Effect of rest on soccer and tennis match outcomes

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```r
library(ggplot2)
```

Introduction

Methods

Results

Simple Poisson GLM

From simpleGlm.R

Table 1: Generalized Linear Models with Poisson link

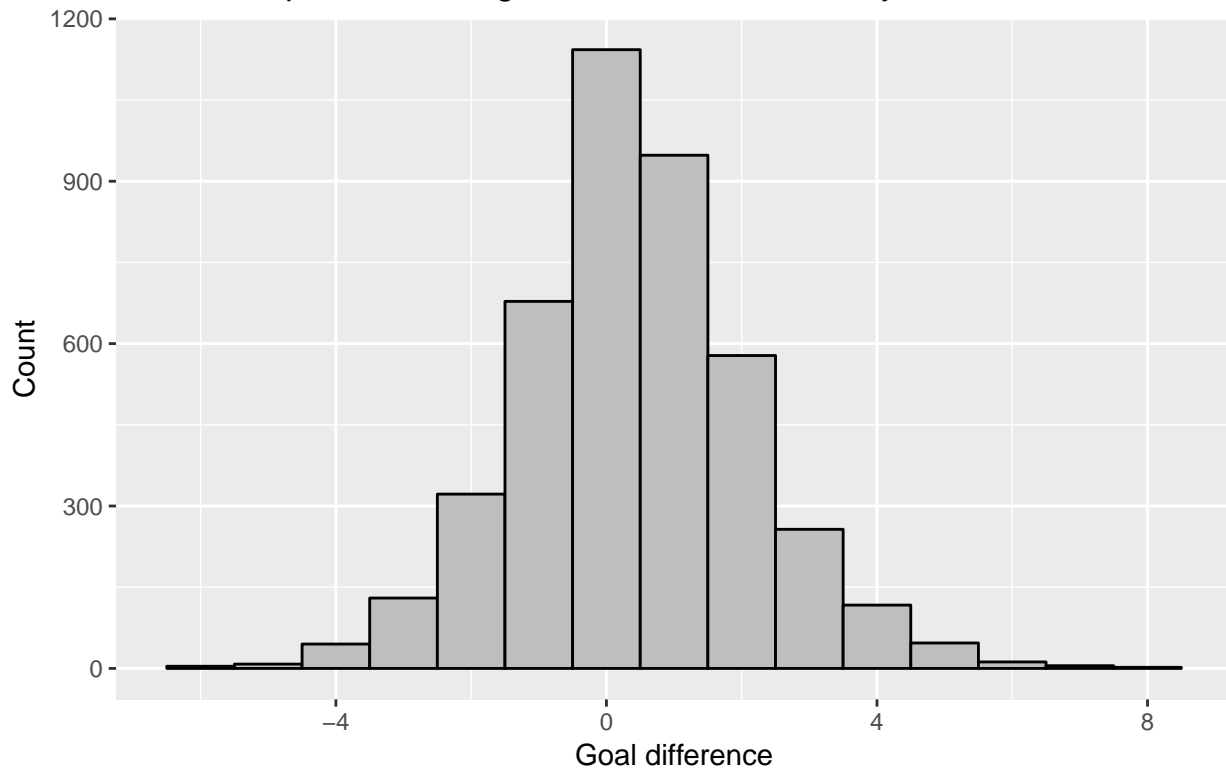|	*Dependent variable:*			
	hgoal		vgoal	
	(1)	(2)	(3)	(4)
Team_rest	−0.004		−0.007	
	(0.009)		(0.011)	
Opp_rest	−0.001		0.005	
	(0.009)		(0.011)	
Team_rest_bin		−0.007		−0.029
		(0.028)		(0.032)
Opp_rest_bin		−0.019		0.013
		(0.027)		(0.032)
Team_att_str	0.371***	0.372***	0.427***	0.427***
	(0.050)	(0.050)	(0.053)	(0.053)
Opp_def_weak	0.274***	0.277***	0.238***	0.239***
	(0.061)	(0.061)	(0.061)	(0.061)
Team_load	0.015***	0.016***	0.011***	0.011***
	(0.003)	(0.003)	(0.003)	(0.003)
Opp_load	−0.020***	−0.021***	−0.024***	−0.024***
	(0.003)	(0.003)	(0.004)	(0.003)
Constant	−0.036	−0.044	−0.025	−0.021
	(0.205)	(0.198)	(0.231)	(0.223)
Observations	4,296	4,296	4,296	4,296
Log Likelihood	−6,597.132	−6,596.946	−5,804.871	−5,804.693
Akaike Inf. Crit.	13,208.260	13,207.890	11,623.740	11,623.390

Note: *p<0.1; **p<0.05; ***p<0.01

Linear model for goal difference

```
p <- readRDS("~/Documents/masters_paper/Figures/goalDiffNormal.rds")
p
```

```
## Warning: Computation failed in `stat_function()`:
## object of type 'closure' is not subsettable
```

Distribution of goal difference overlayed with distribution under the assumption that the goal difference is normally distributed

From lmGoalDiff.R

Discusion

Conclusion

Appendix

References

Table 2: Linear model for the difference in goals scored

	Dependent variable:
	goal_diff
h_rest	−0.003
	(0.018)
v_rest	−0.002
	(0.018)
h_att_str	0.807***
	(0.105)
h_def_weak	−0.529***
	(0.105)
v_att_str	−0.672***
	(0.092)
v_def_weak	0.795***
	(0.120)
h_load	0.036***
	(0.006)
v_load	−0.026***
	(0.006)
Constant	−0.414
	(0.450)
Observations	4,296
R^2	0.146
Adjusted R^2	0.144
Residual Std. Error	1.604 (df = 4287)
F Statistic	91.666*** (df = 8; 4287)