

Success Rate Prediction

Moderately Successful SR_20

```
##
## Call:
## glm(formula = SR ~ TA + H + NP + FA + TS + DS, family = "binomial",
##      data = lm_DF)
##
## Deviance Residuals:
##      Min       1Q   Median       3Q      Max
## -2.3815  -0.8734   0.1374   0.9146   2.0689
##
## Coefficients:
##              Estimate Std. Error z value Pr(>|z|)
## (Intercept)  1.109432   0.626711   1.770  0.07669 .
## TA          -0.019276   0.011943  -1.614  0.10652
## H             0.017874   0.006497   2.751  0.00594 **
## NP2          -1.240525   0.267395  -4.639 3.50e-06 ***
## NP3          -1.868526   0.304185  -6.143 8.11e-10 ***
## FA2          -0.118463   0.305720  -0.387  0.69839
## FA3           0.374901   0.541418   0.692  0.48866
## FA4           3.046521   0.783104   3.890  0.00010 ***
## FA5           0.549361   0.686068   0.801  0.42328
## FA6           1.505679   0.516930   2.913  0.00358 **
## TS2           0.395149   0.239192   1.652  0.09853 .
## DS2          -0.407399   0.261340  -1.559  0.11902
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## (Dispersion parameter for binomial family taken to be 1)
##
##      Null deviance: 558.65  on 402  degrees of freedom
## Residual deviance: 453.60  on 391  degrees of freedom
## AIC: 477.6
##
## Number of Fisher Scoring iterations: 5
```

Successful SR_30

```
##
## Call:
## glm(formula = SR ~ TA + H + RS + NP + FA + DWH + TS + DS, family = "binomial",
##      data = lm_DF)
##
## Deviance Residuals:
##      Min       1Q   Median       3Q      Max
## -1.9666  -0.7499  -0.4682   0.8009   2.4752
##
## Coefficients:
##              Estimate Std. Error z value Pr(>|z|)
## (Intercept)   1.310782   0.729660   1.796  0.07243 .
## TA            -0.027886   0.013203  -2.112  0.03467 *
## H              0.015209   0.006142   2.476  0.01329 *
## RS2           -0.402941   0.255856  -1.575  0.11528
## NP2           -1.029792   0.276937  -3.719  0.00020 ***
## NP3           -2.043547   0.369292  -5.534 3.14e-08 ***
## FA2           -0.242879   0.335335  -0.724  0.46889
## FA3           -0.084827   0.601628  -0.141  0.88787
## FA4            1.385549   0.507181   2.732  0.00630 **
## FA5            0.082085   0.792599   0.104  0.91751
## FA6            1.342090   0.509147   2.636  0.00839 **
## DWH2          -0.578448   0.380622  -1.520  0.12857
## TS2            0.407418   0.265909   1.532  0.12548
## DS2           -0.448631   0.297825  -1.506  0.13198
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## (Dispersion parameter for binomial family taken to be 1)
##
##      Null deviance: 495.86  on 402  degrees of freedom
## Residual deviance: 396.93  on 389  degrees of freedom
## AIC: 424.93
##
## Number of Fisher Scoring iterations: 4
```

Highly Successful SR_50

```
##
## Call:
## glm(formula = SR ~ E + AV + Task + H + BF + NP + FA + PR + DS,
##      family = "binomial", data = lm_DF)
##
## Deviance Residuals:
##      Min       1Q   Median       3Q      Max
## -1.7456  -0.5416  -0.3385  -0.1819   3.0842
##
## Coefficients:
##              Estimate Std. Error z value Pr(>|z|)
## (Intercept) -2.349521   1.528009  -1.538  0.12414
## E            -0.257018   0.081684  -3.146  0.00165 **
## AV             0.070176   0.034171   2.054  0.04001 *
## Task          0.074570   0.046684   1.597  0.11019
## H              0.018070   0.007472   2.418  0.01560 *
## BF2            0.715502   0.334340   2.140  0.03235 *
## NP2           -1.030998   0.353445  -2.917  0.00353 **
## NP3           -2.346719   0.530585  -4.423 9.74e-06 ***
## FA2           -0.370379   0.466132  -0.795  0.42686
## FA3            1.243962   0.636284   1.955  0.05058 .
## FA4            1.212161   0.580089   2.090  0.03665 *
## FA5            0.064775   1.157286   0.056  0.95536
## FA6            1.541473   0.529097   2.913  0.00358 **
## PR2           -1.431195   0.640805  -2.233  0.02552 *
## PR3           -1.822639   0.662316  -2.752  0.00592 **
## PR4           -1.270992   0.606813  -2.095  0.03621 *
## PR5           -1.663969   0.623994  -2.667  0.00766 **
## DS2           -0.564842   0.333251  -1.695  0.09009 .
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## (Dispersion parameter for binomial family taken to be 1)
##
##      Null deviance: 352.78  on 402  degrees of freedom
## Residual deviance: 268.31  on 385  degrees of freedom
## AIC: 304.31
##
## Number of Fisher Scoring iterations: 6
```