

Grantsmanship Models

Successful Grantsmanship

```
##
## Call:
## glm(formula = SR ~ NP + DS + H + FA + TA, family = "binomial",
##      data = lm_DF)
##
## Deviance Residuals:
##      Min       1Q   Median       3Q      Max
## -2.0417  -0.7889  -0.4860   0.8675   2.5292
##
## Coefficients:
##              Estimate Std. Error z value Pr(>|z|)
## (Intercept)  1.061692   0.616950   1.721 0.085274 .
## NP2          -1.058489   0.273260  -3.874 0.000107 ***
## NP3          -2.116194   0.364541  -5.805 6.43e-09 ***
## DS2          -0.708862   0.264606  -2.679 0.007386 **
## H              0.015509   0.006084   2.549 0.010806 *
## FA2          -0.161031   0.329344  -0.489 0.624880
## FA3          -0.001807   0.592027  -0.003 0.997564
## FA4           1.316337   0.504125   2.611 0.009024 **
## FA5           0.057120   0.788450   0.072 0.942247
## FA6           1.506769   0.490554   3.072 0.002129 **
## TA           -0.030411   0.013047  -2.331 0.019761 *
## ---
## 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: 404.38  on 392  degrees of freedom
## AIC: 426.38
##
## Number of Fisher Scoring iterations: 5
```

Highly Successful Grantsmanship

```
##
## Call:
## glm(formula = SR ~ NP + FA + H + E + BF + DS + AC + PR, family = "binomial",
##      data = lm_DF)
##
## Deviance Residuals:
##      Min       1Q   Median       3Q      Max
## -1.7804  -0.5652  -0.3373  -0.1853   3.0361
##
## Coefficients:
##              Estimate Std. Error z value Pr(>|z|)
## (Intercept) -0.401126   0.866185  -0.463   0.64330
## NP2          -1.090248   0.350141  -3.114   0.00185 **
## NP3          -2.320346   0.530839  -4.371 1.24e-05 ***
## FA2          -0.331883   0.465450  -0.713   0.47582
## FA3           1.150949   0.637401   1.806   0.07097 .
## FA4           1.217326   0.570722   2.133   0.03293 *
## FA5          -0.079129   1.143931  -0.069   0.94485
## FA6           1.523960   0.522836   2.915   0.00356 **
## H              0.019637   0.007385   2.659   0.00784 **
## E            -0.239514   0.080540  -2.974   0.00294 **
## BF2           0.777168   0.330880   2.349   0.01883 *
## DS2          -0.624192   0.331079  -1.885   0.05939 .
## AC            0.071610   0.034170   2.096   0.03611 *
## PR2          -1.421208   0.633325  -2.244   0.02483 *
## PR3          -1.751765   0.656173  -2.670   0.00759 **
## PR4          -1.240427   0.600665  -2.065   0.03891 *
## PR5          -1.587982   0.618220  -2.569   0.01021 *
## ---
## 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: 271.07  on 386  degrees of freedom
## AIC: 305.07
##
## Number of Fisher Scoring iterations: 6
```