

```

> summary(fit)
Deviance Residuals:
    Min       1Q   Median       3Q      Max
-1.1711  -0.2952  -0.2513  -0.2171   2.9916

Coefficients:
                Estimate Std. Error z value Pr(>|z|)
(Intercept)      -1.007645    0.304812  -3.306 0.000947 ***
ps_ind_01         0.011848    0.004444   2.666 0.007676 **
ps_ind_03         0.025935    0.003387   7.657 1.90e-14 ***
ps_ind_07_bin     0.244921    0.022504  10.883 < 2e-16 ***
ps_ind_08_bin     0.217278    0.024463   8.882 < 2e-16 ***
ps_ind_15        -0.025753    0.002556 -10.074 < 2e-16 ***
ps_ind_16_bin    -0.070022    0.022123  -3.165 0.001550 **
ps_ind_17_bin     0.313942    0.027311  11.495 < 2e-16 ***
ps_reg_01         0.261103    0.036761   7.103 1.22e-12 ***
ps_reg_02         0.082231    0.031882   2.579 0.009903 **
ps_car_11        -0.032082    0.010787  -2.974 0.002938 **
ps_car_15         0.049038    0.019814   2.475 0.013327 *
ps_calc_01        0.045118    0.028863   1.563 0.118009
ps_calc_02        0.049805    0.028886   1.724 0.084675 .
ps_calc_03        0.044494    0.028864   1.541 0.123195
ps_car_01_cat_6_7 -1.819786    0.263225  -6.913 4.73e-12 ***
ps_car_01_cat_3_4_5_10 -1.670967    0.263609  -6.339 2.32e-10 ***
ps_car_01_cat_0_1_2_8_11 -1.657348    0.263119  -6.299 3.00e-10 ***
ps_car_01_cat_9   -1.519993    0.265351  -5.728 1.01e-08 ***
ps_car_07_cat_null -0.208746    0.063233  -3.301 0.000963 ***
ps_car_07_cat_1   -0.252631    0.034104  -7.408 1.29e-13 ***
ps_car_11_cat_A   -0.130693    0.024309  -5.376 7.60e-08 ***
ps_car_11_cat_B    0.029203    0.024080   1.213 0.225236
ps_car_11_cat_C    0.220255    0.032874   6.700 2.08e-11 ***
ps_car_03_cat_1    0.086485    0.025115   3.444 0.000574 ***
ps_ind_04_cat_1    0.059475    0.018716   3.178 0.001484 **
ps_ind_02_cat_1   -0.106794    0.019541  -5.465 4.63e-08 ***
ps_ind_05_cat_0   -0.830516    0.054999 -15.101 < 2e-16 ***
ps_ind_05_cat_1_3_4_5_6 -0.385255    0.058723  -6.561 5.36e-11 ***
ps_car_04_cat_0_1_2_4 -0.025052    0.045173  -0.555 0.579192
ps_car_04_cat_3_8 -0.072792    0.052632  -1.383 0.166656
ps_car_09_cat_0_2_3 -0.216653    0.031571  -6.862 6.77e-12 ***
ps_reg_03_no_out   0.094452    0.039585   2.386 0.017030 *
ps_car_12_no_out   0.469490    0.282625   1.661 0.096678 .
ps_car_13_no_out   0.486788    0.099498   4.892 9.96e-07 ***
ps_car_14_no_out  -0.990258    0.301170  -3.288 0.001009 **
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

```

(Dispersion parameter for binomial family taken to be 1)

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Null deviance: 130989  on 416647  degrees of freedom
Residual deviance: 127566  on 416612  degrees of freedom
AIC: 127638

```

Number of Fisher Scoring iterations: 6

```
> metrics
      H      Gini      AUC      AUCH      KS      MER      MWL
scores 0.05065373 0.2545274 0.6272637 0.6287805 0.1837781 0.03593109 0.05656491
```

```
> roc
```

```
> roc
```

```
Call:
```

```
roc.default(response = dados.teste$target, predictor = dados.teste$pred)
```

```
Data: dados.teste$pred in 172146 controls (dados.teste$target 0) < 6418 cases
(dados.teste$target 1).
```

```
Area under the curve: 0.6273
```

```
> plot(roc)
```

