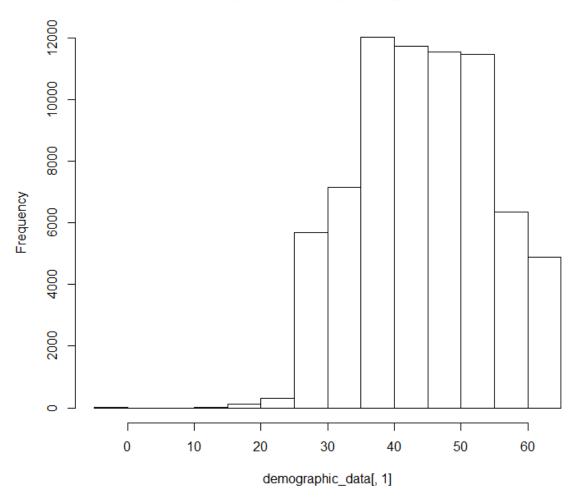
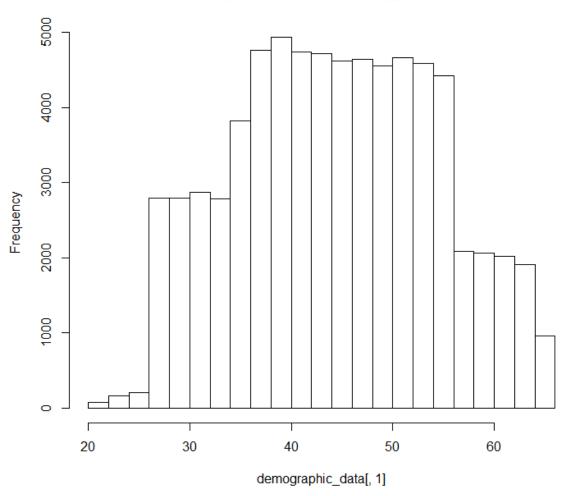
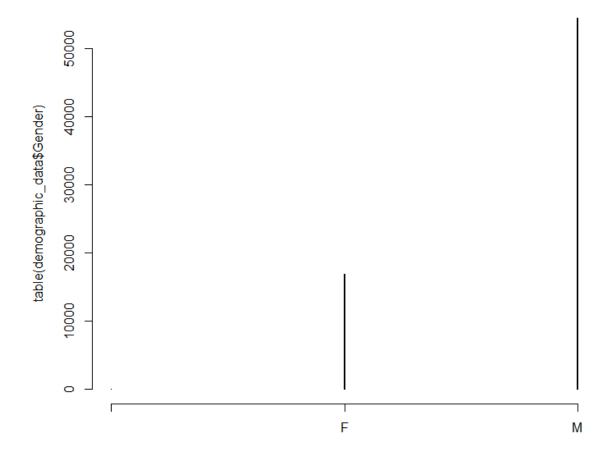
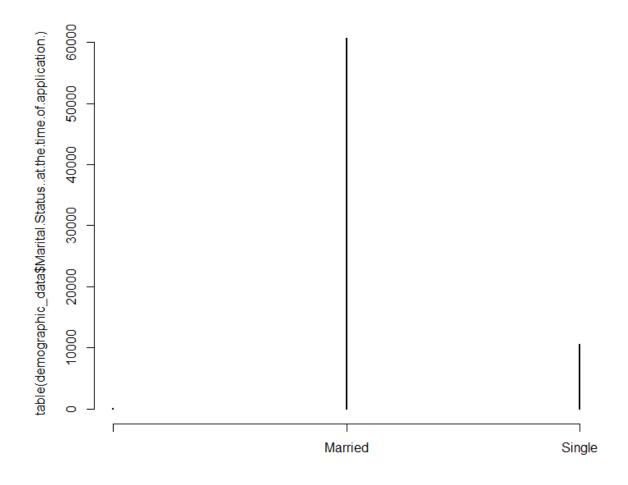
## Histogram of demographic\_data[, 1]

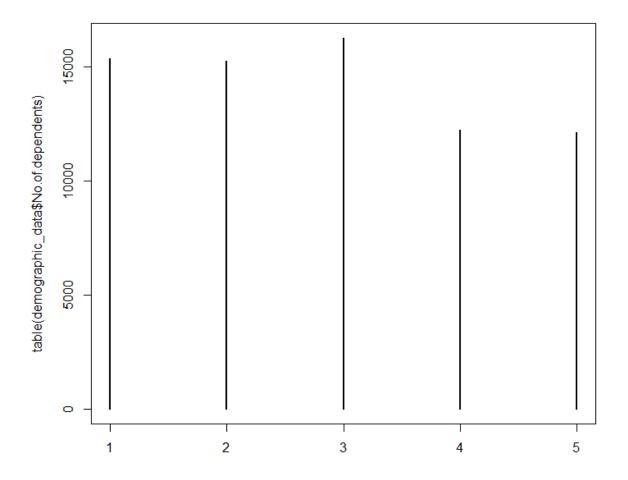


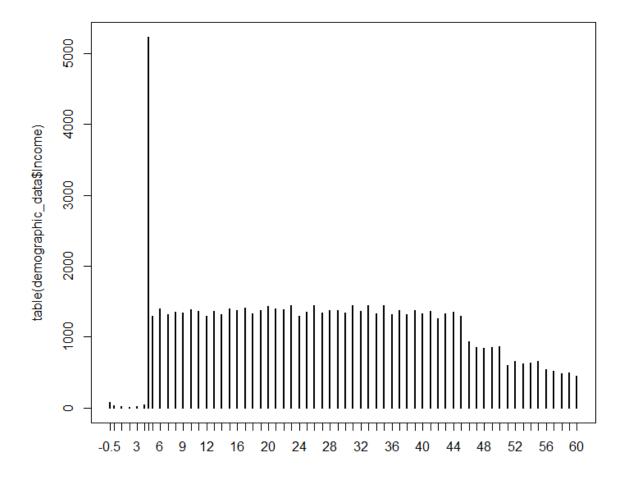
## Histogram of demographic\_data[, 1]

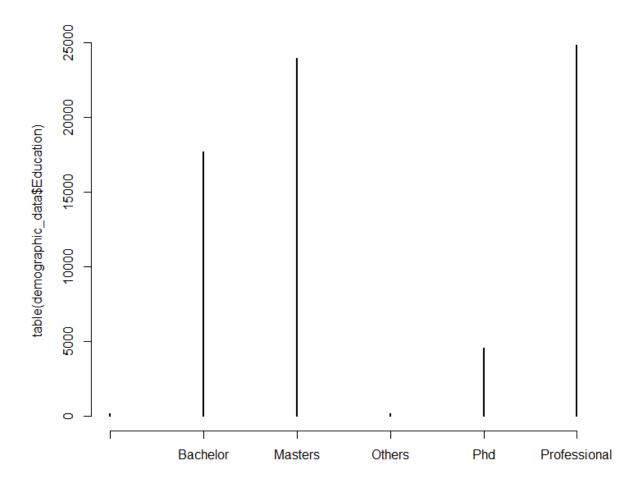


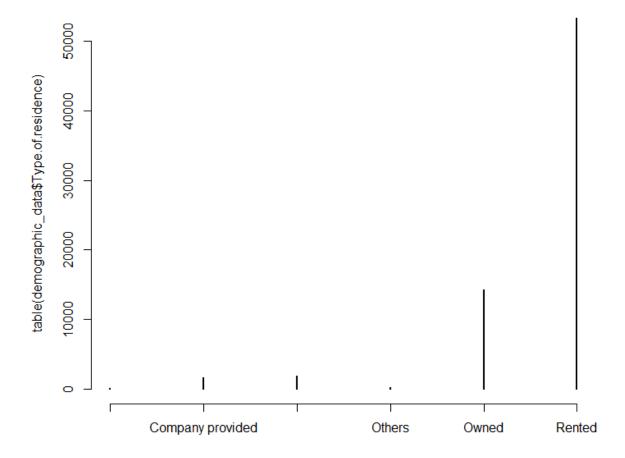


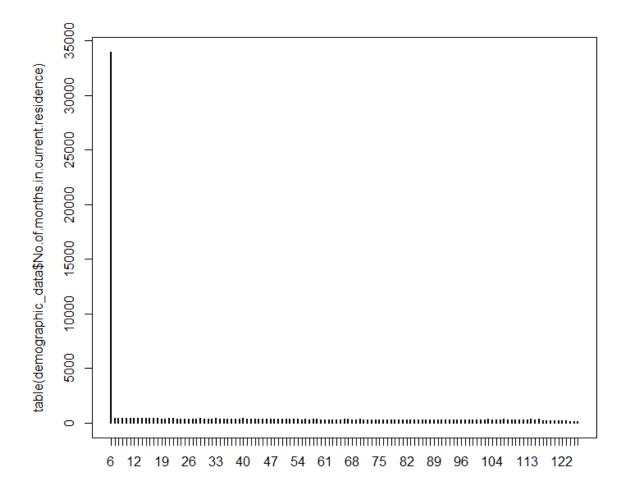


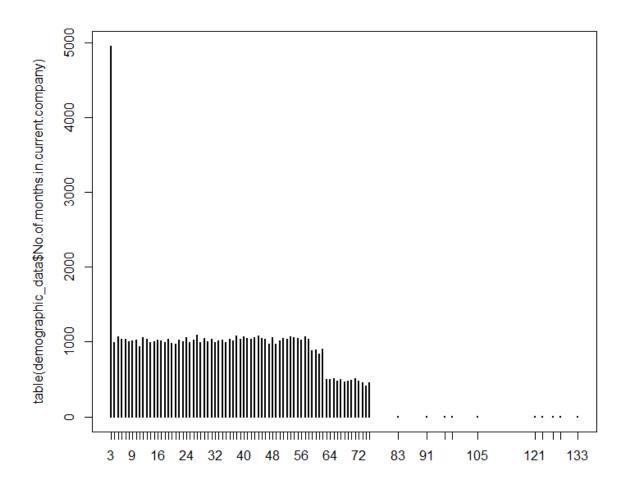






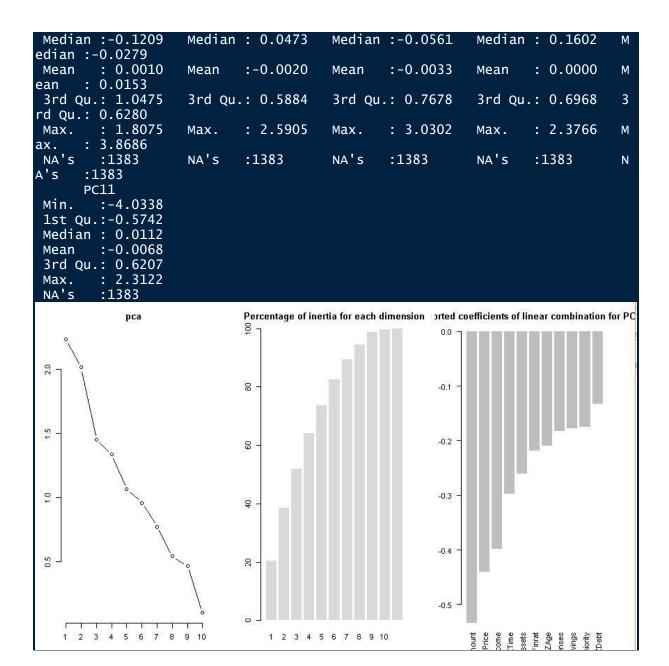


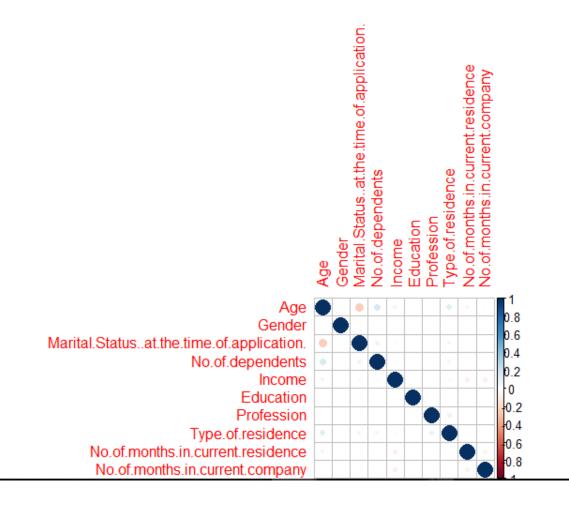




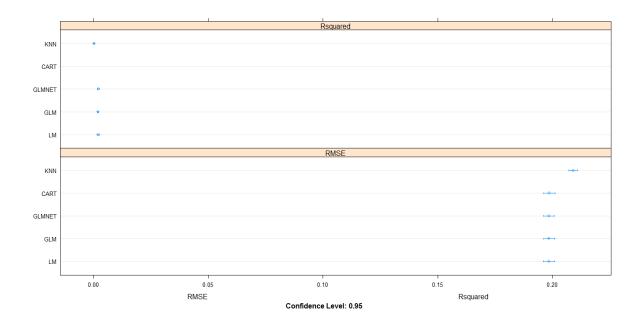
## PCA:

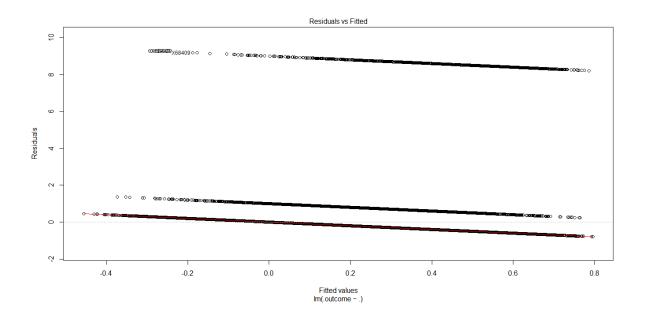
PC1	PC2		PC3		PC4		
PC5	na i u	- 2 0074	10 d	. 4 7200	Na.2	. 4 0020	
Min. :-2.8961 in. :-3.2681	Min.	:-3.9874	Min.	:-4.7208	Min.	:-4.9028	М
1st Qu.:-0.8613	1st Qu.	:-0.7380	1st Qu.	.:-0.7754	1st Qu.	.:-0.6461	1
st Qu.:-0.5081							
Median :-0.1899	Median	:-0.0294	Median	: 0.0213	Median	:-0.0379	M
edian : 0.0288 Mean :-0.0041	Mean	:-0.0064	Mean	:-0.0040	Mean	: 0.0037	М
ean :-0.0008	меан	0.0004	меан	0.0040	меан	. 0.0037	I۷I
3rd Qu.: 0.6845	3rd Qu.	: 0.6766	3rd Qu.	.: 0.7560	3rd Qu.	.: 0.7071	3
rd Qu.: 0.8474							
Max. : 5.0687	Max.	: 4.3789	Max.	: 3.2214	Max.	: 3.2087	М
ax. : 1.9672 NA's :1383	NA's	:1383	NA's	:1383	NA's	:1383	N
A's :1383	INA 3	.1303	NA 3	.1303	NA 3	.1303	IN
PC6	PC	7	PC	28	PC	<b>-</b> 9	
PC10							
Min. :-4.4140	Min.	:-4.9783	Min.	:-1.8446	Min.	:-5.3752	М
in. :-2.6934 1st Qu.:-0.6247	1ct Ou	:-0.4104	1st Ou	.:-0.7792	1st Ou	.:-0.5644	1
st Qu.:-0.6247	ist Qu.	. 0.4104	ısı Qu.		±st Qu.		

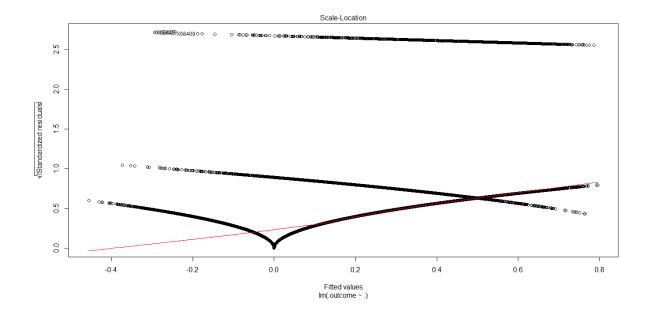


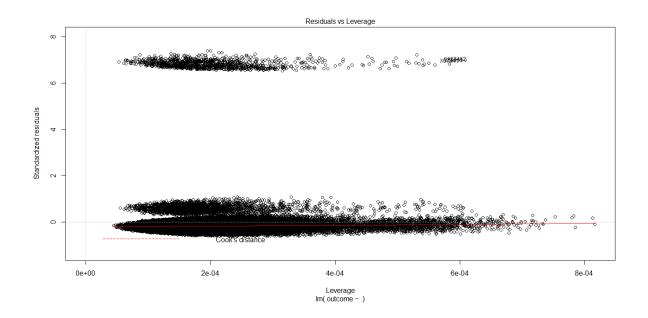


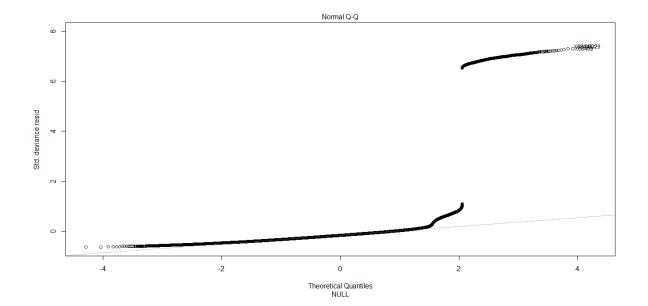
```
Call:
summary.resamples(object = results)
Models: LM, GLM, GLMNET, CART, KNN
Number of resamples: 30
RMSE
                                     Mean 3rd Qu.
           Min. 1st Qu. Median
                                                        Max. NA's
                                             0.2046 0.2121
                  0.1946 0.1973 0.1985
                                                                  0
LM
        0.1841
GLM
                  0.1962 0.1980 0.1985
                                                                  0
        0.1816
                                             0.2040 0.2092
                  0.1950 0.1994 0.1985
                                             0.2039
                                                                  0
GLMNET 0.1851
                                                     0.2079
                  0.1947 0.1975 0.1987
                                             0.2048
                                                                  0
CART
        0.1844
                                                     0.2122
KNN
        0.1980
                  0.2054 0.2083 0.2090
                                             0.2138 0.2172
                                                                  0
Rsquared
        Min. 1st Qu. Median Mean 3rd Qu. Max. 1.004e-04 0.001226 0.0018780 0.0020420 0.0027440 0.005301 5.034e-04 0.001337 0.0016990 0.0019090 0.0021450 0.003849
                                                                         Max. NA's
LM
                                                                                   0
                                                                                   0
GLMNET 8.579e-07 0.001534 0.0022270 0.0021060 0.0027140 0.003925
                                                                                   0
CART
                 NA
                           NA
                                        NA
                                                   NaN
                                                                NA
                                                                                  30
                                                                           NA
```

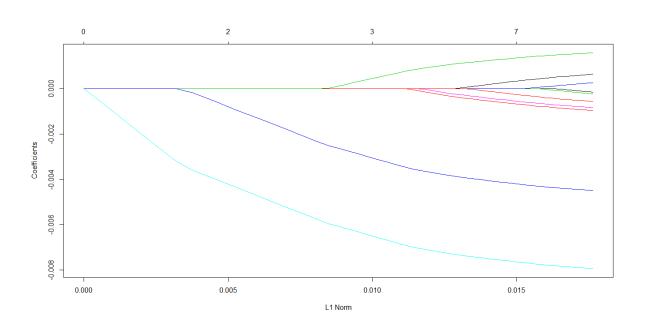






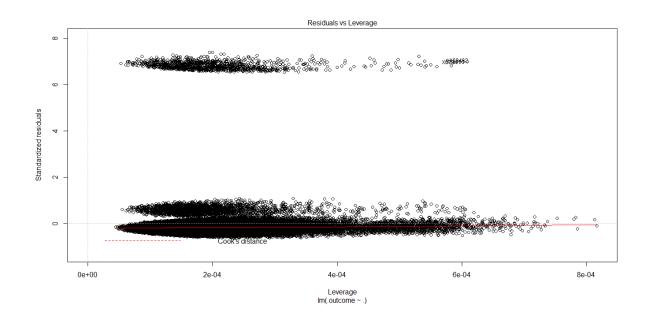


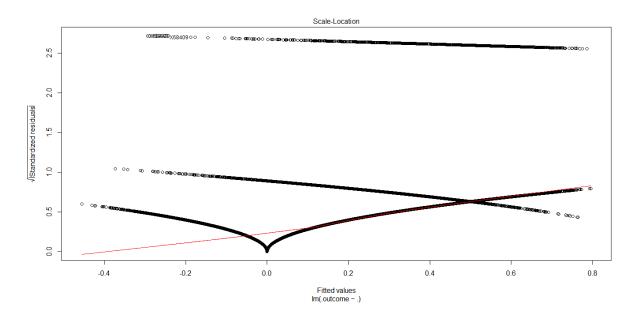


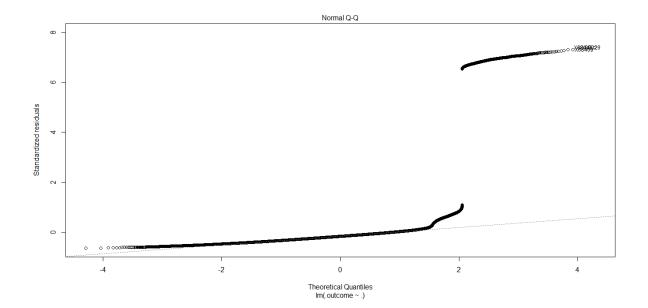


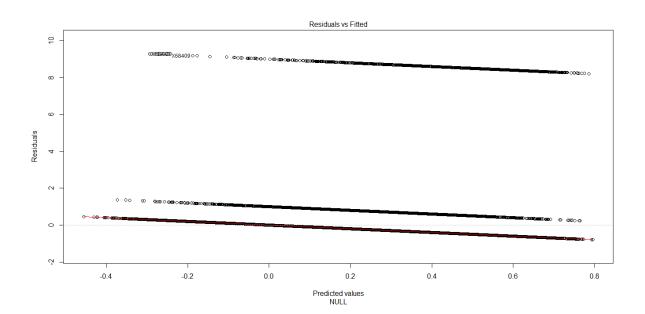
```
summary.resamples(object = results)
Models: LM, GLM, GLMNET, CART
Number of resamples: 30
RMSE
                                                                   Max. NA's
1 386 0
          Min. 1st Qu. Median Mean
1.1400 1.2010 1.2690 1.2560
                                              Mean 3rd Qu.
                                                       1.2970 1.386
LM
                      1.2310 1.2620 1.2560
0.1946 0.1973 0.1985
1.2130 1.2840 1.2710
GLM
                                                       1.2950 1.344
0.2046 0.212
          1.1400
                                                                                0
GLMNET 0.1841
                                                                                0
                                                        1.3150 1.407
                                                                                0
CART
          1.1510
```

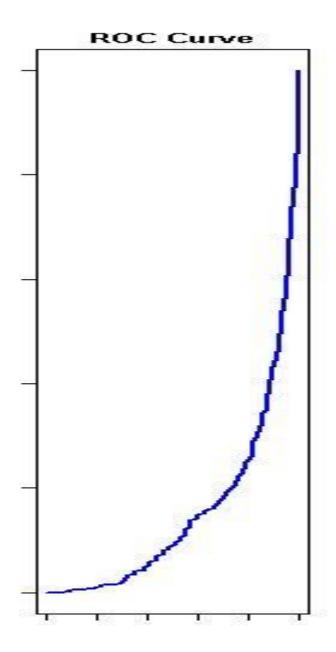
Rsquared							
	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
LM	0.0176700	0.021880	0.023370	0.023860	0.026080	0.031590	0
GLM	0.0184000	0.021870	0.023300	0.023840	0.026520	0.029170	0
GLMNET	0.0001382	0.001303	0.002137	0.002144	0.002784	0.005891	0











```
summary.resamples(object = results)
Models: LM, GLM, GLMNET, CART
Number of resamples: 30
RMSE
        Min. 1st Qu. Median Mean 3rd Qu. Max. NA's 1.1400 1.2010 1.2690 1.2560 1.2970 1.386 0
LM
        1.1400 1.2310 1.2620 1.2560 1.2950 1.344
                                                            0
GLM
GLMNET 0.1841 0.1946 0.1973 0.1985 0.2046 0.212
                                                            0
CART
       1.1510 1.2130 1.2840 1.2710 1.3150 1.407
                                                            0
Rsquared
             Min. 1st Qu.
                               Median
                                            Mean 3rd Qu.
                                                                Max. NA's
LM
        0.0176700 0.021880 0.023370 0.023860 0.026080 0.031590
                                                                         0
GLM
        0.0184000\ 0.021870\ 0.023300\ 0.023840\ 0.026520\ 0.029170
                                                                         0
GLMNET 0.0001382 0.001303 0.002137 0.002144 0.002784 0.005891
```

