

Exact binomial test

data: `sum(df.good$Is.Latent)` and `length(df.good$Is.Latent)`

number of successes = 797, number of trials = 1413, p-value = $8.144\text{e-}07$

alternative hypothesis: true probability of success is greater than 0.5

95 percent confidence interval:

0.5419114 1.0000000

sample estimates:

probability of success

0.5640481

Generalized linear mixed model fit by maximum likelihood (Laplace
Approximation) [glmerMod]
Family: binomial (logit)
Formula: ls.Latent ~ (1 | Patient)
Data: df.good

AIC	BIC	logLik	deviance	df.resid
1755.3	1765.8	-875.6	1751.3	1411

Scaled residuals:

Min	1Q	Median	3Q	Max
-3.0062	-0.9262	0.4186	0.8327	2.0498

Random effects:

Groups	Name	Variance	Std.Dev.
Patient	(Intercept)	1.136	1.066

Number of obs: 1413, groups: Patient, 15

Fixed effects:

	Estimate	Std. Error	z value	Pr(> z)
(Intercept)	0.3073	0.2833	1.085	0.278

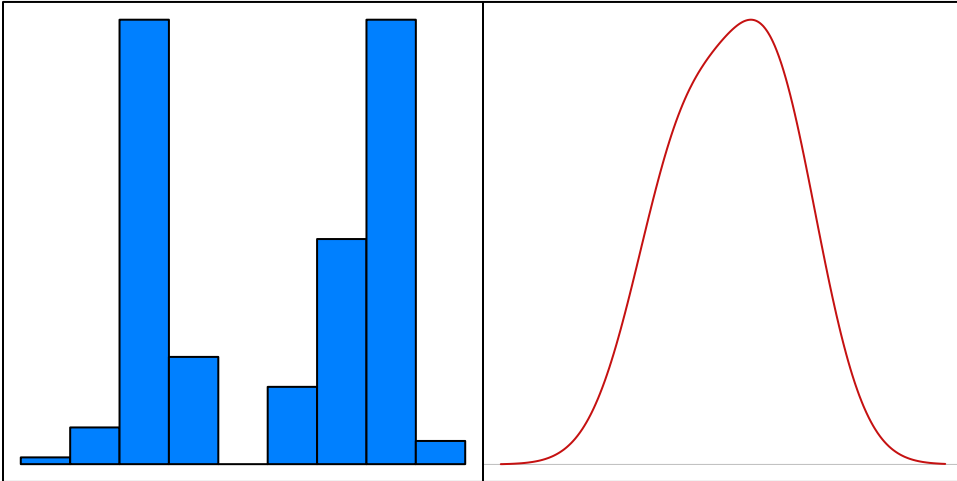
[1] "AIC: 1755.27426428578 null AIC: 1937.58468440158"

[2] "p-value: 0"

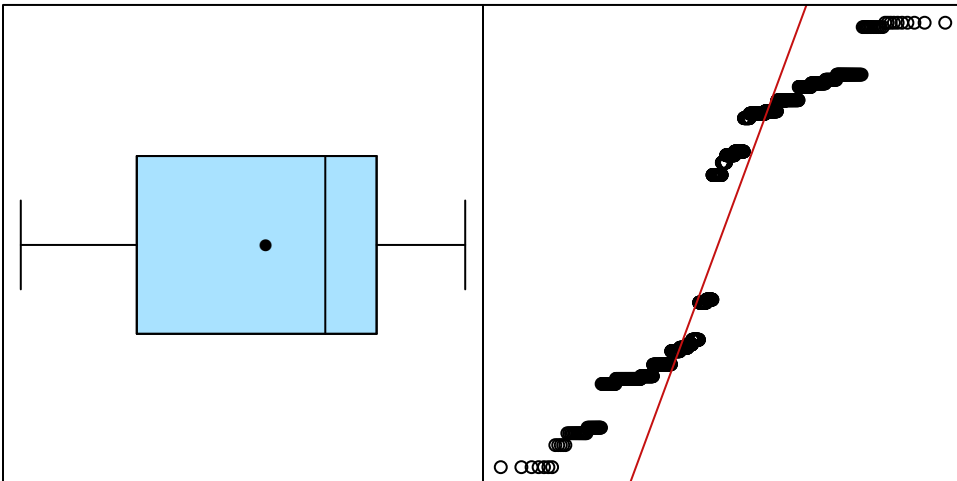
[3] "mean: 0.576228549165217 (0.438330822020015, 0.703195083462278)"

EXPLORATORY DATA ANALYSIS

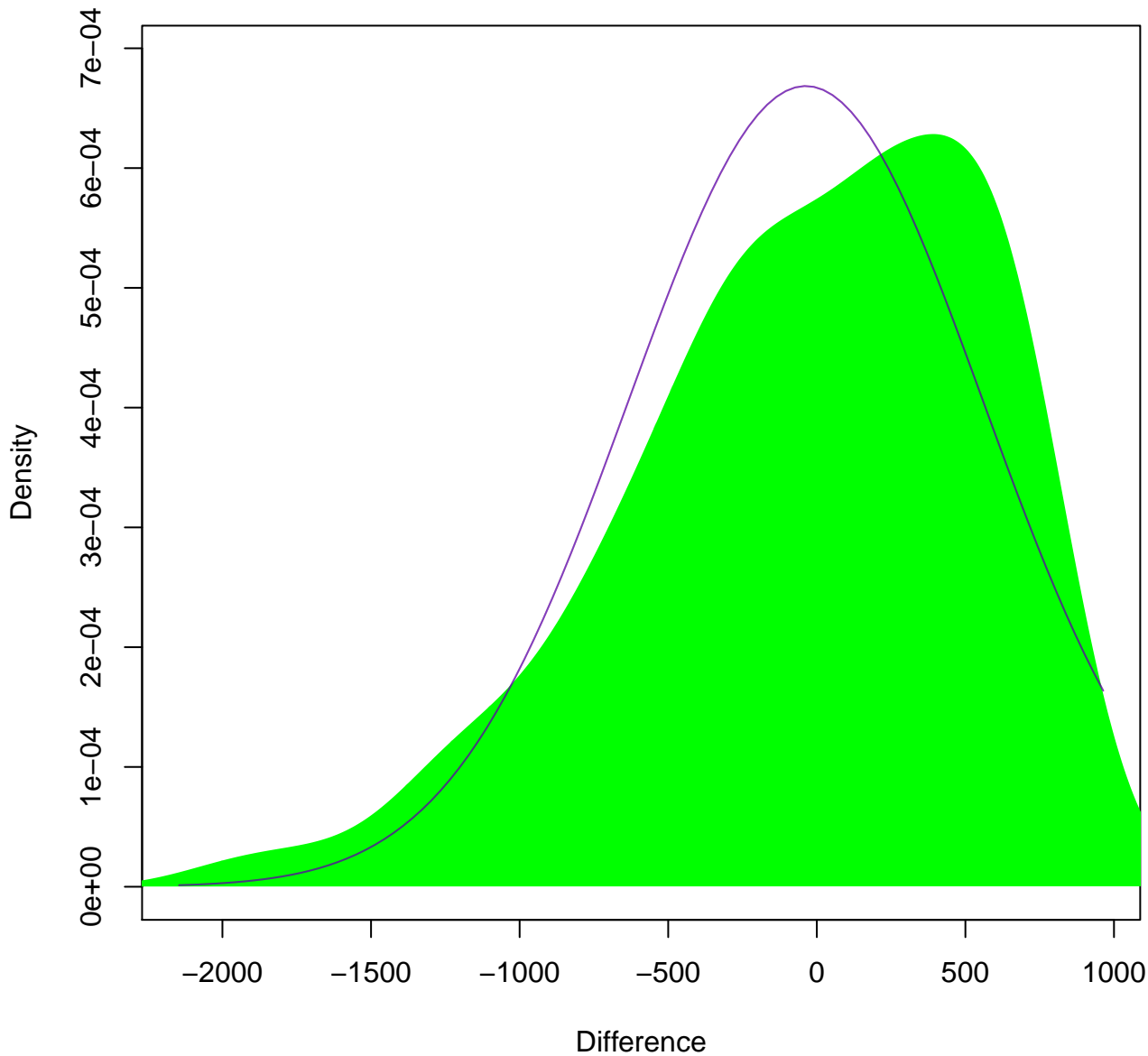
histogram of resid(bin.glme.test) Density of resid(bin.glme.test)



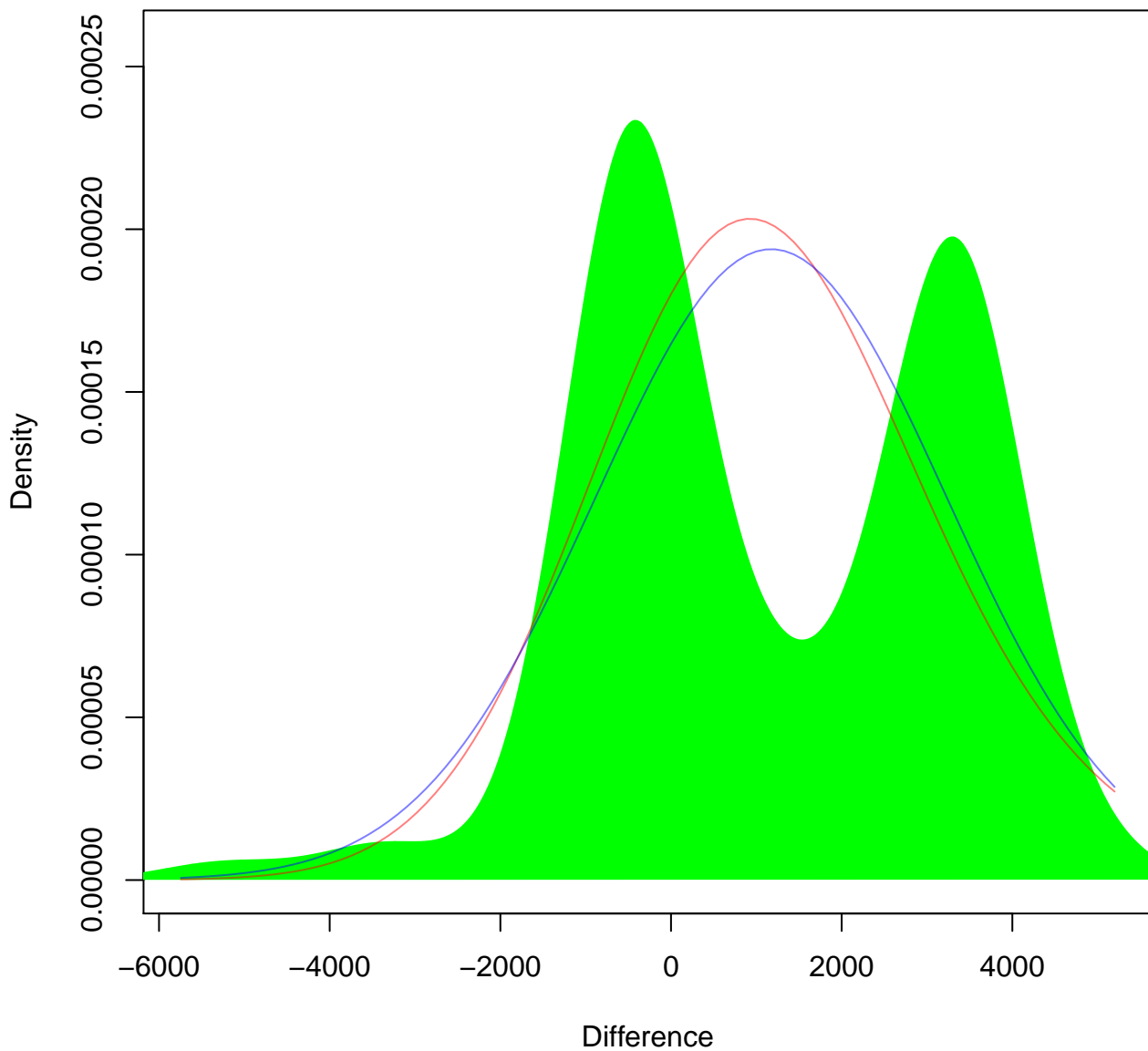
Boxplot of resid(bin.glme.test) Q-Q Plot of resid(bin.glme.test)



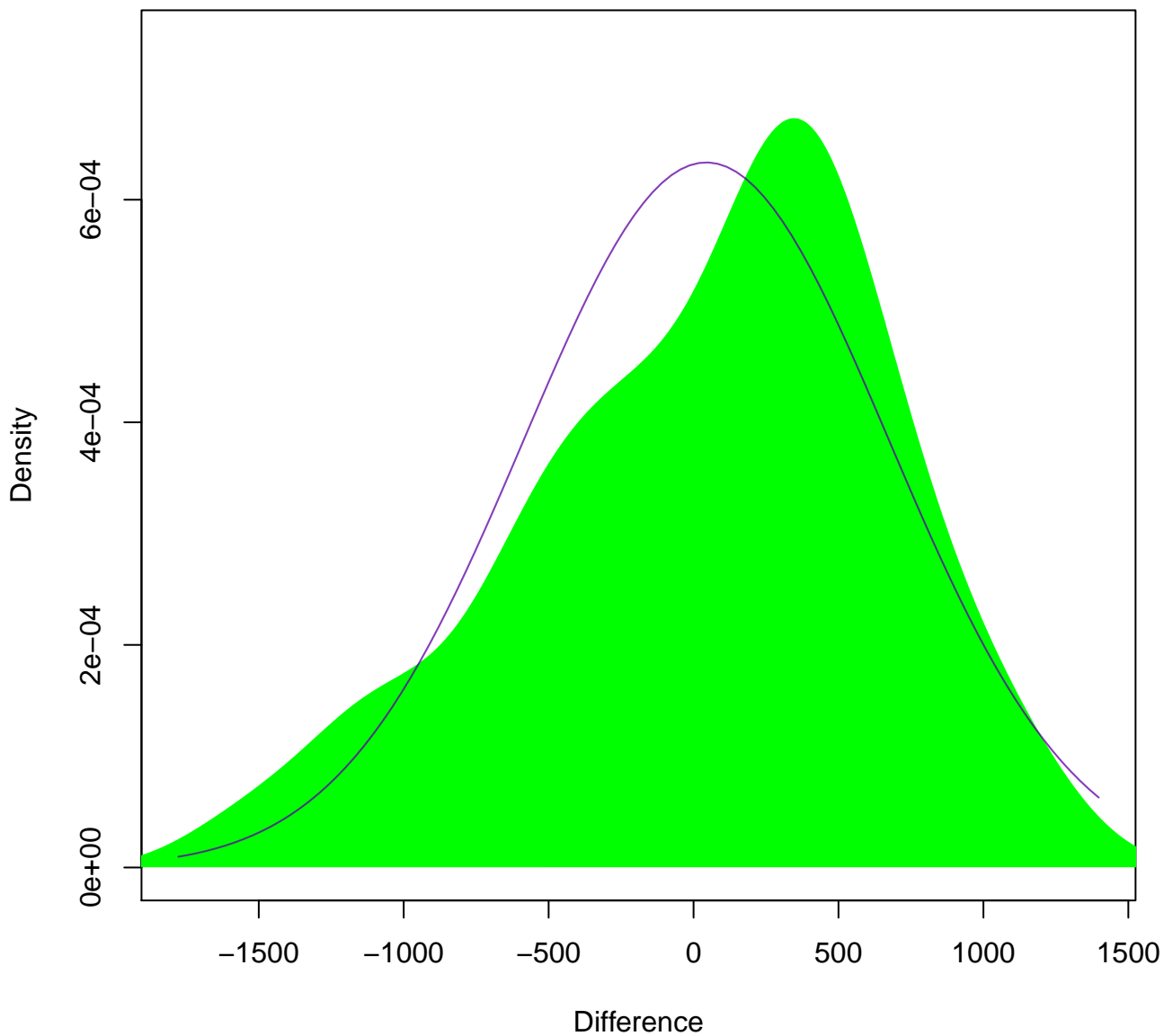
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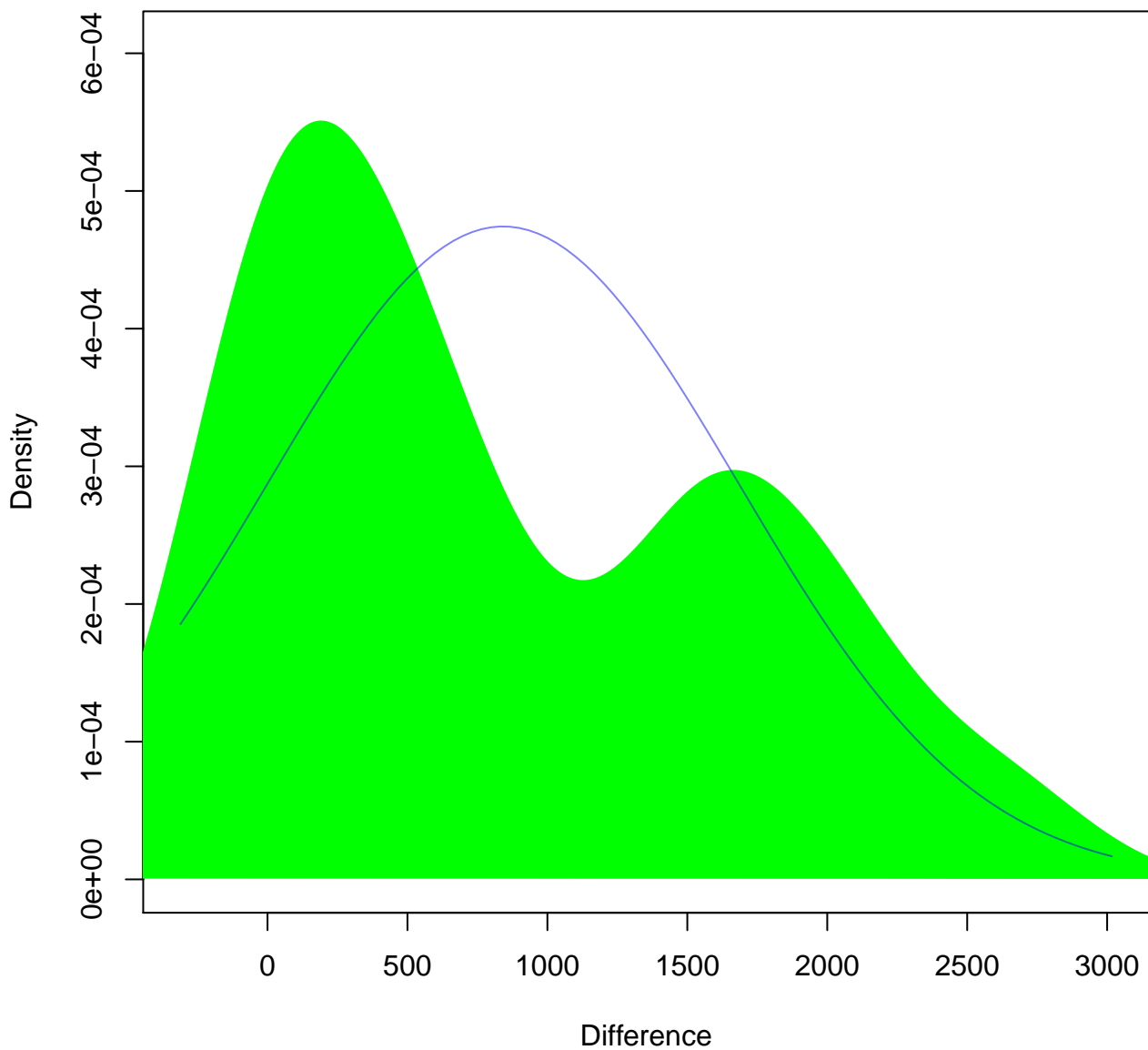
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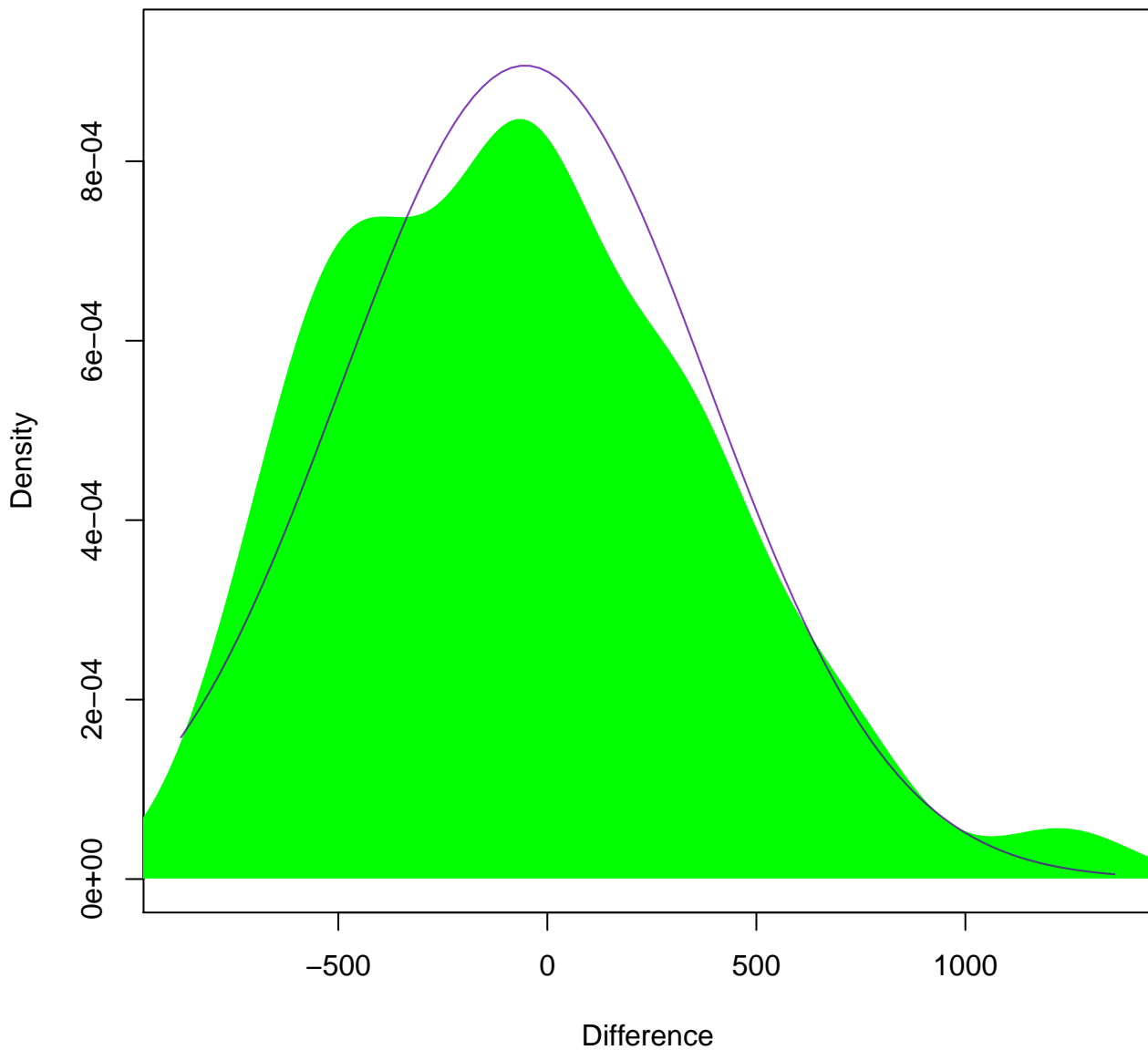
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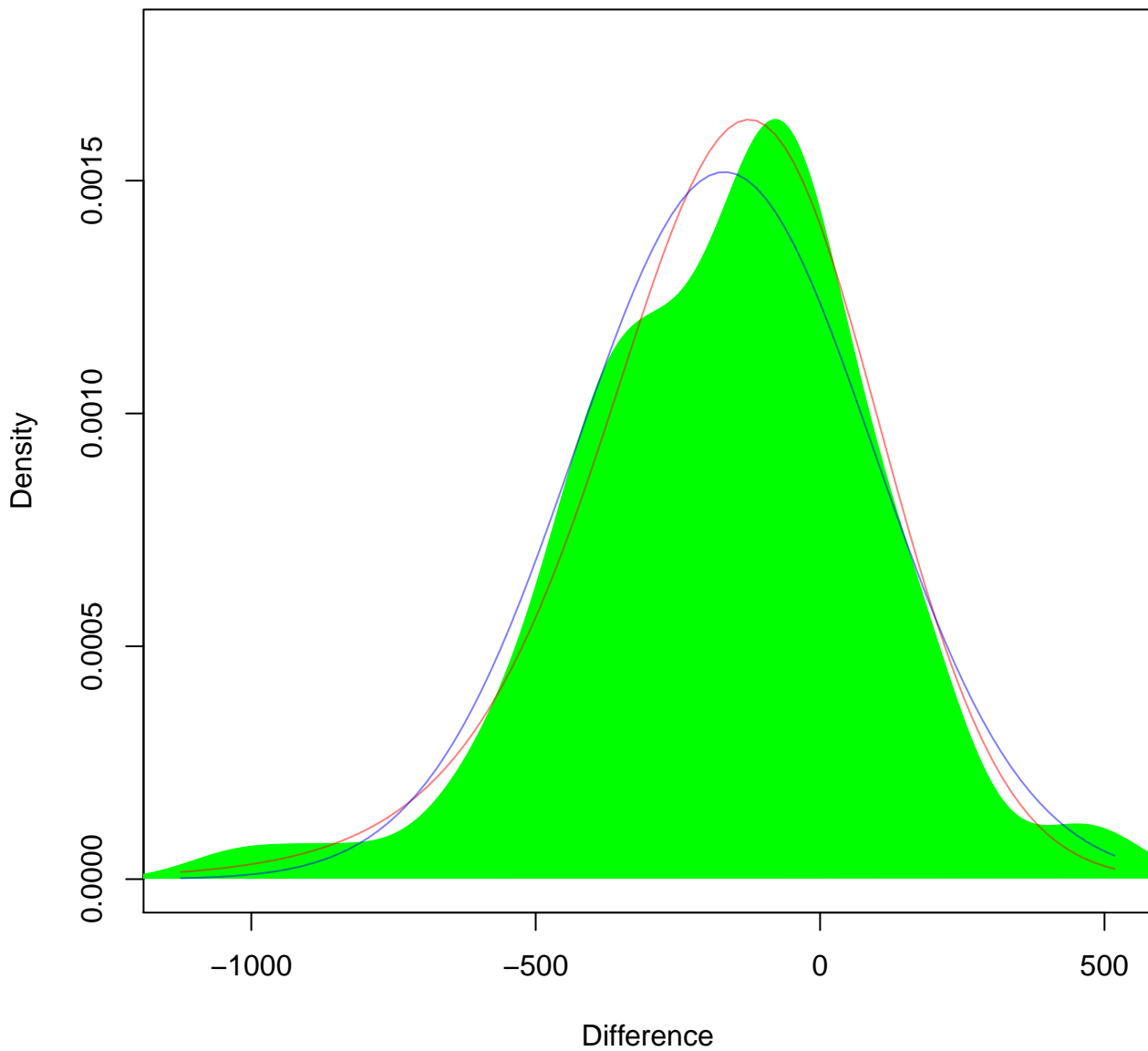
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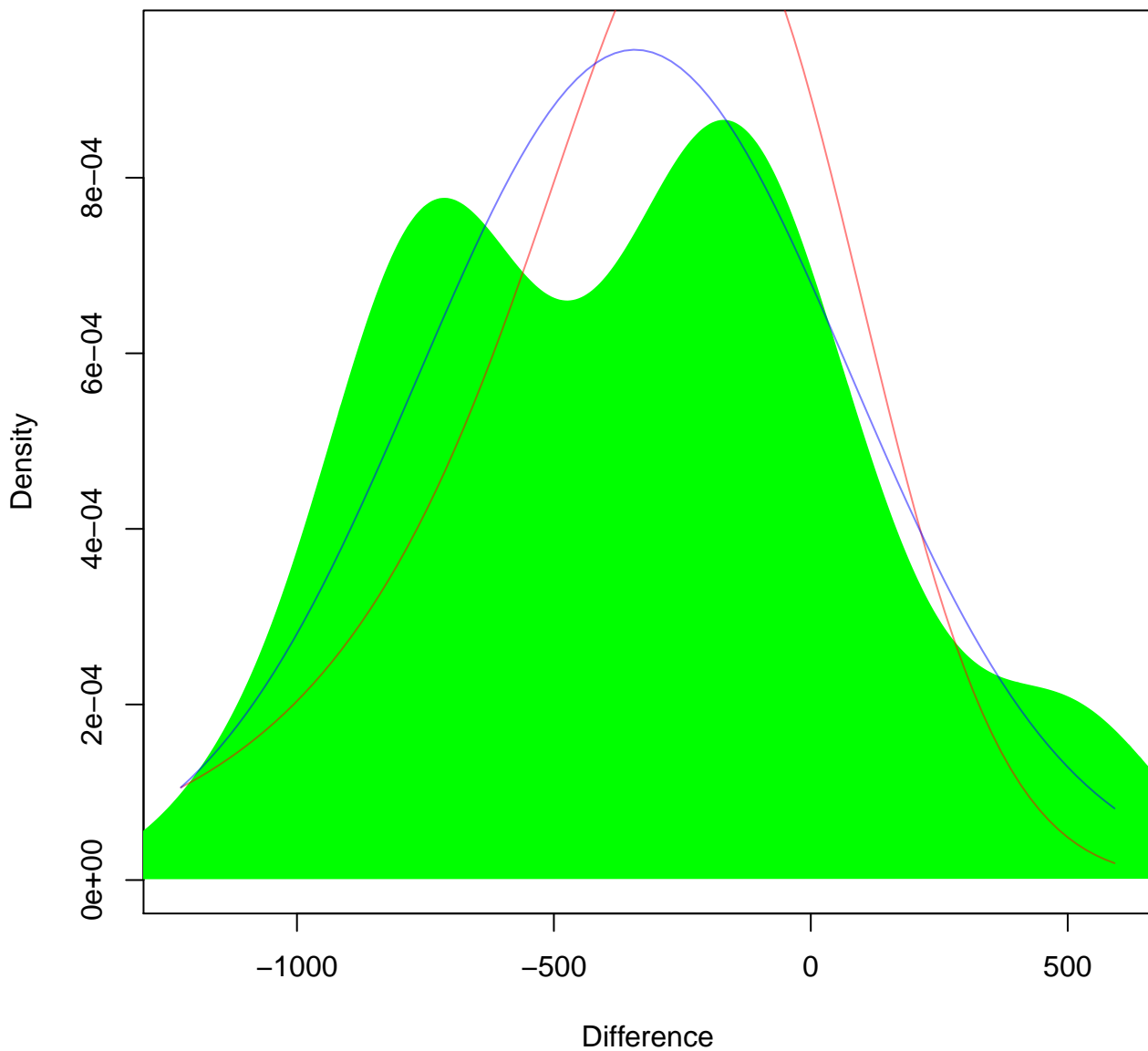
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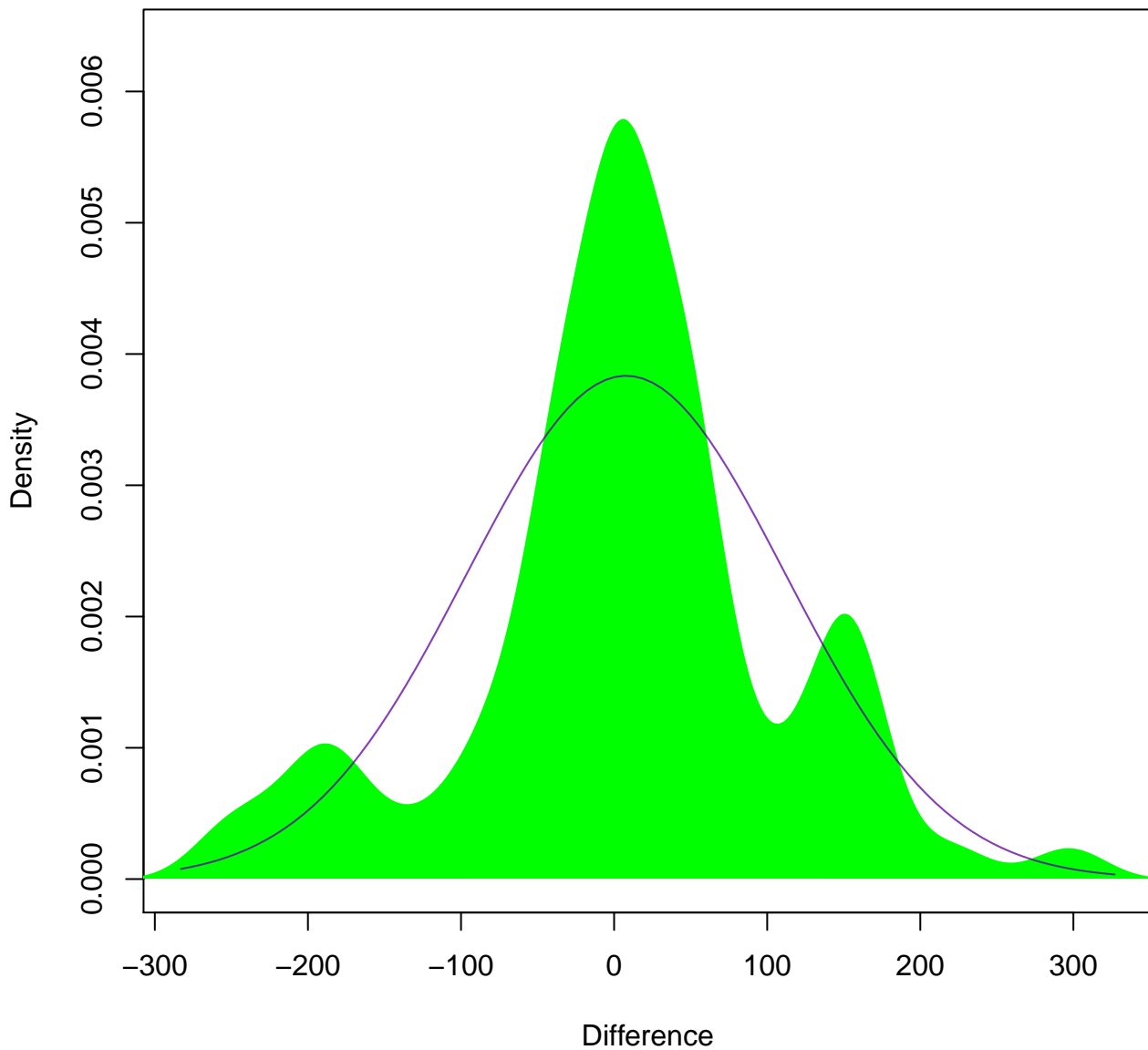
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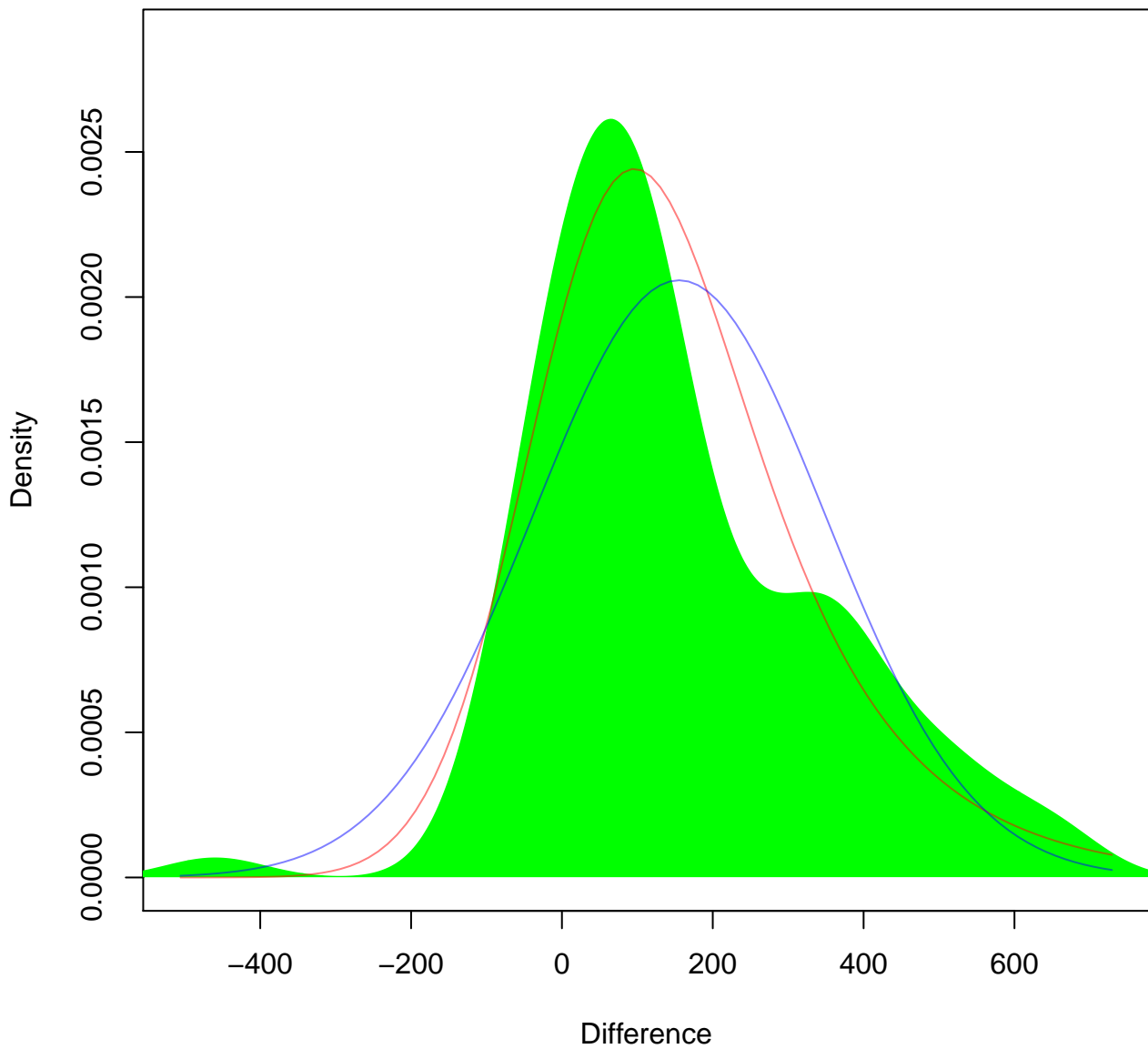
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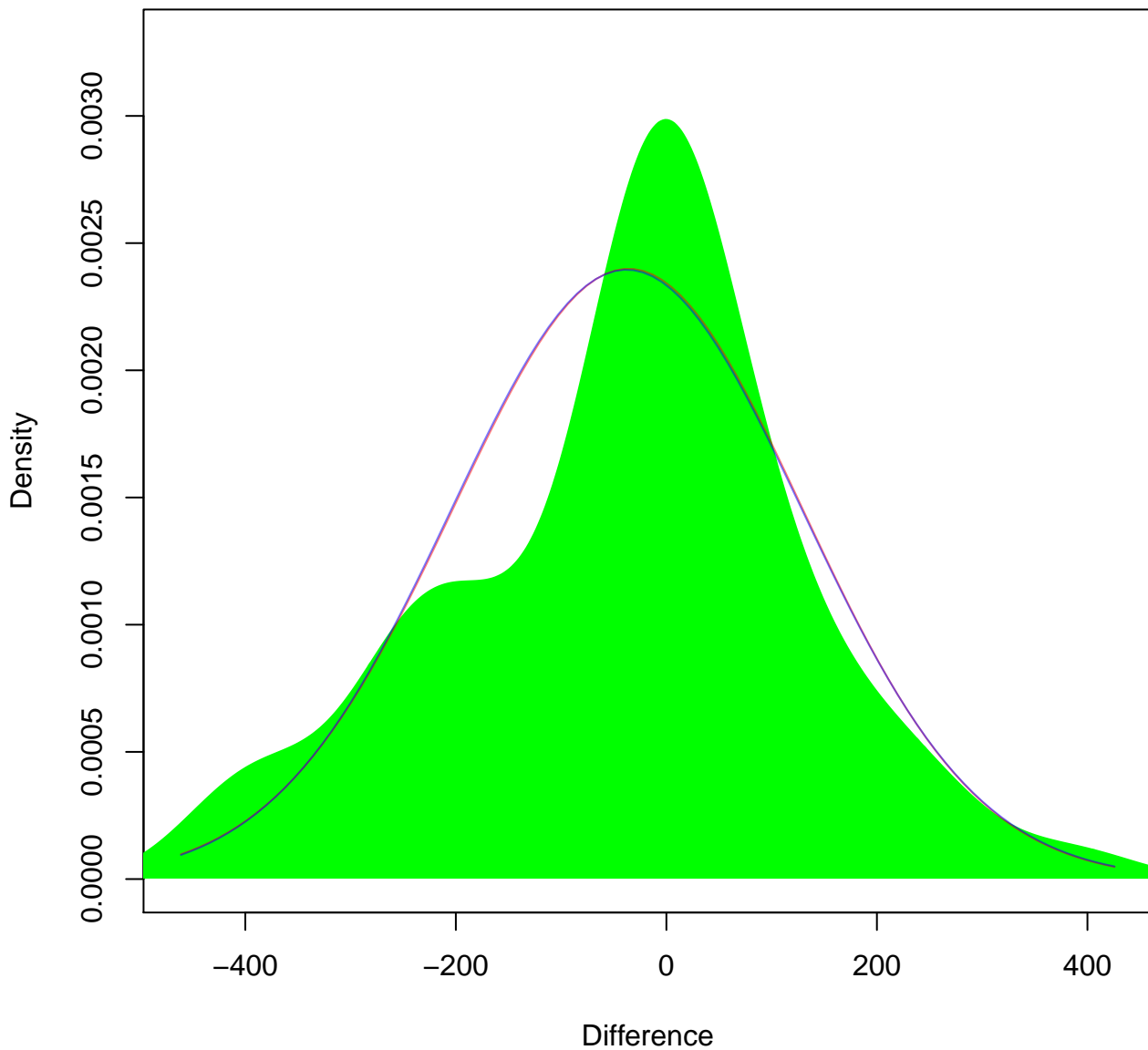
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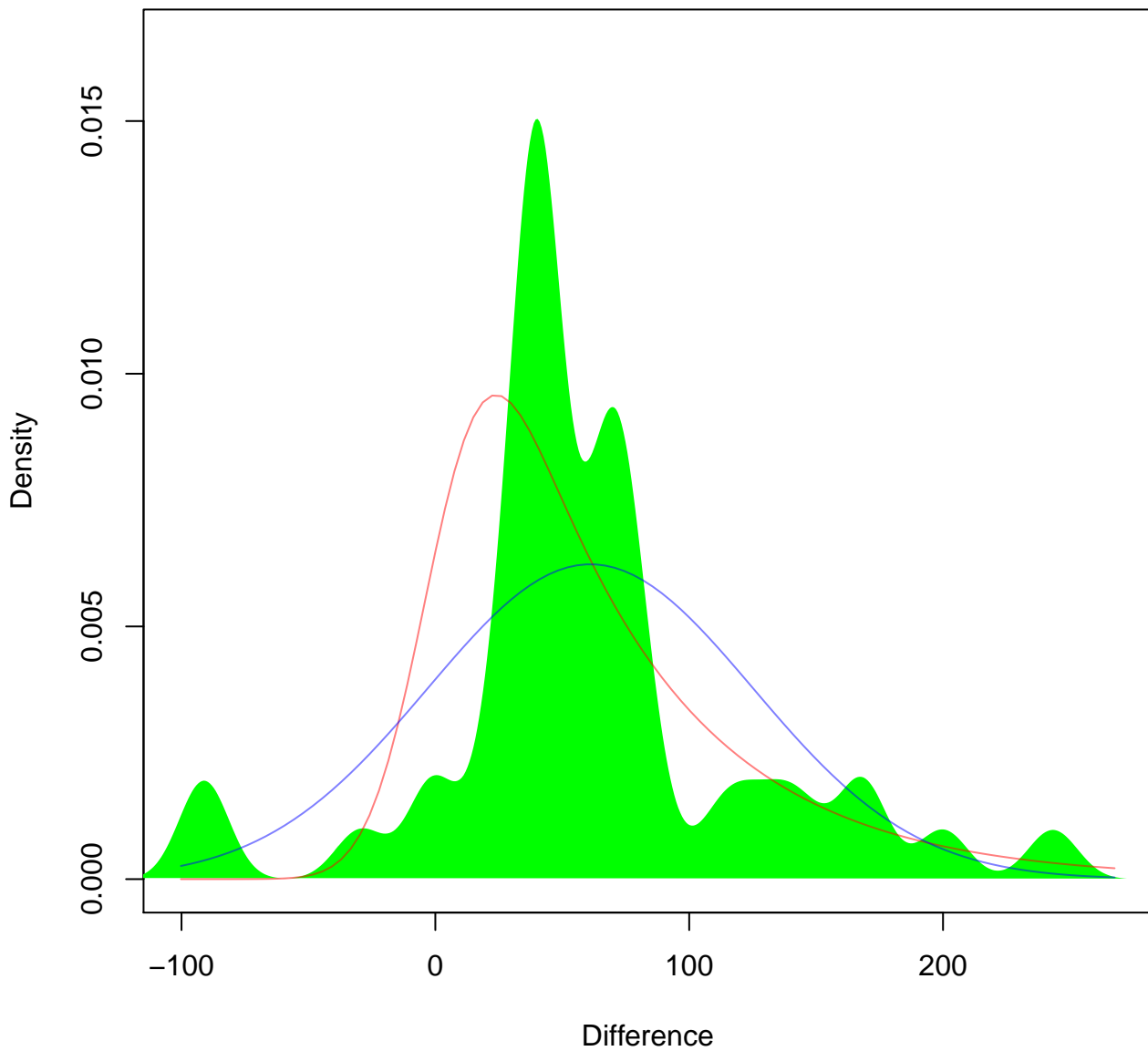
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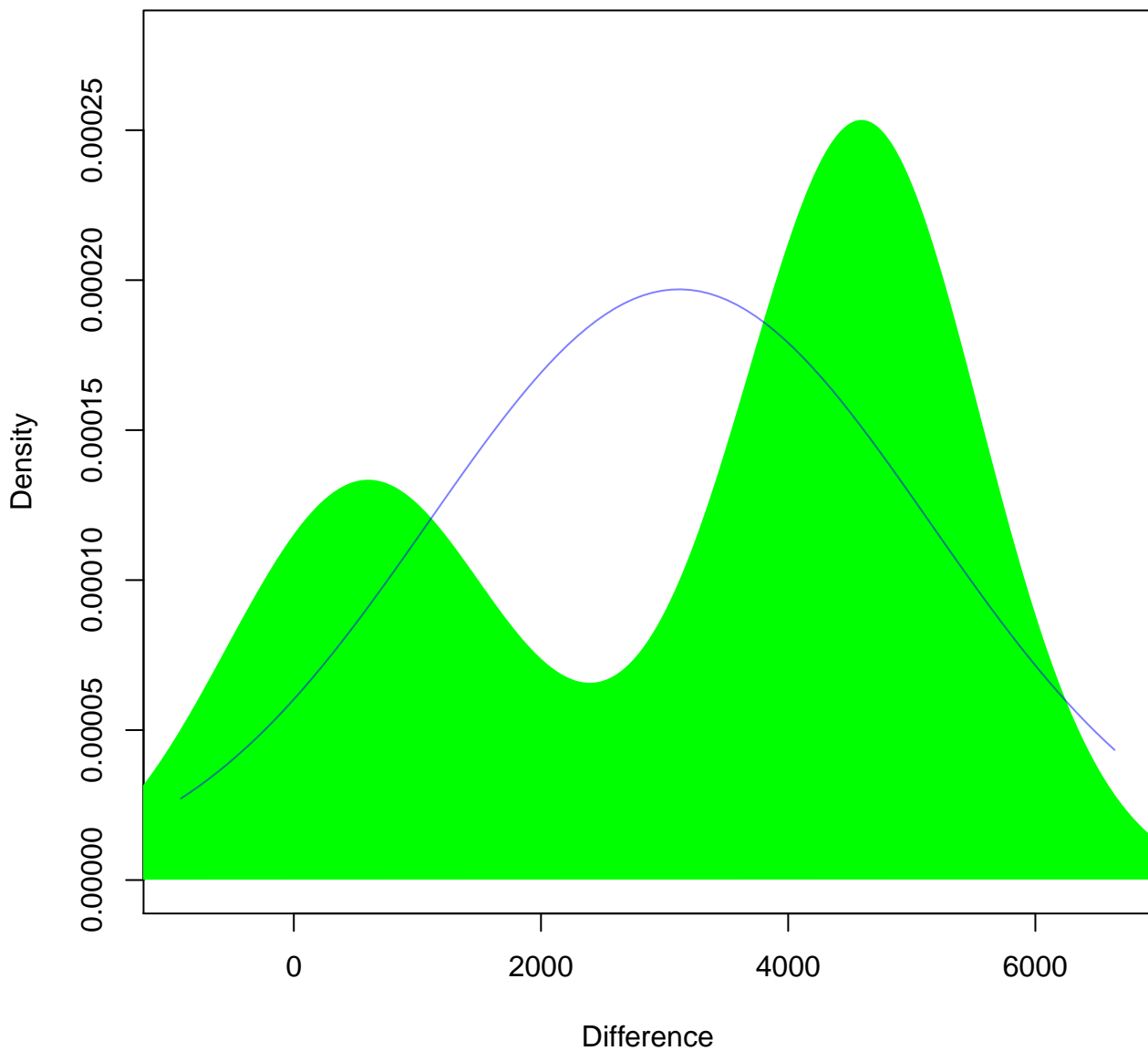
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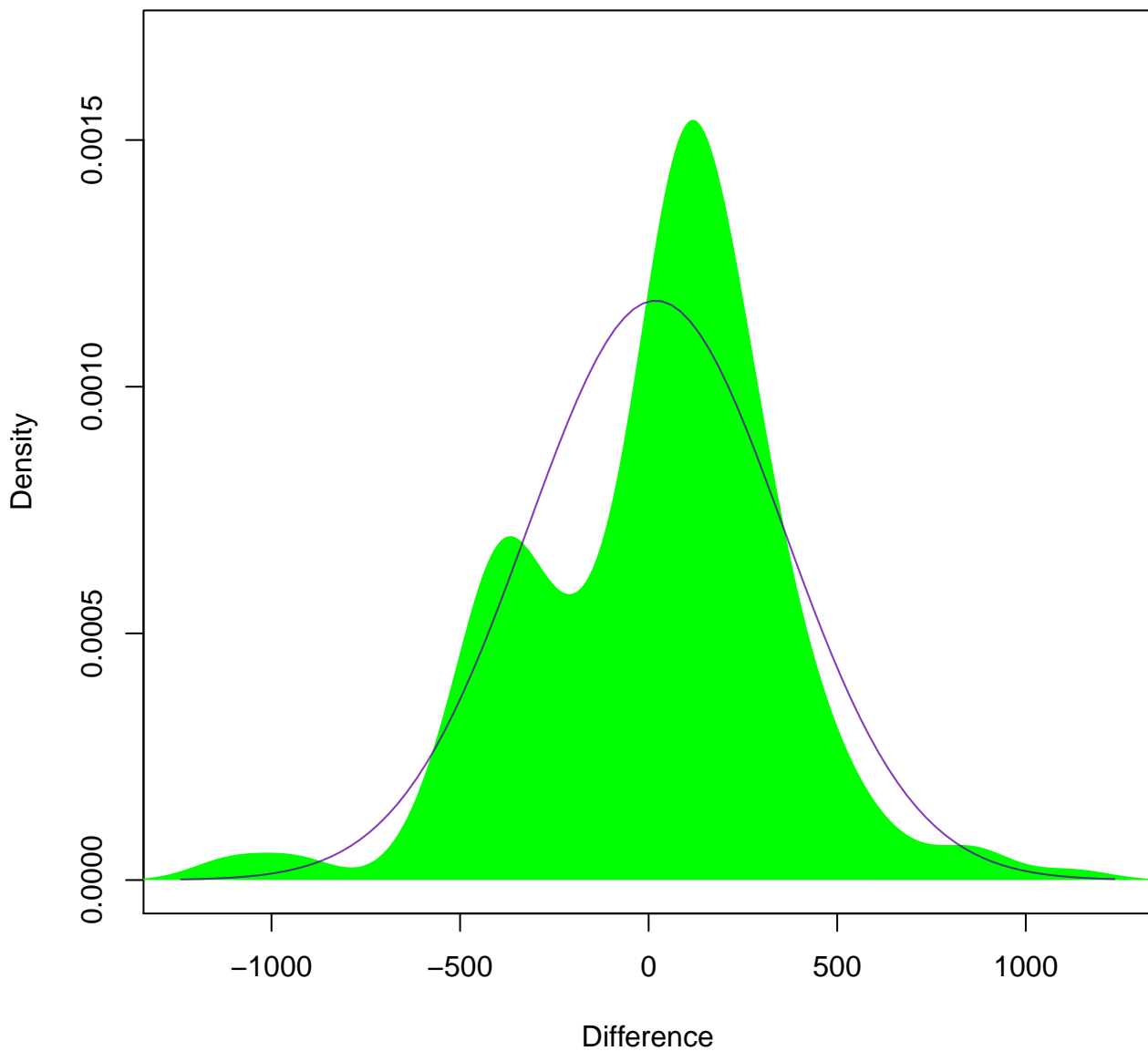
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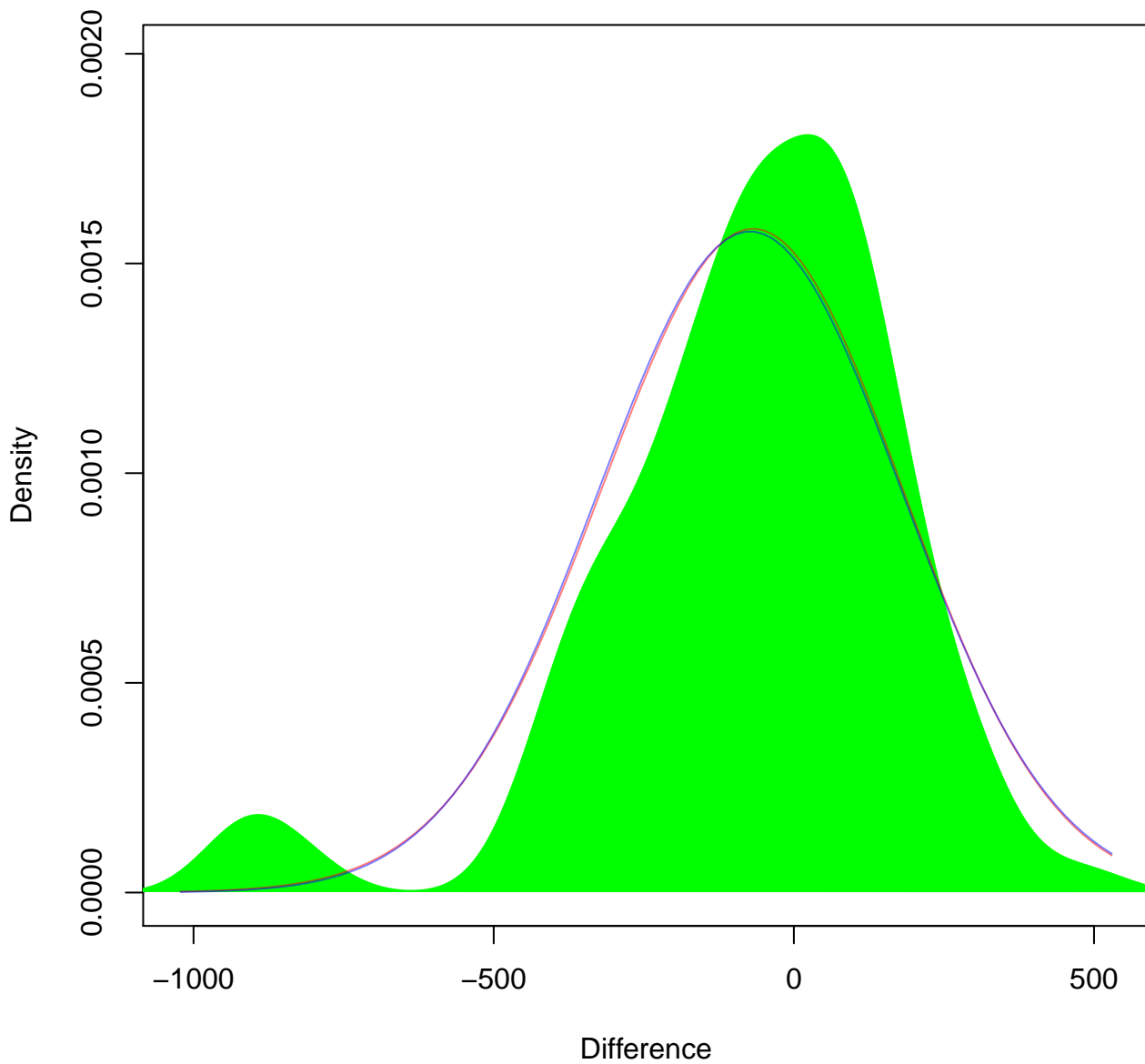
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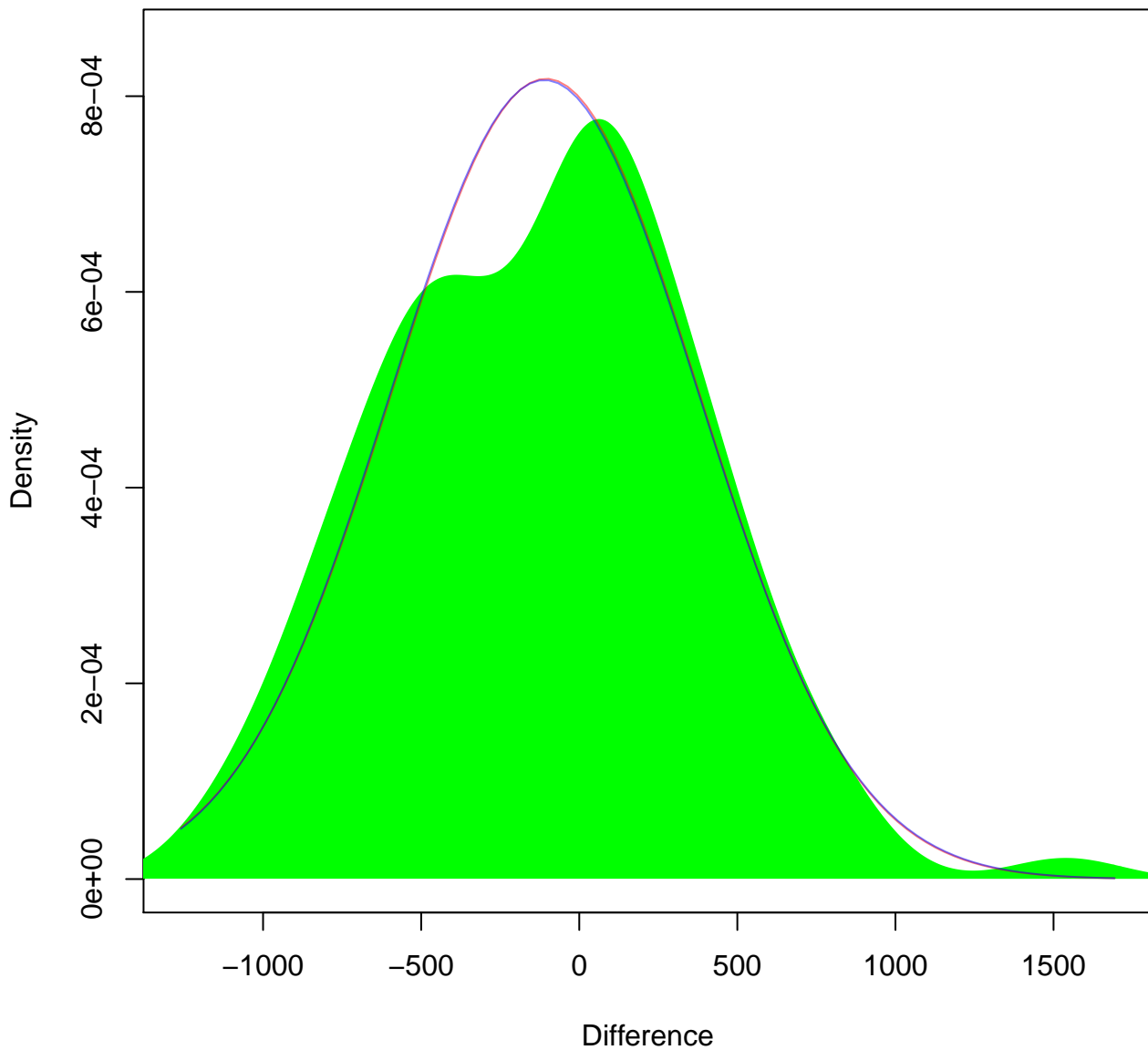
821



822



824



Overall

