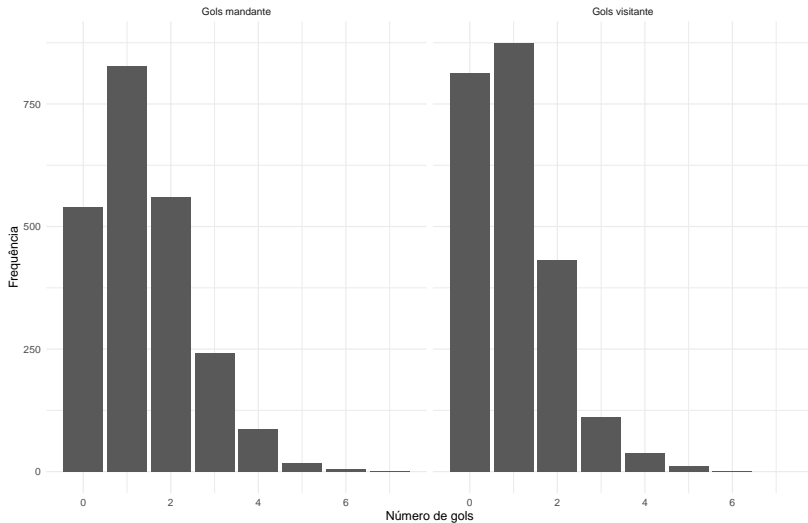


Modelagem de Gols em Partidas de Futebol

Descritiva

Distribuição dos Gols

Brasileirão Série A – Temporadas 2019 à 2024



Descritiva

Gols	Média	Variância
Gols mandante	1.41	1.18
Gols visitante	1.03	0.97

Descritiva

Placar	%	N
0x0	8.5	193
Contém 0	42.2	965

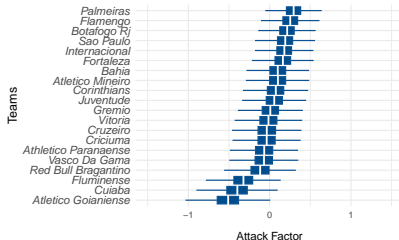
Descriptiva

Resultado	N	%
Empate	626	27.5
Visitante	599	26.3
Mandante	1055	46.3

Modelagem

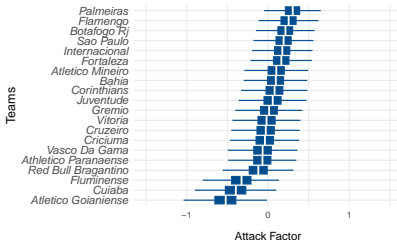
Estimatives for the Attack Factor

Poisson – Brasileiro Série A – Round 35



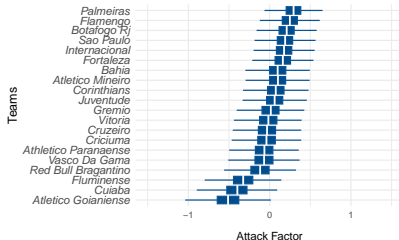
Estimatives for the Attack Factor

ZIPoisson – Brasileiro Série A – Round 35



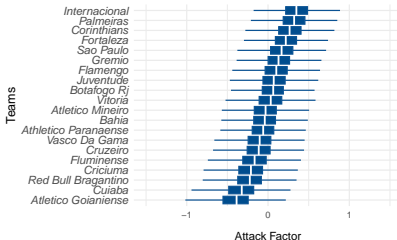
Estimatives for the Attack Factor

Neg. Binomial – Brasileiro Série A – Round 35



Estimatives for the Attack Factor

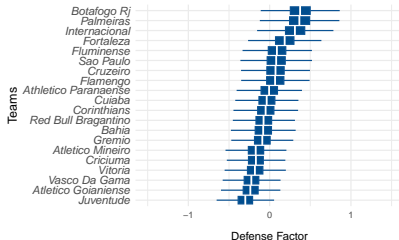
Dynamic Poisson – Brasileiro Série A – Round 35



Modelagem

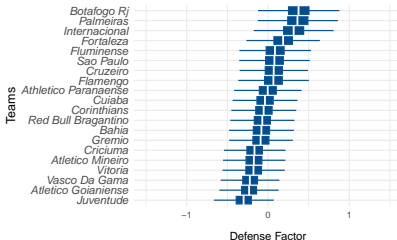
Estimativas for the Defense Factor

Poisson – Brasileiro Série A – Round 35



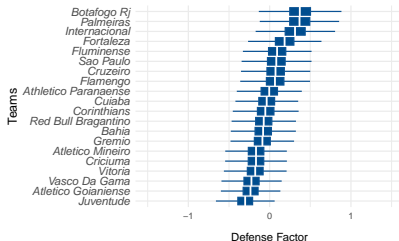
Estimativas for the Defense Factor

ZIPoisson – Brasileiro Série A – Round 35



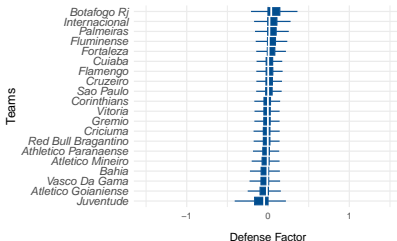
Estimativas for the Defense Factor

Neg. Binomial – Brasileiro Série A – Round 35



Estimativas for the Defense Factor

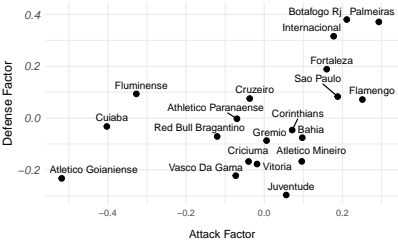
Dynamic Poisson – Brasileiro Série A – Round 35



Modelagem

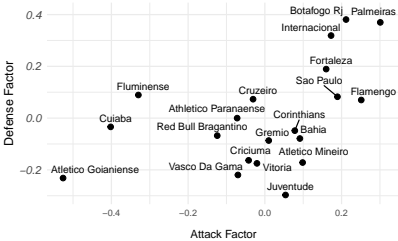
Attack vs Defense

Poisson – Brasileiro Série A – Round 35



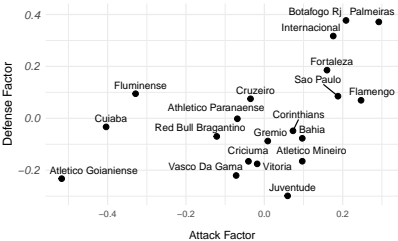
Attack vs Defense

ZIPoisson – Brasileiro Série A – Round 35



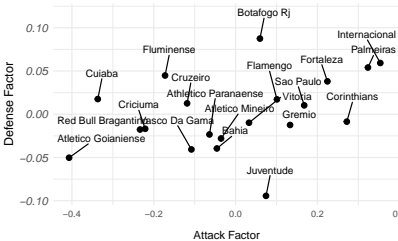
Attack vs Defense

Neg. Binomial – Brasileiro Série A – Round 35

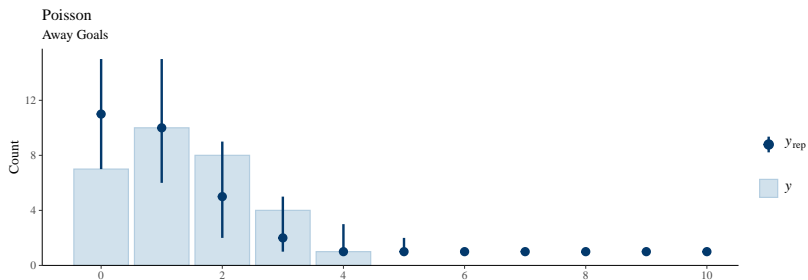
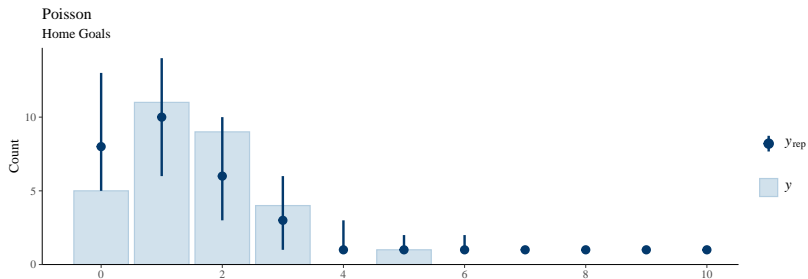


Attack vs Defense

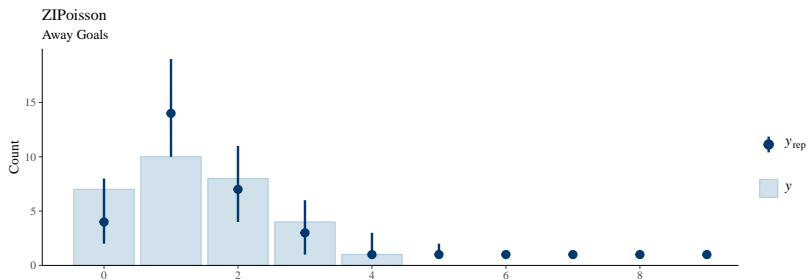
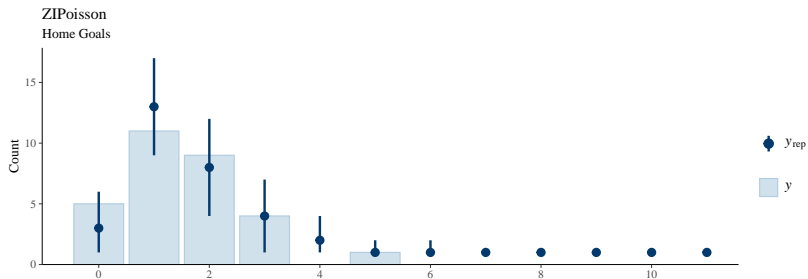
Dynamic Poisson – Brasileiro Série A – Round 35



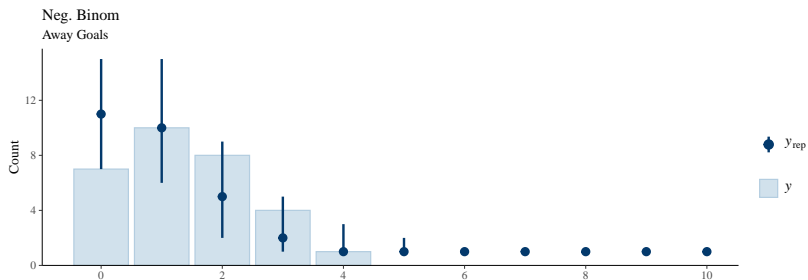
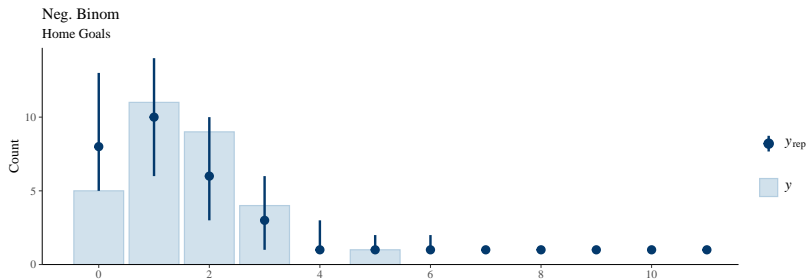
Predição



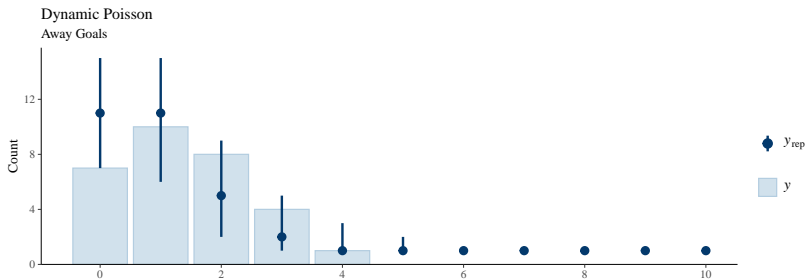
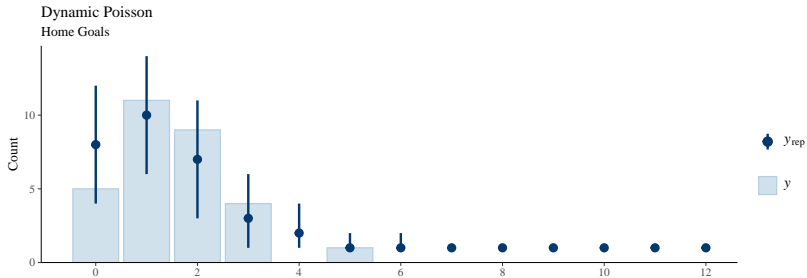
Predição



Predição

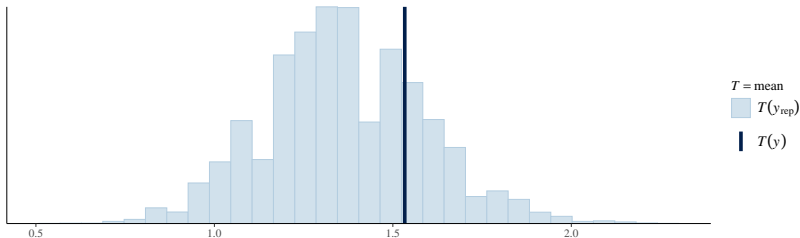


Predição

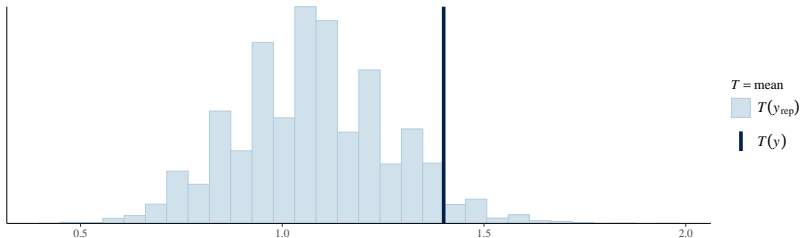


Predição

Poisson
Home Goals

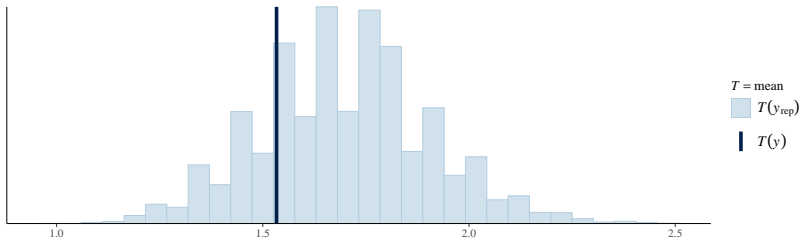


Poisson
Away Goals

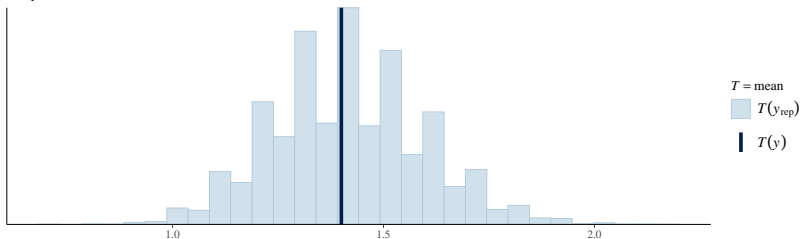


Predição

ZIPoisson
Home Goals

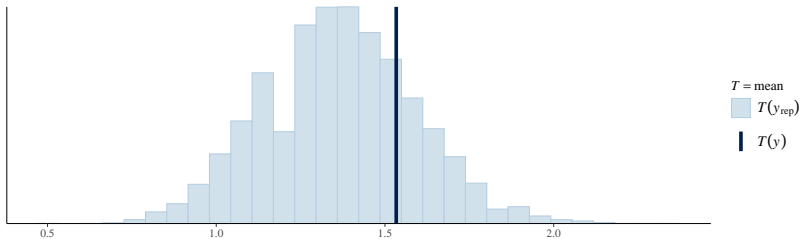


ZIPoisson
Away Goals

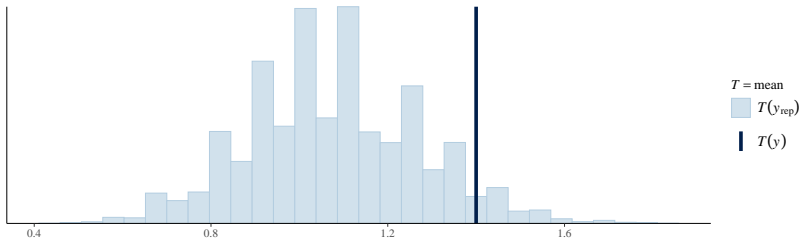


Predição

Neg. Binom
Home Goals

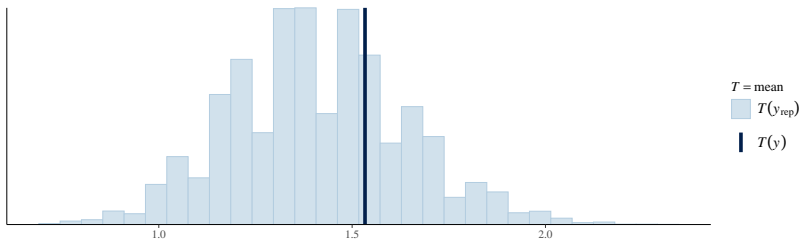


Neg. Binom
Away Goals

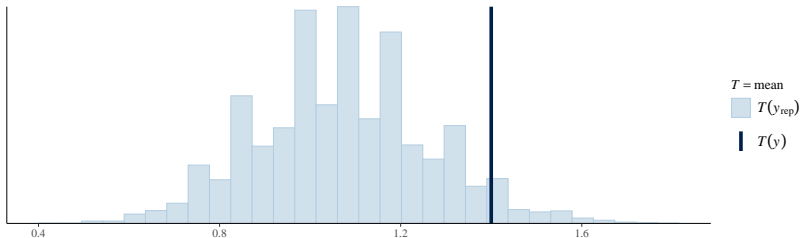


Predição

Dynamic Poisson
Home Goals



Dynamic Poisson
Away Goals



Predição

Poisson	ZIPoisson	Neg. Binom.	Dynamic
2.64e-05	5.21e-05	2.51e-05	2.43e-05

Predição

Partida

Botafogo Rj X Sao Paulo

Palmeiras X Botafogo Rj

Palmeiras X Fluminense

Flamengo X Internacional

Flamengo X Vitoria

Fortaleza X Internacional

Internacional X Botafogo Rj

Sao Paulo X Juventude

Corinthians X Bahia

Bahia X Atletico Goianiense

Cruzeiro X Palmeiras

Vasco Da Gama X Atletico Goianiense

Vasco Da Gama X Atletico Mineiro

Vitoria X Fortaleza

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Botafogo Rj X Sao Paulo

Palmeiras X Botafogo Rj

Palmeiras X Fluminense

Flamengo X Internacional

Flamengo X Vitoria

Fortaleza X Internacional

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Cruzeiro X Palmeiras

Vasco Da Gama X Atletico Goianiense

Vasco Da Gama X Atletico Mineiro

Vitoria X Fortaleza

Predição - Poisson

Resultado	Frequência	Frequência Esperada
D	5	7.88
L	13	9.18
W	12	12.94

Predição - ZIPoisson

Resultado	Frequência	Frequência Esperada
D	5	8.79
L	13	8.58
W	12	12.63

Predição - Neg. Binomial

Resultado	Frequência	Frequência Esperada
D	5	7.93
L	13	9.15
W	12	12.92

Predição - Dynamic

Resultado	Frequência	Frequência Esperada
D	5	7.87
L	13	8.81
W	12	13.32

Predição - Poisson

Confusion Matrix

		Actual	
		Favorite	Underdog
Predicted	Favorite	16	13
	Underdog	1	0

Confusion matrix statistics

Sensitivity 0.94	Specificity 0	Precision 0.55	Recall 0.94	Balanced Accuracy 0.47
	Accuracy 0.53		Kappa -0.07	

Predição - ZIPoisson

Confusion Matrix

		Actual	
		Favorite	Underdog
Predicted	Favorite	16	13
	Underdog	1	0

Confusion matrix statistics

Sensitivity 0.94	Specificity 0	Precision 0.55	Recall 0.94	Balanced Accuracy 0.47
	Accuracy 0.53		Kappa -0.07	

Predição - Neg. Binomial

Confusion Matrix

		Actual	
		Favorite	Underdog
Predicted	Favorite	16	13
	Underdog	1	0

Confusion matrix statistics

Sensitivity 0.94	Specificity 0	Precision 0.55	Recall 0.94	Balanced Accuracy 0.47
	Accuracy 0.53		Kappa -0.07	

Predição - Dynamic

Confusion Matrix

		Actual	
		Favorite	Underdog
Predicted	Favorite	17	13
	Underdog	0	0

Confusion matrix statistics

Sensitivity 1	Specificity 0	Precision 0.57	Recall 1	Balanced Accuracy 0.5
	Accuracy 0.57		Kappa 0	