

Exact binomial test

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

number of successes = 1234, number of trials = 2500, p-value = 0.7454

alternative hypothesis: true probability of success is greater than 0.5

95 percent confidence interval:

0.4769646 1.0000000

sample estimates:

probability of success

0.4936

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
3436.6	3448.2	-1716.3	3432.6	2498

Scaled residuals:

Min	1Q	Median	3Q	Max
-1.3597	-0.9698	-0.5612	0.9551	1.7819

Random effects:

Groups	Name	Variance	Std.Dev.
Patient	(Intercept)	0.1413	0.3759

Number of obs: 2500, groups: Patient, 50

Fixed effects:

	Estimate	Std. Error	z value	Pr(> z)
(Intercept)	-0.02853	0.06696	-0.426	0.67

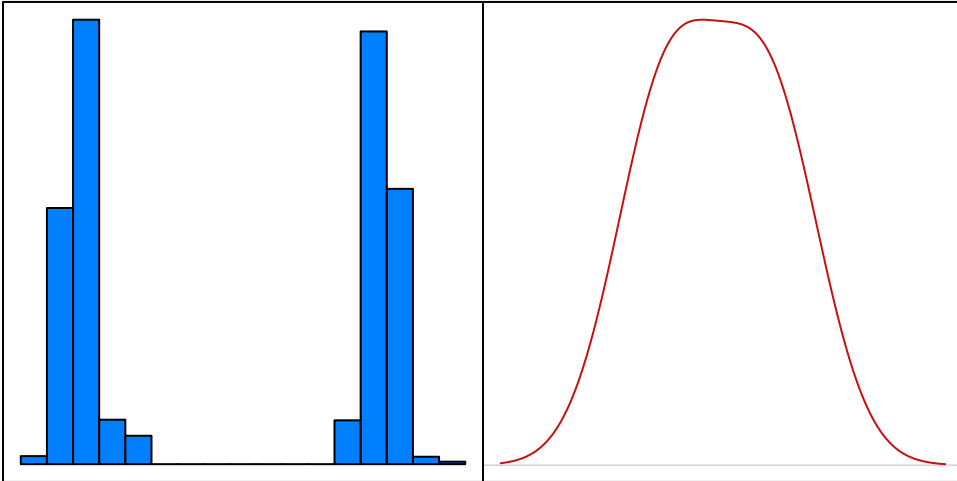
[1] "AIC: 3436.58913954708 null AIC: 3467.32629161418"

[2] "p-value: 7.78426750835948e-08"

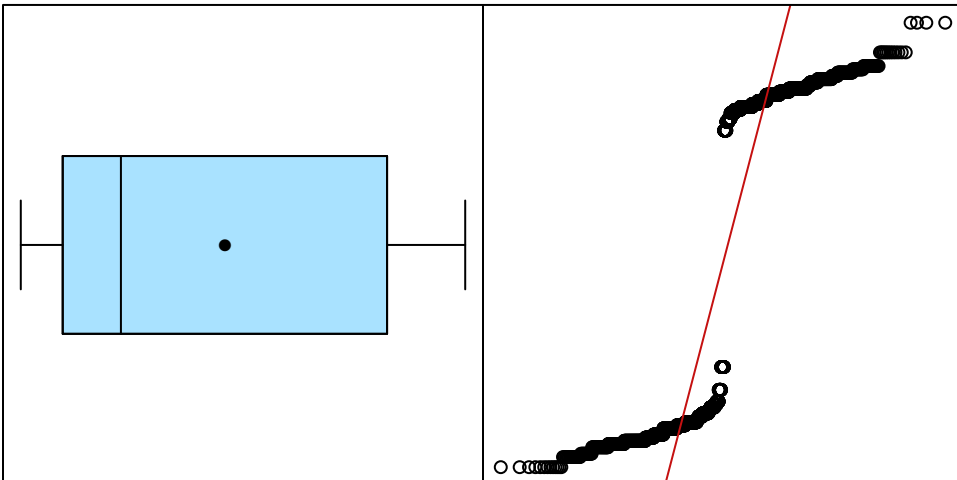
[3] "mean: 0.492868674987491 (0.460144707988248, 0.525653861825374)"

EXPLORATORY DATA ANALYSIS

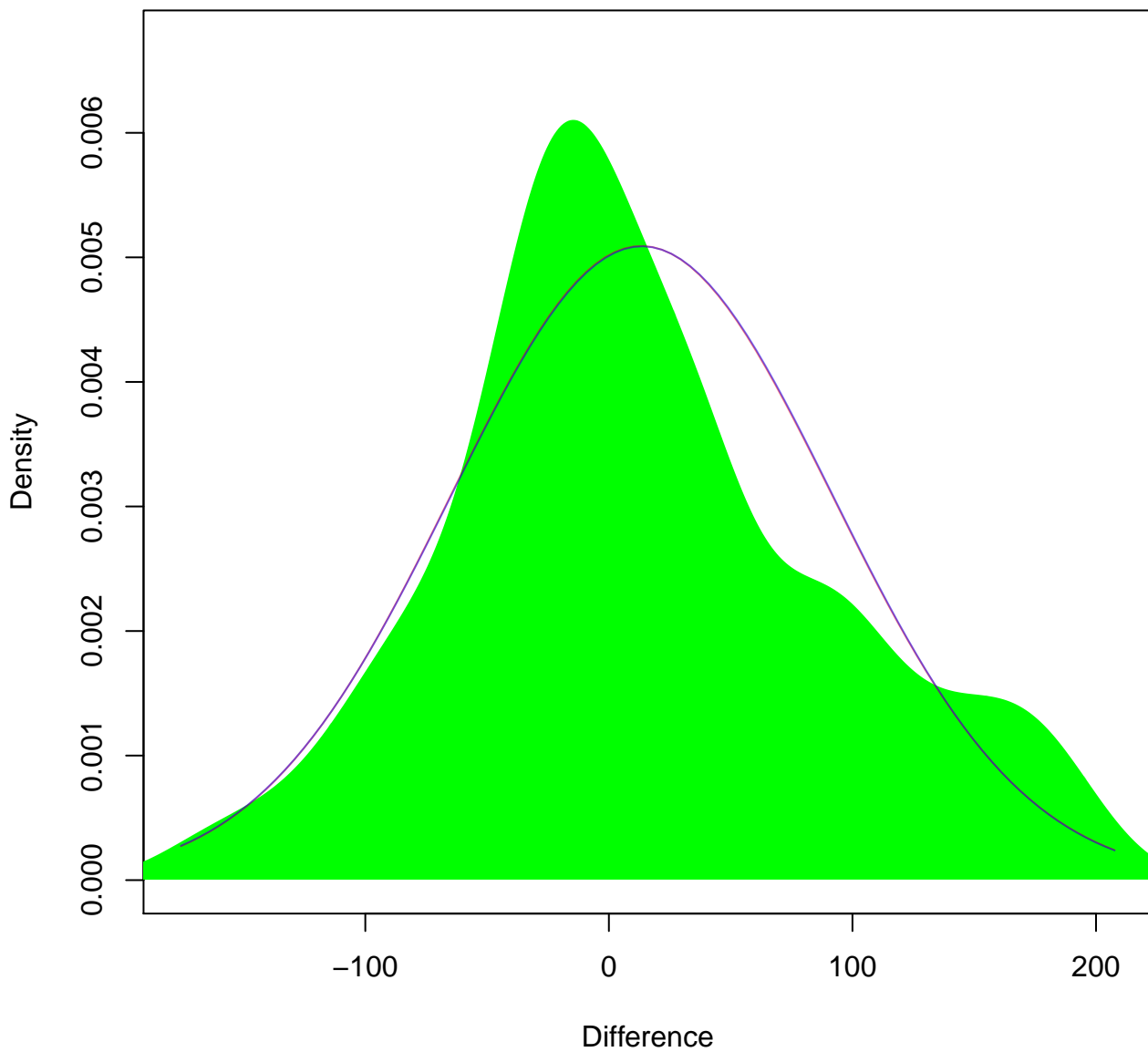
histogram of resid(bin.glme.test) Density of resid(bin.glme.test)



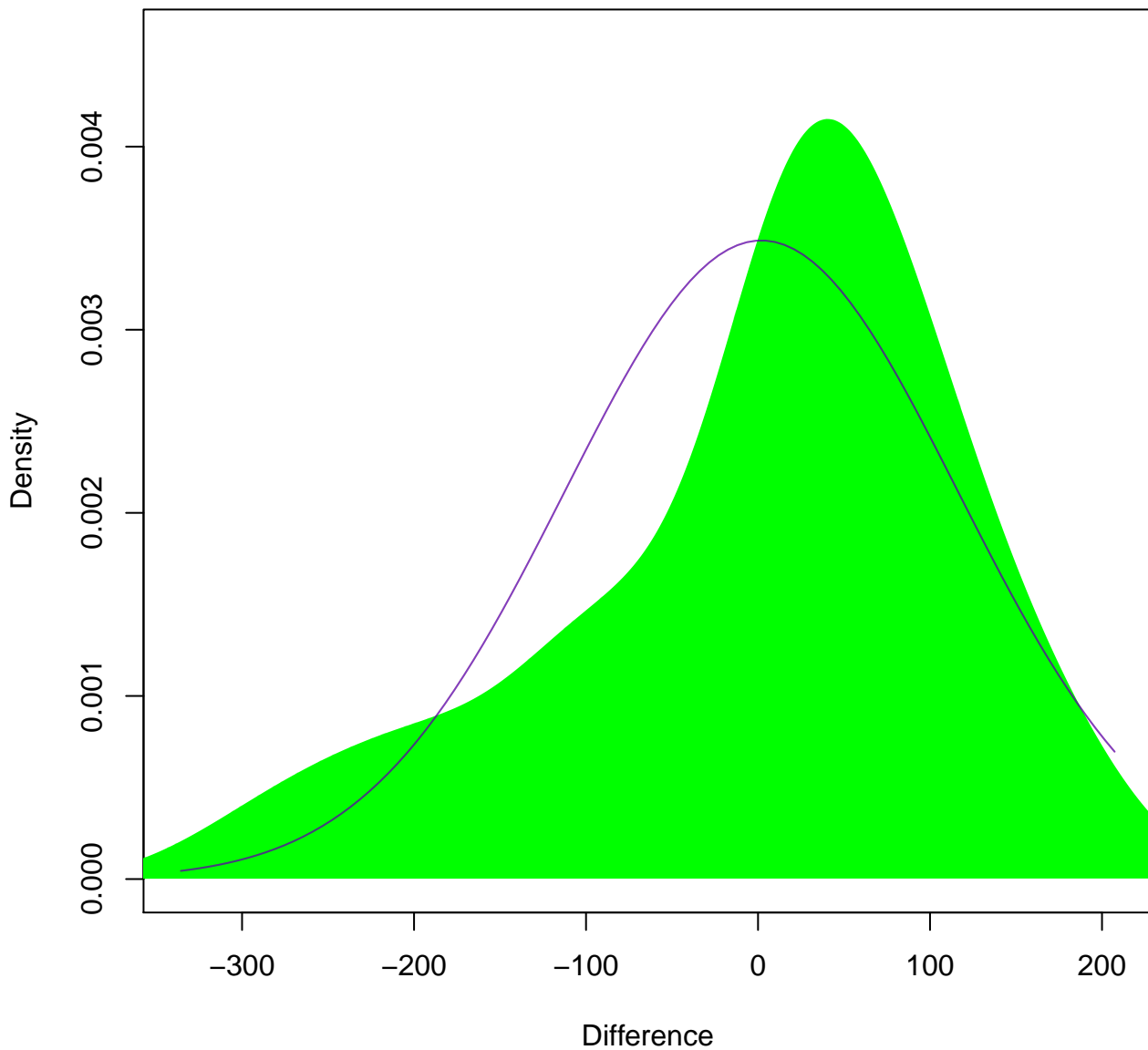
Boxplot of resid(bin.glme.test) Q-Q Plot of resid(bin.glme.test)



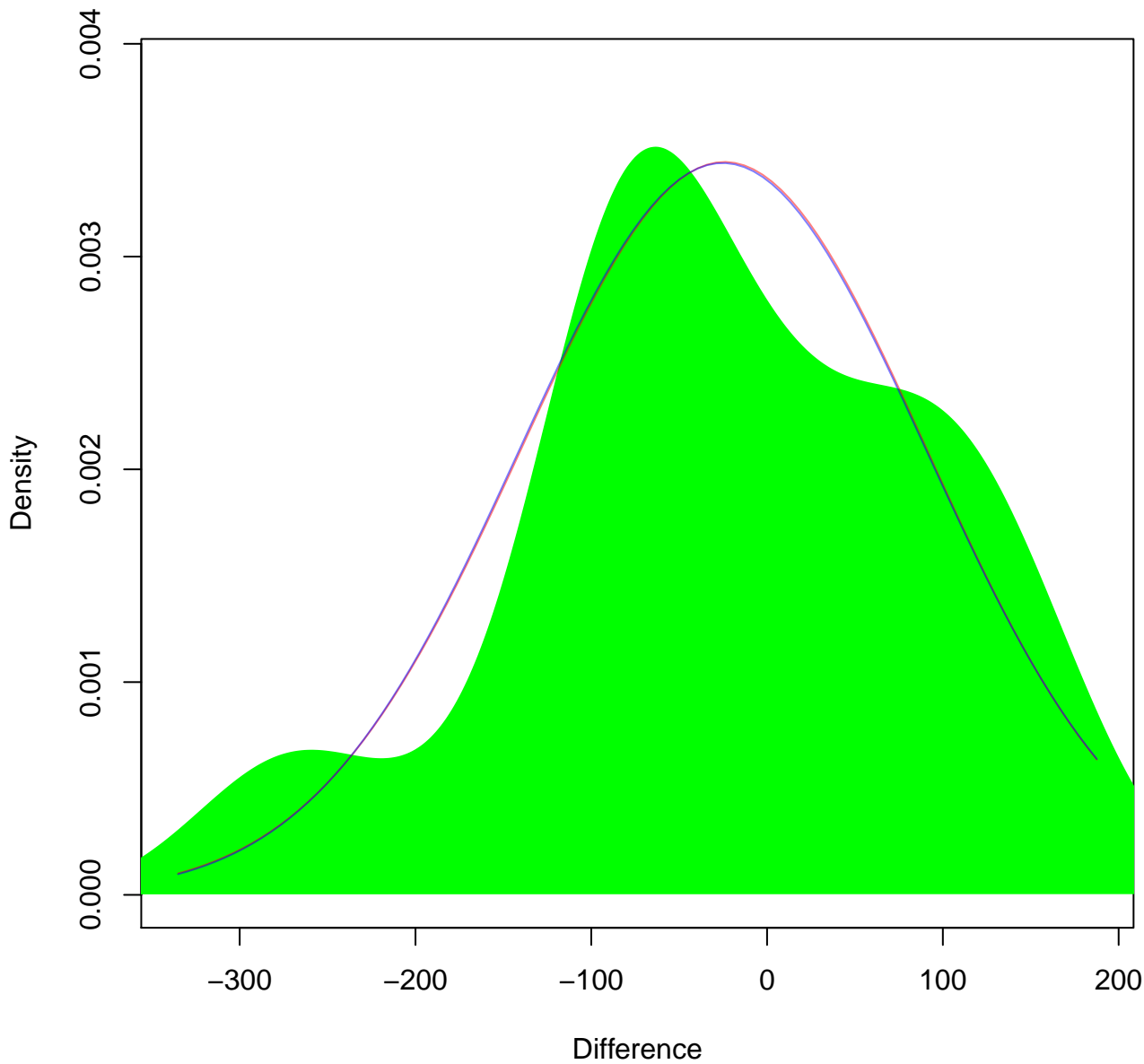
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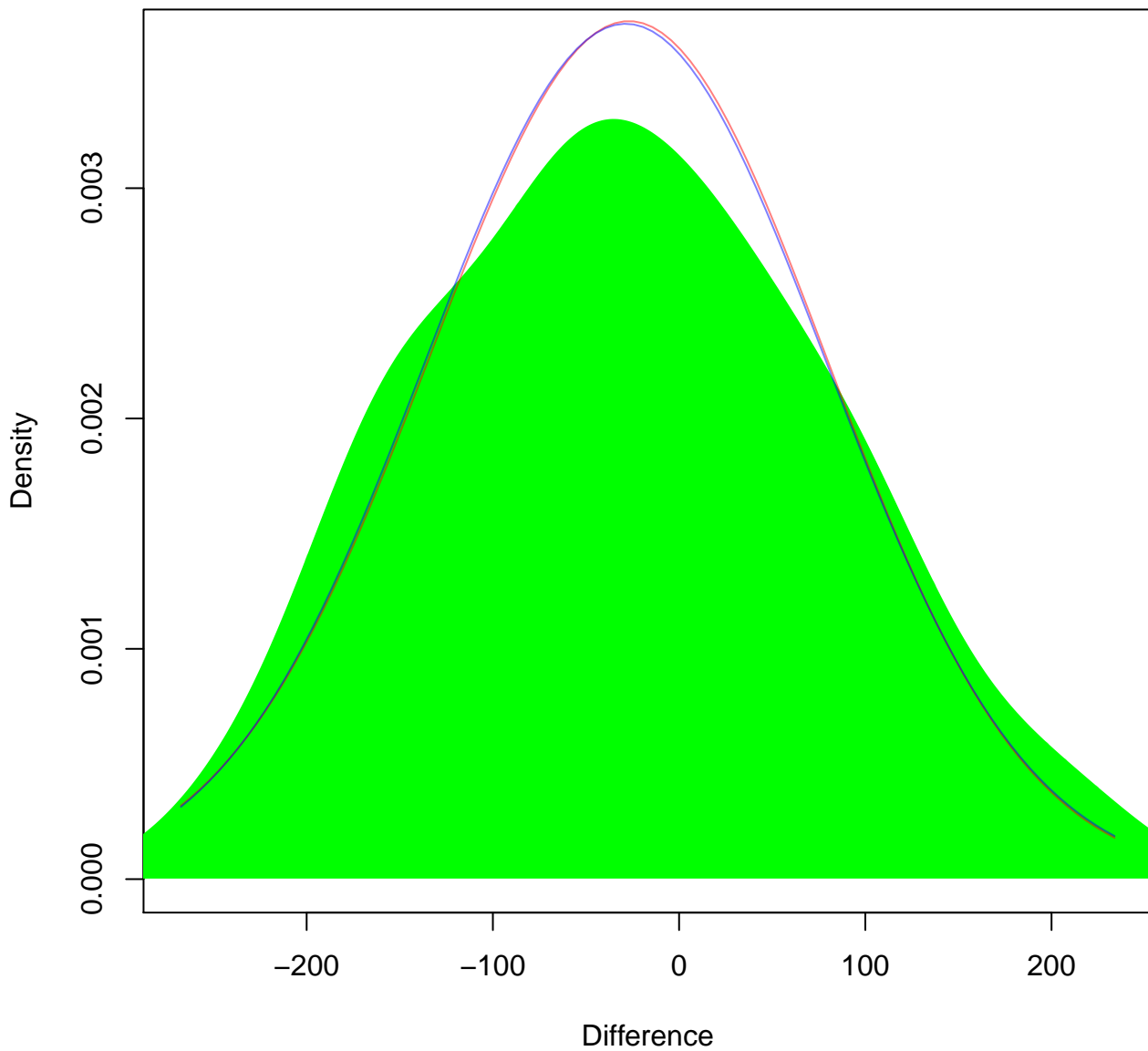
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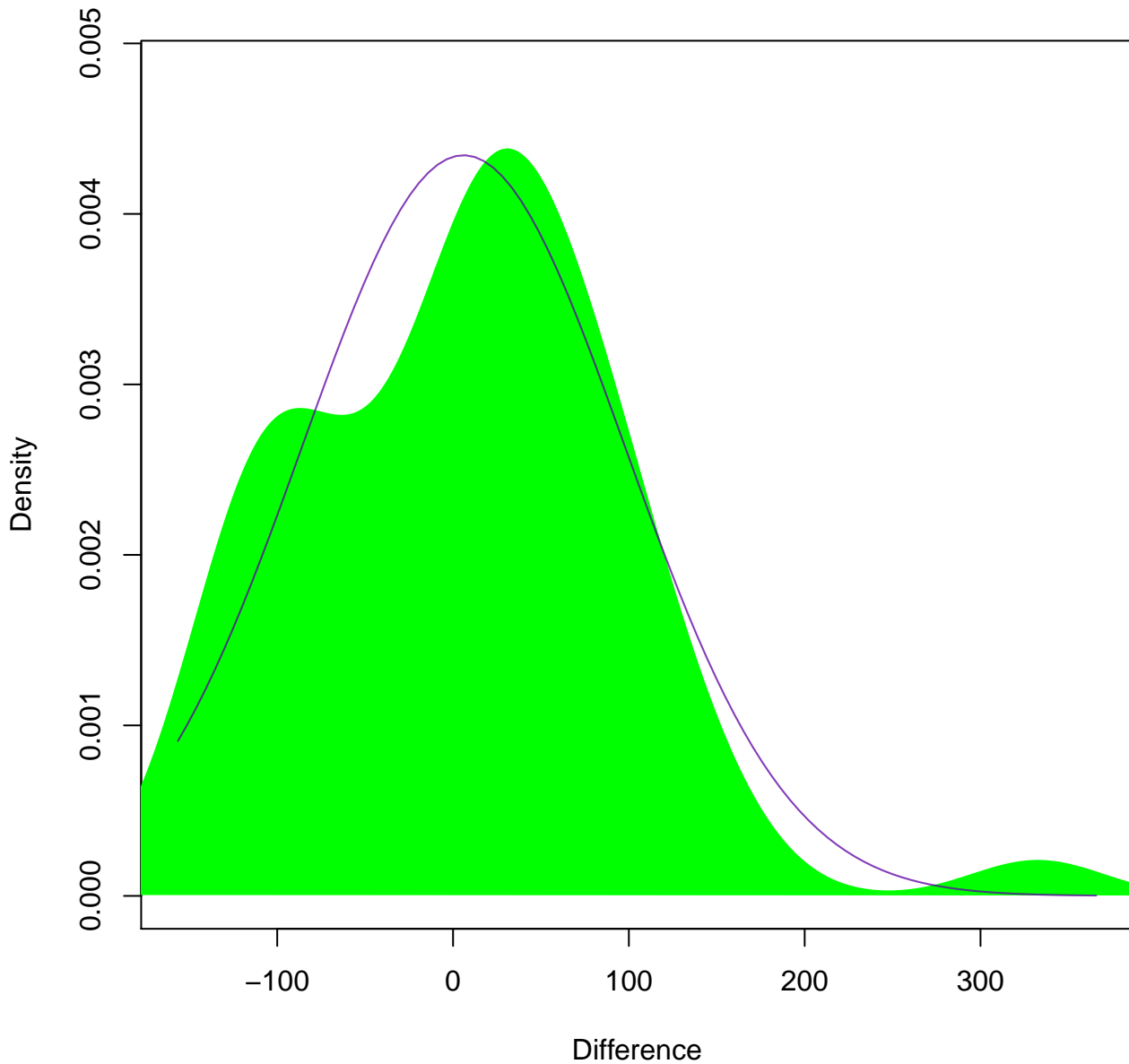
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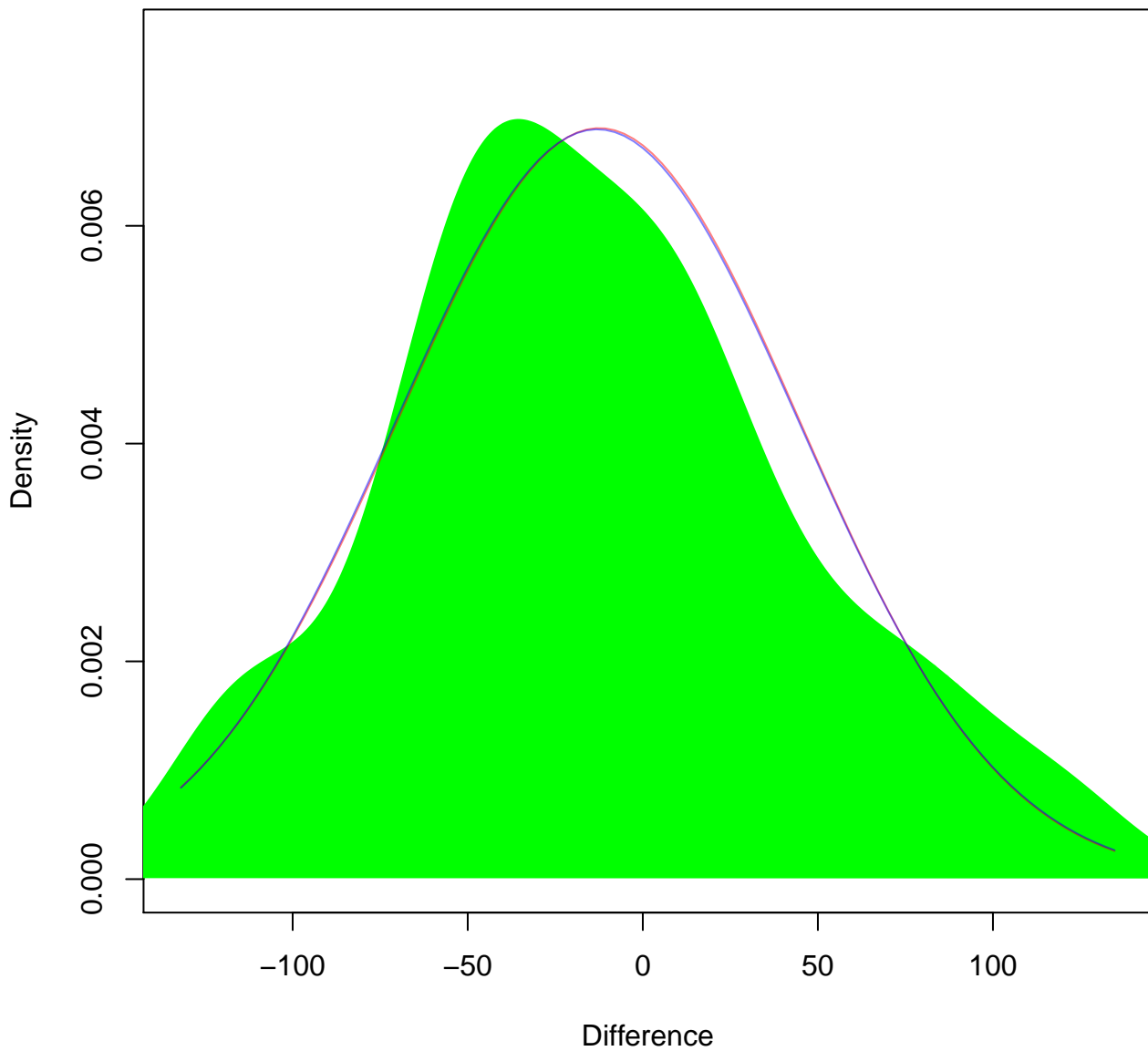
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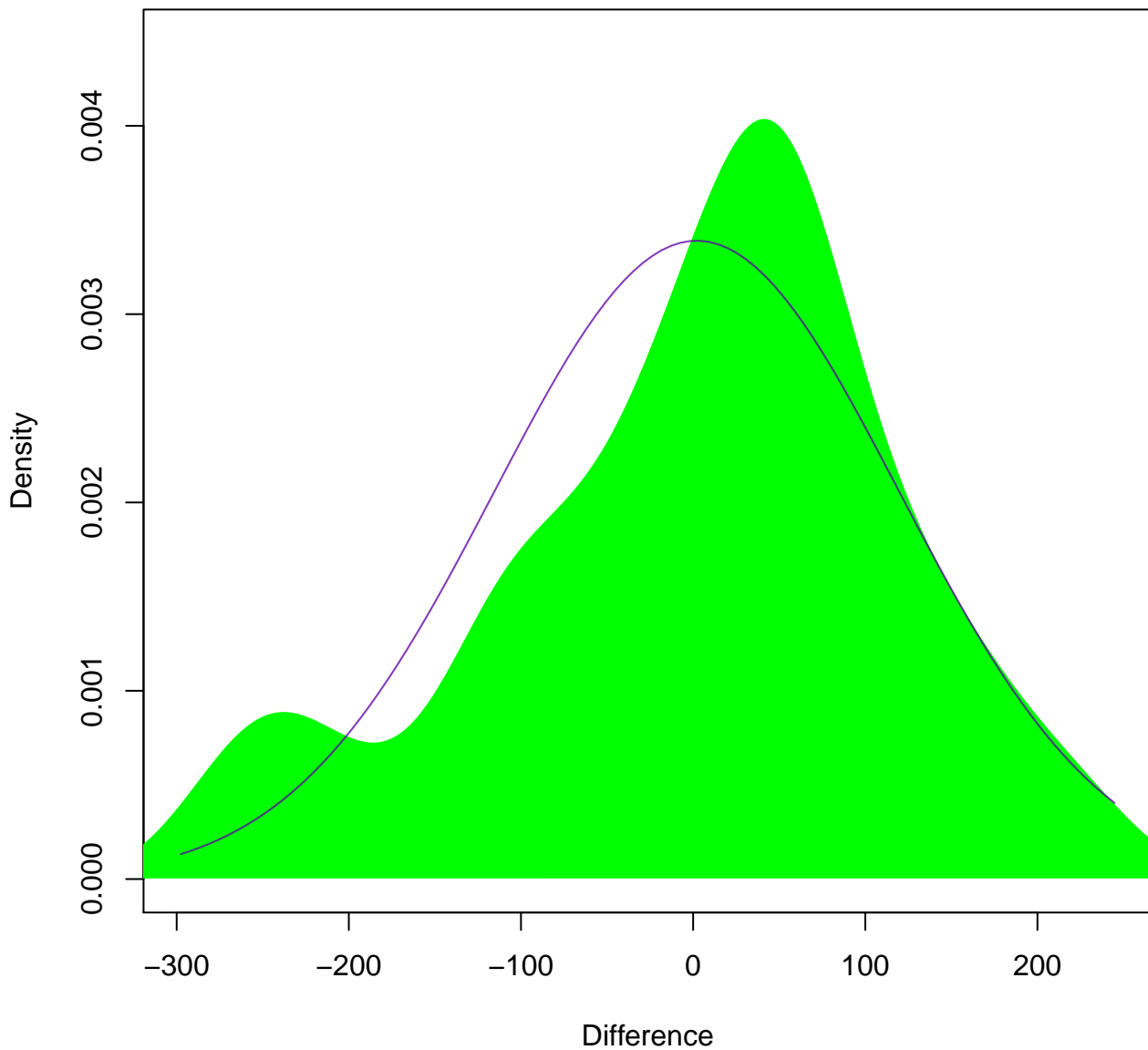
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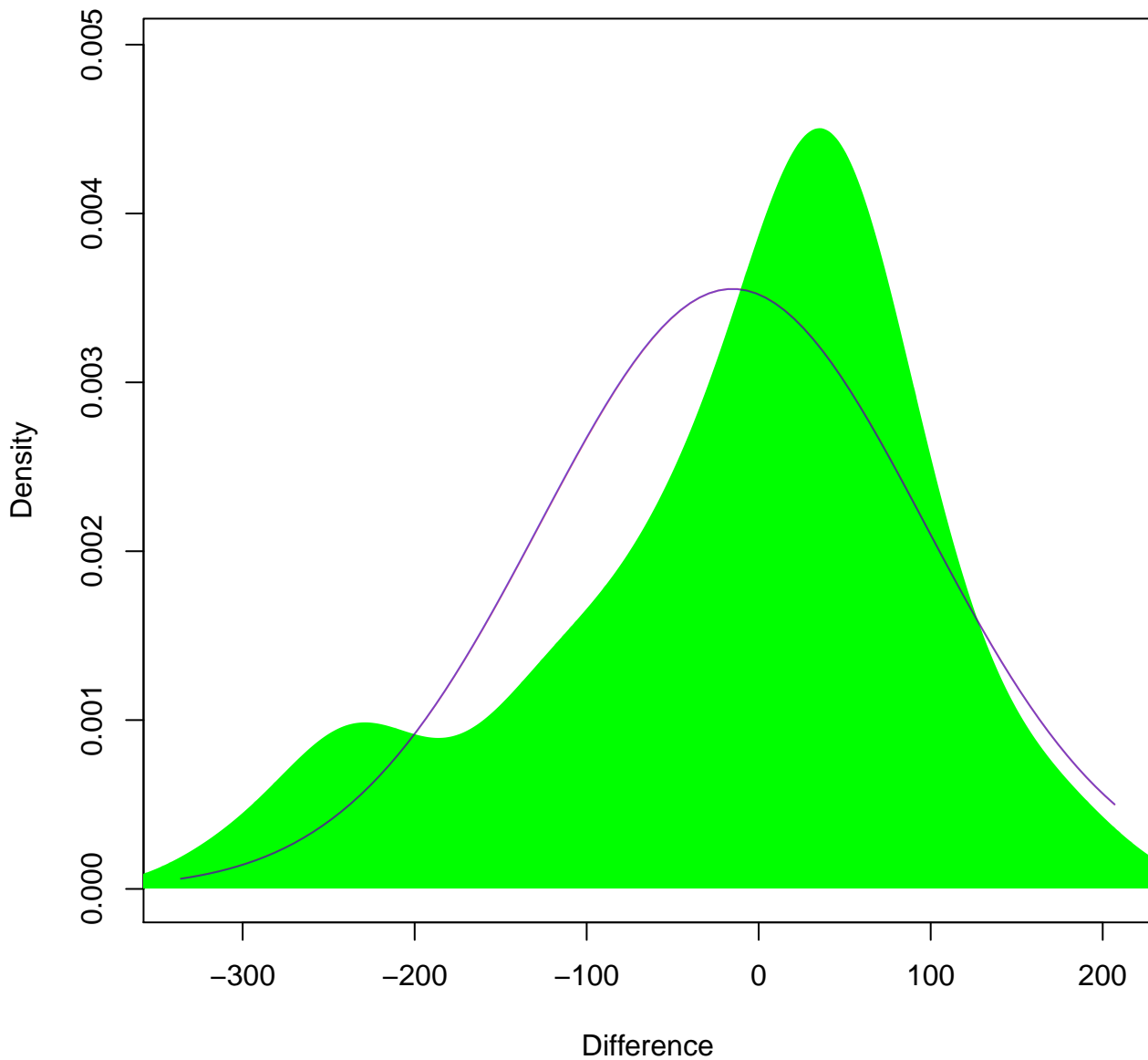
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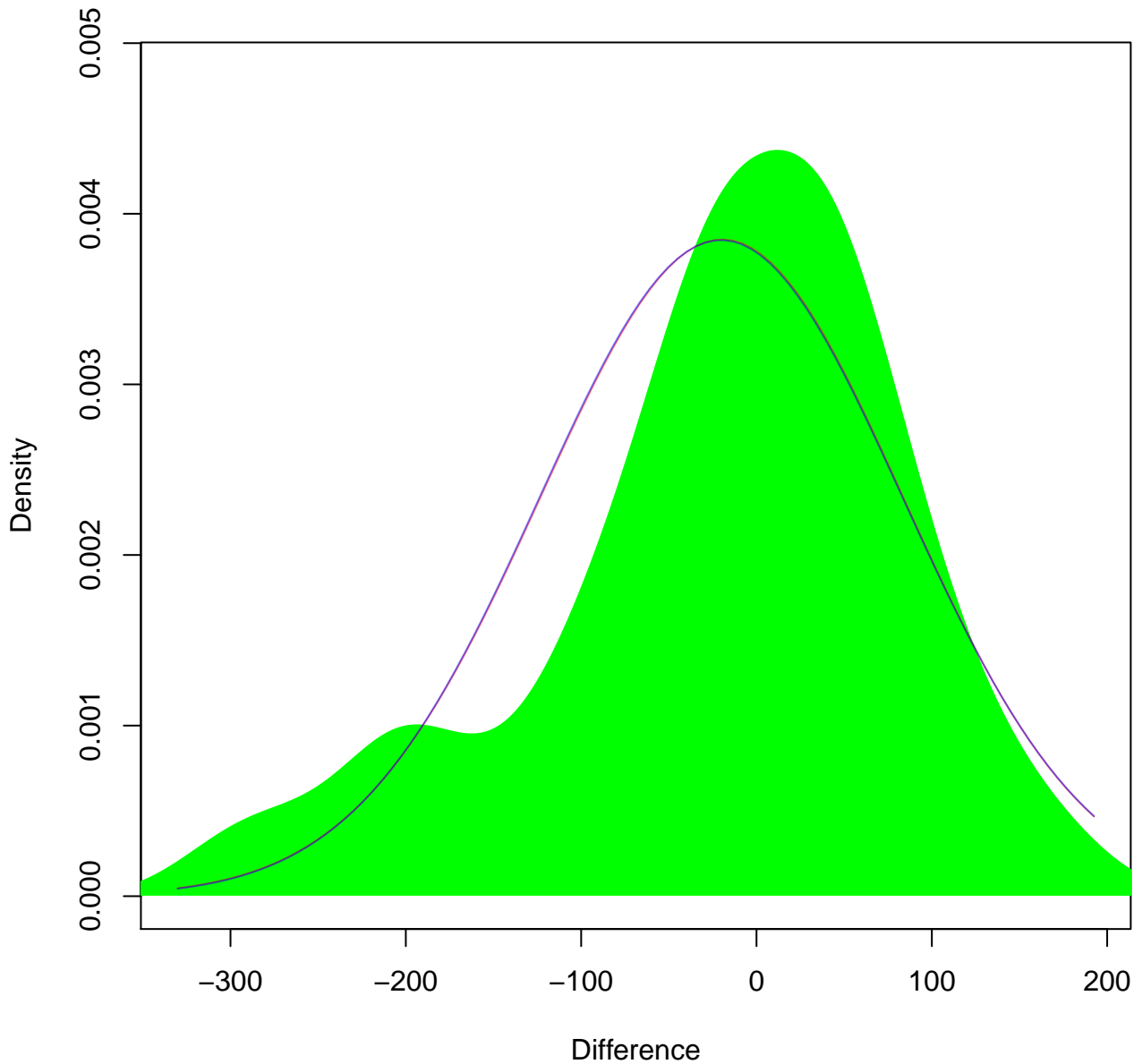
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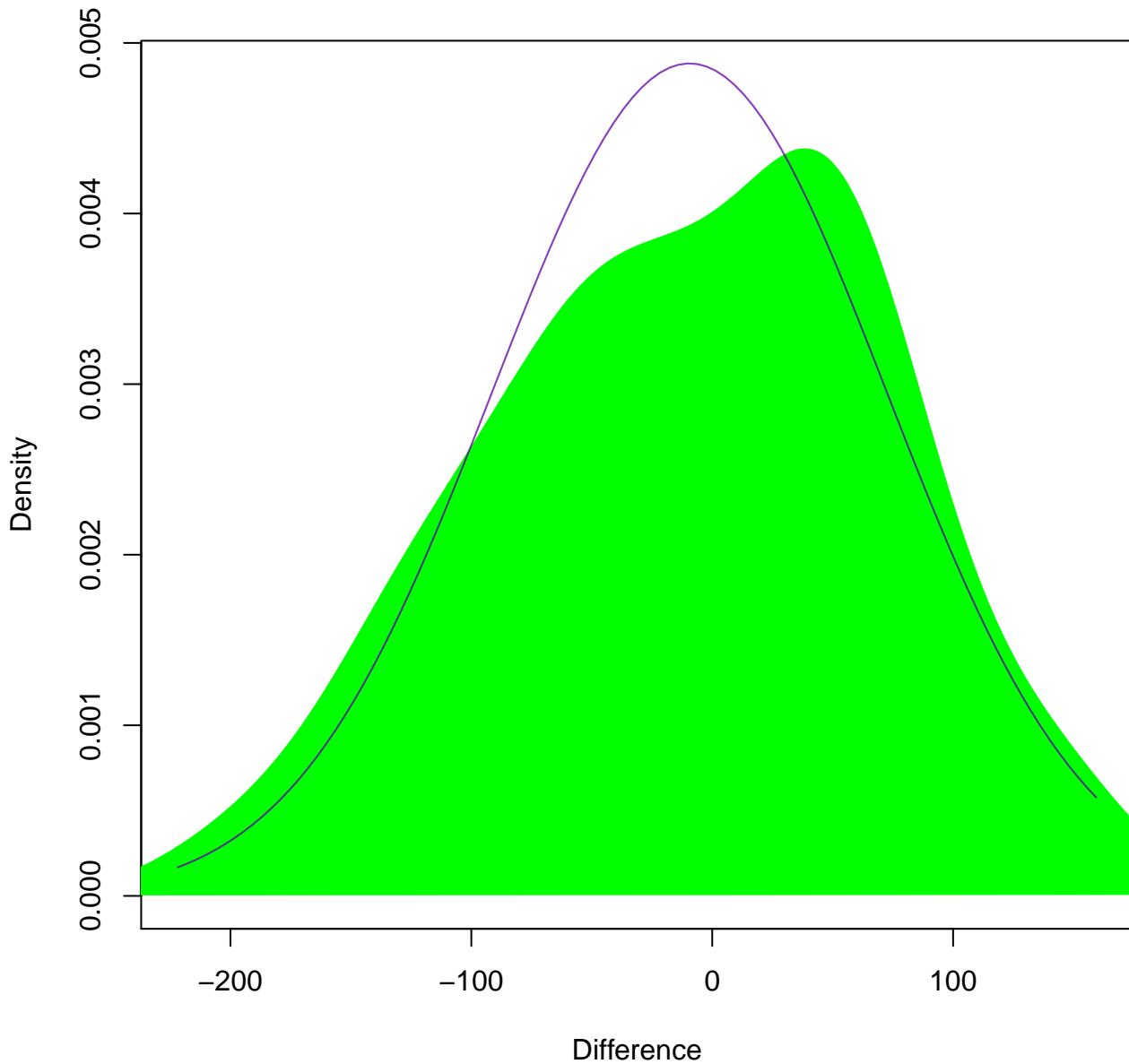
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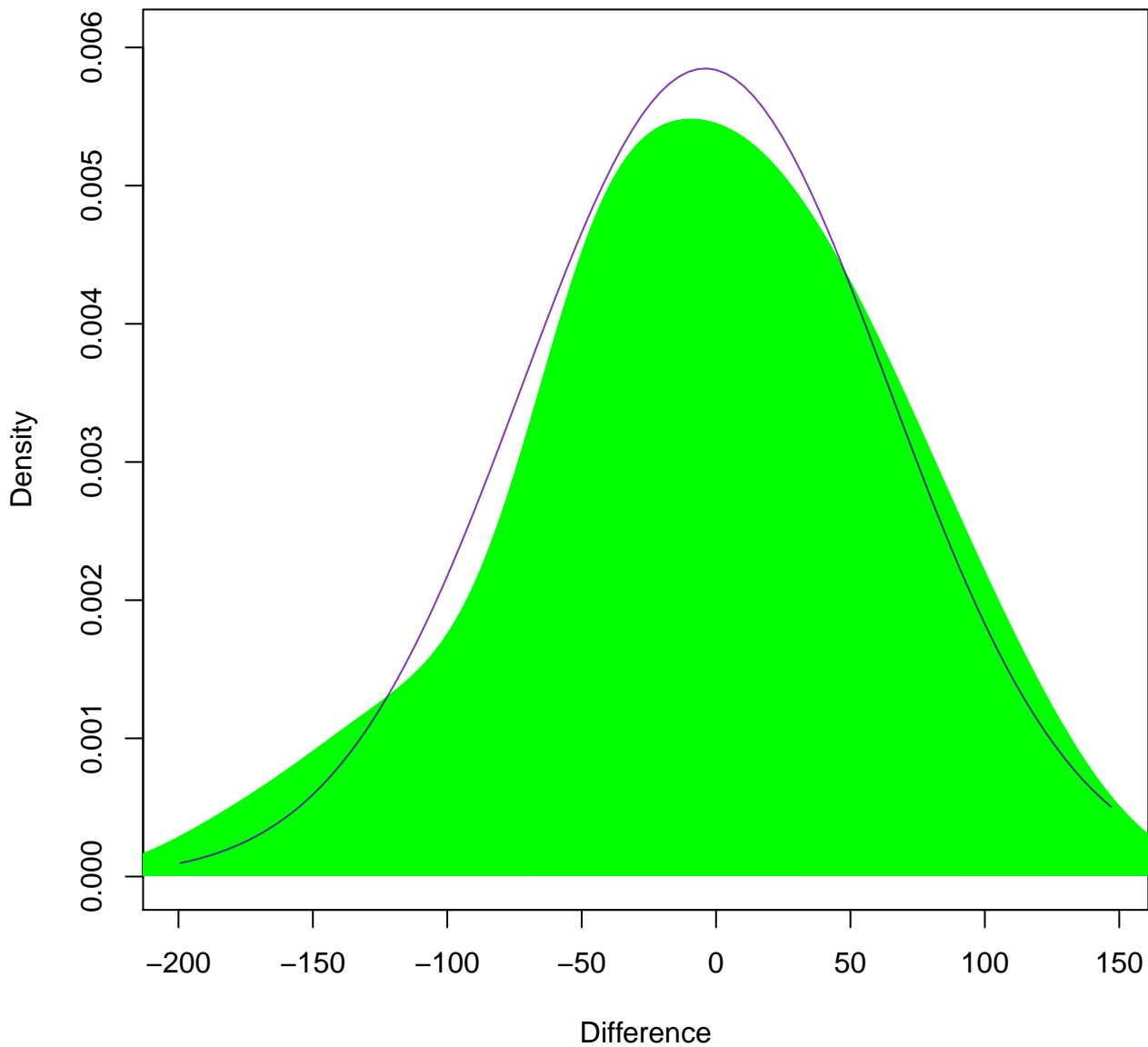
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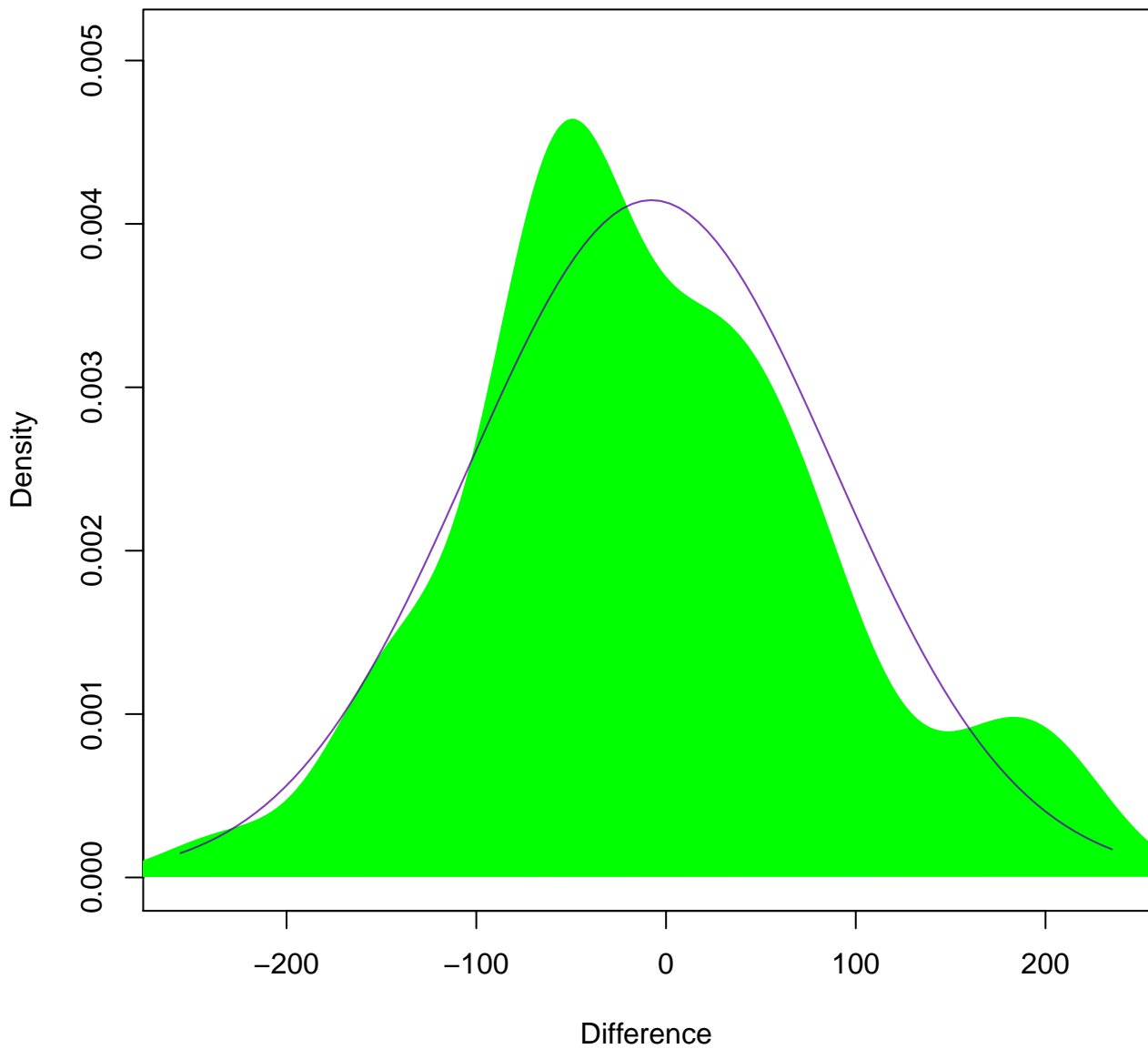
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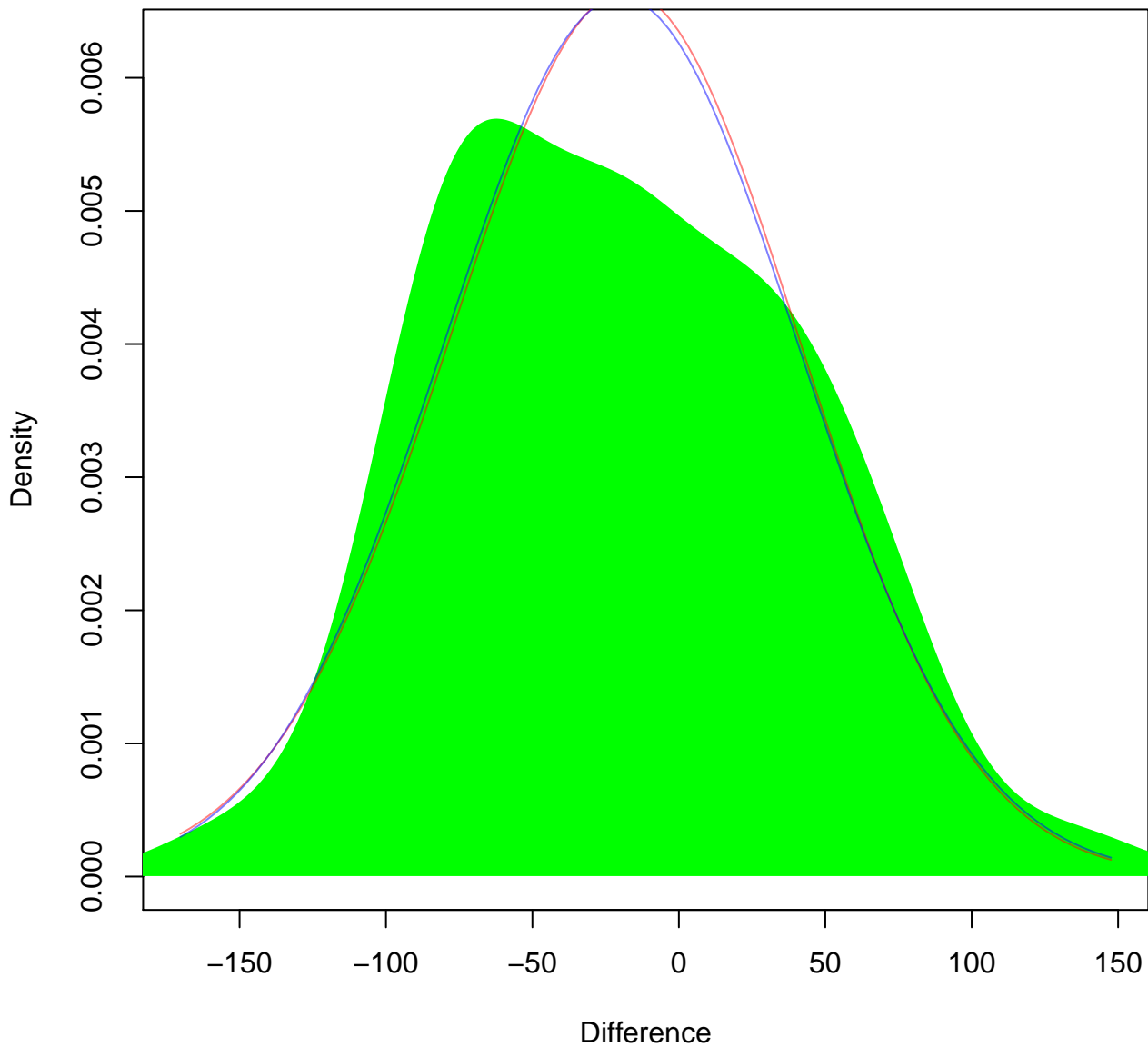
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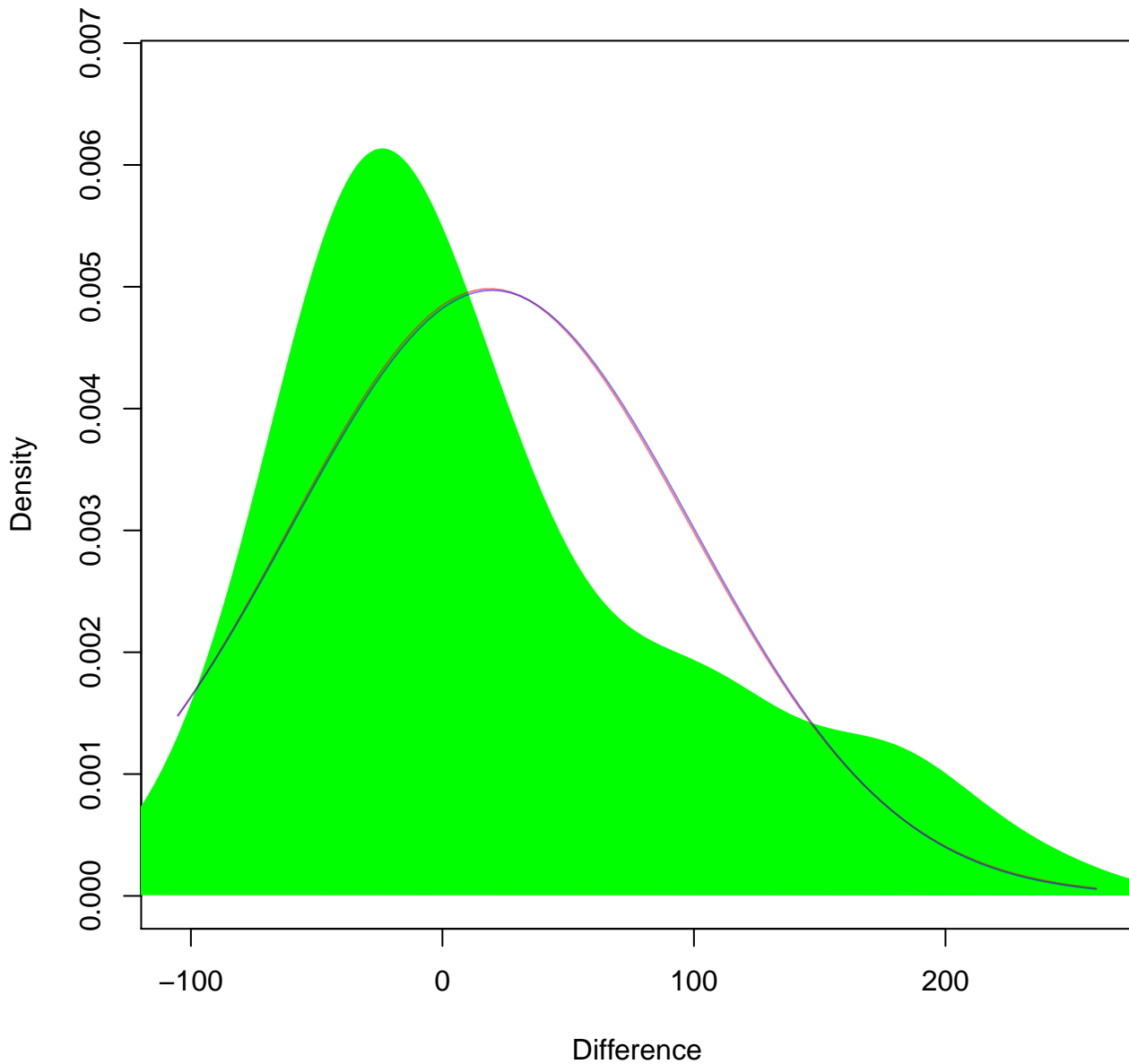
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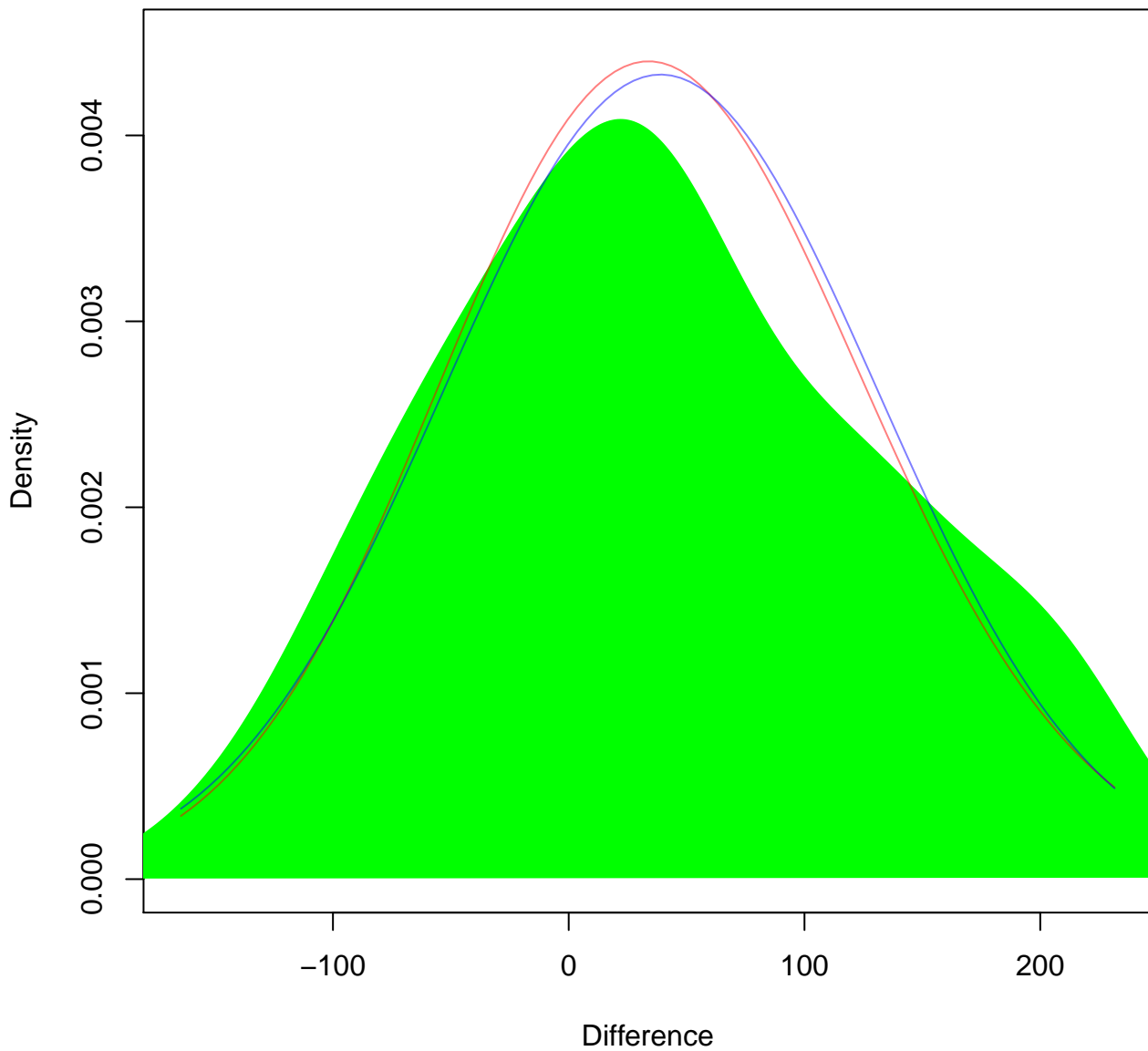
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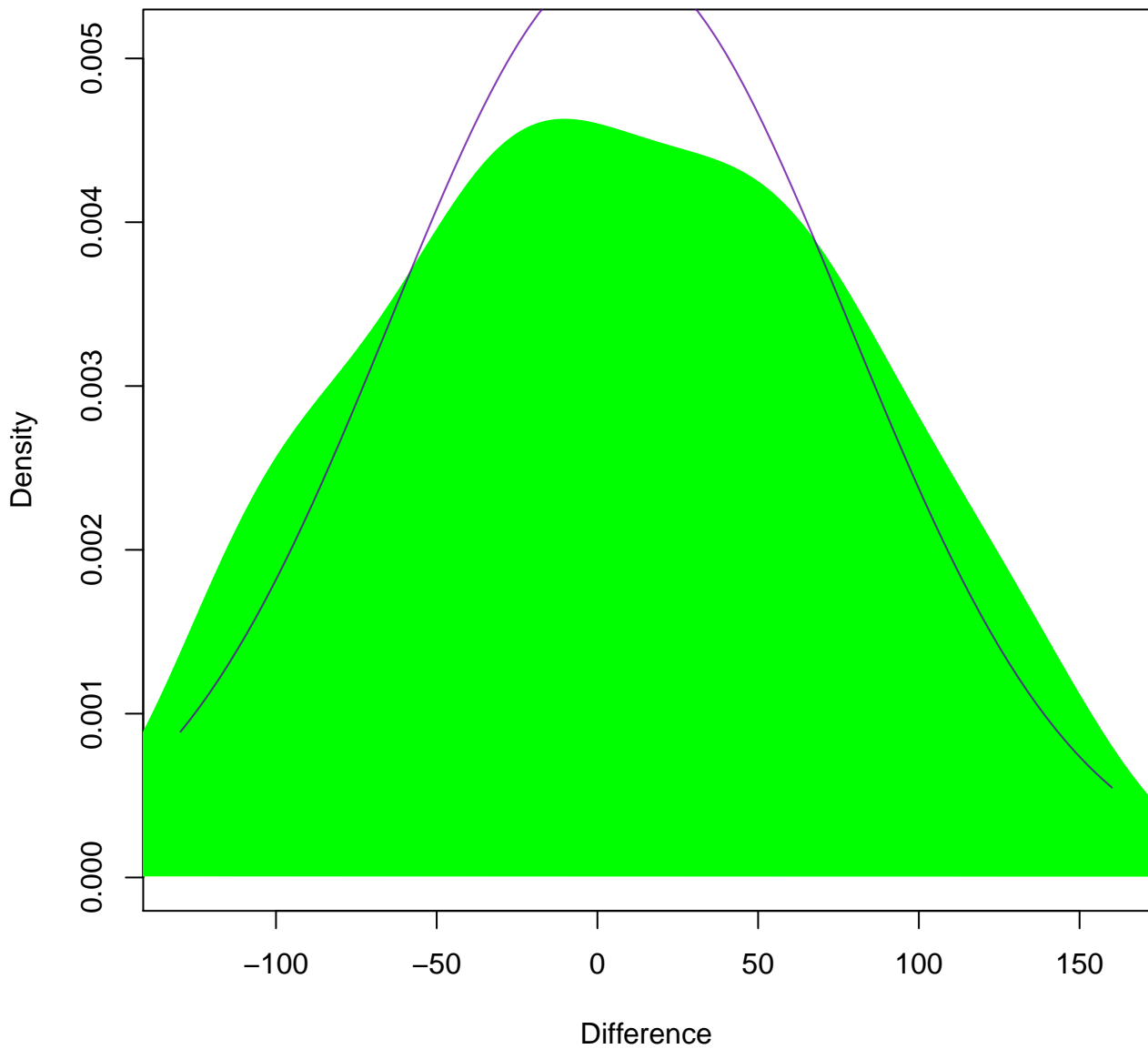
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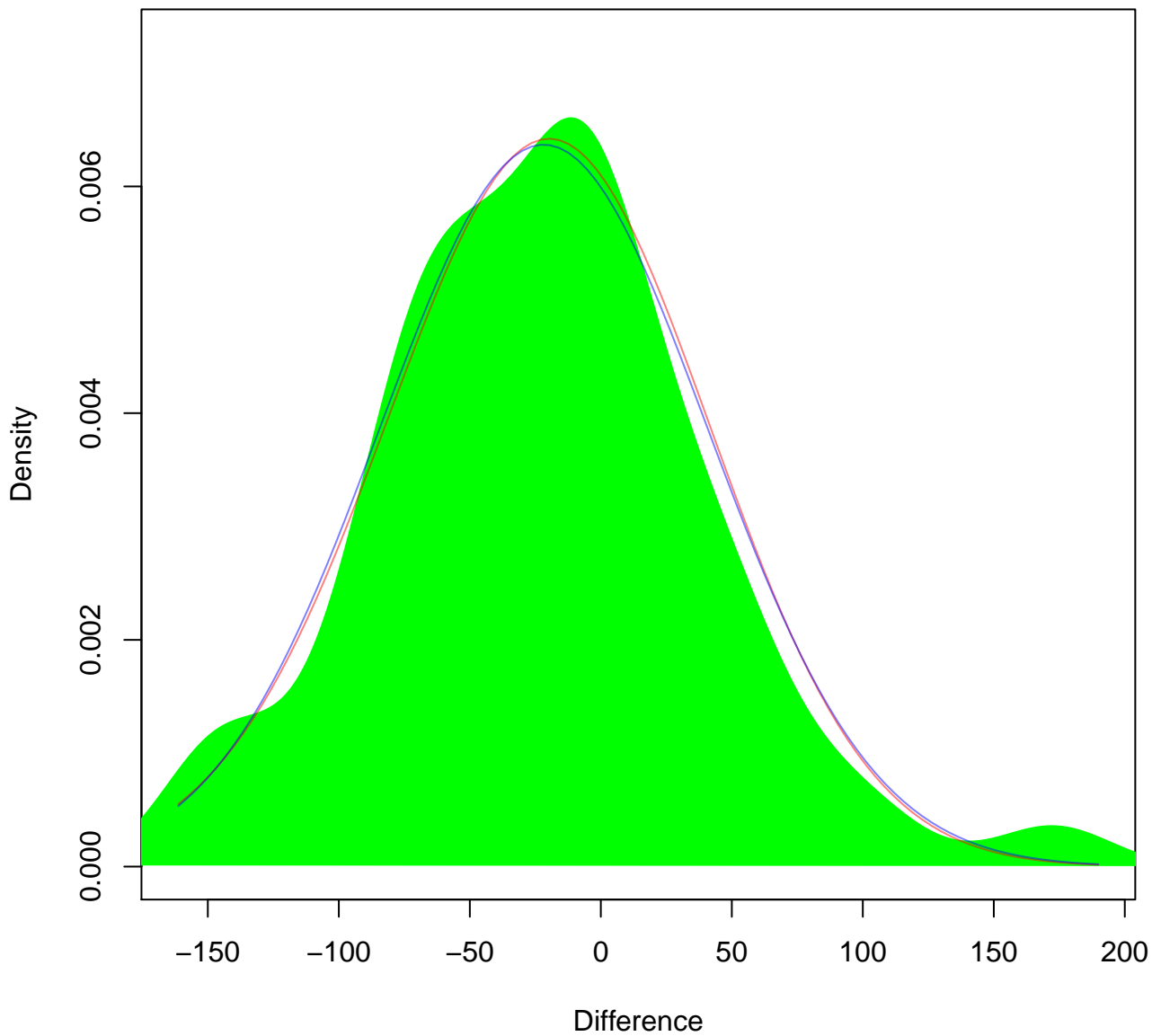
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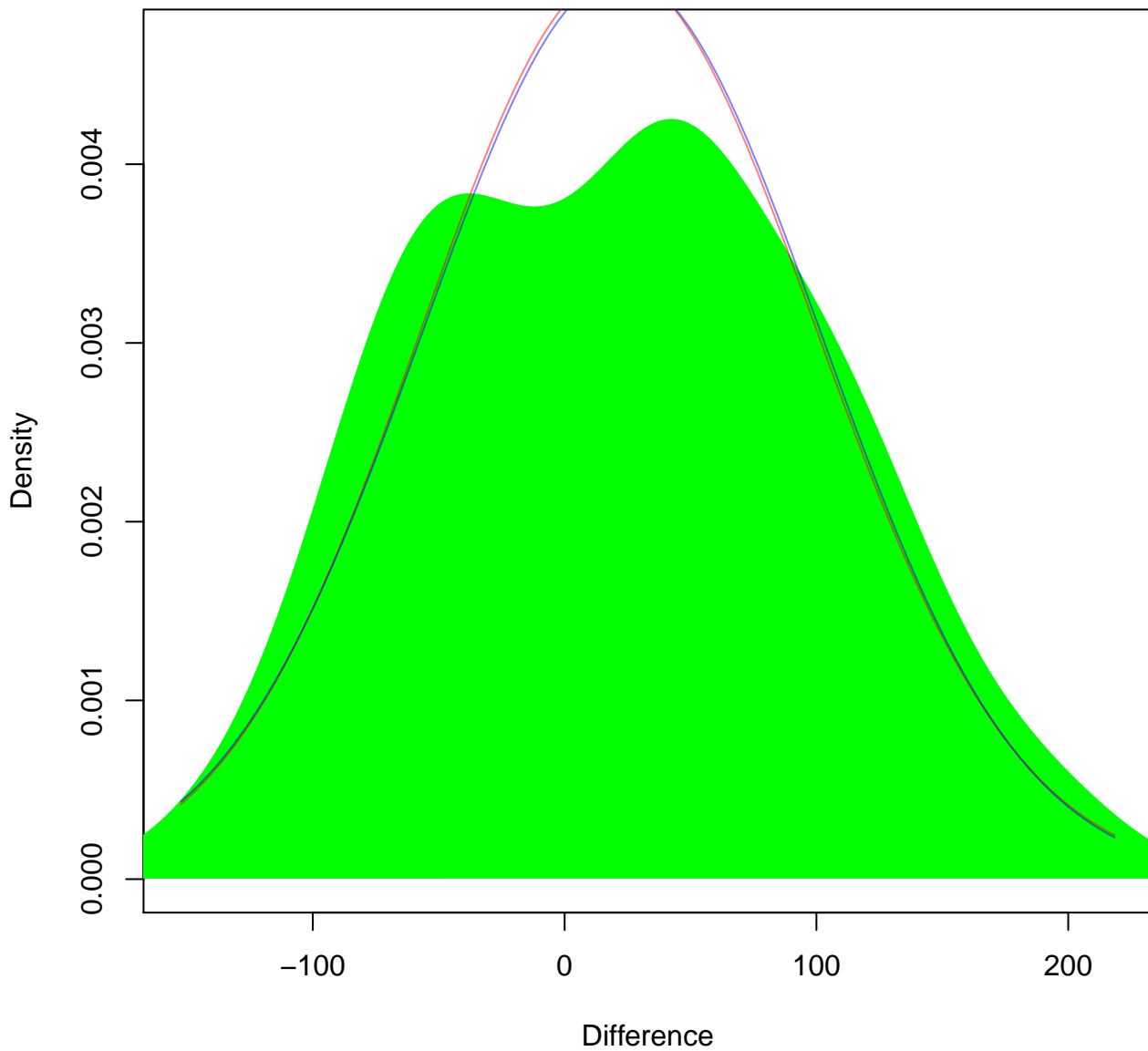
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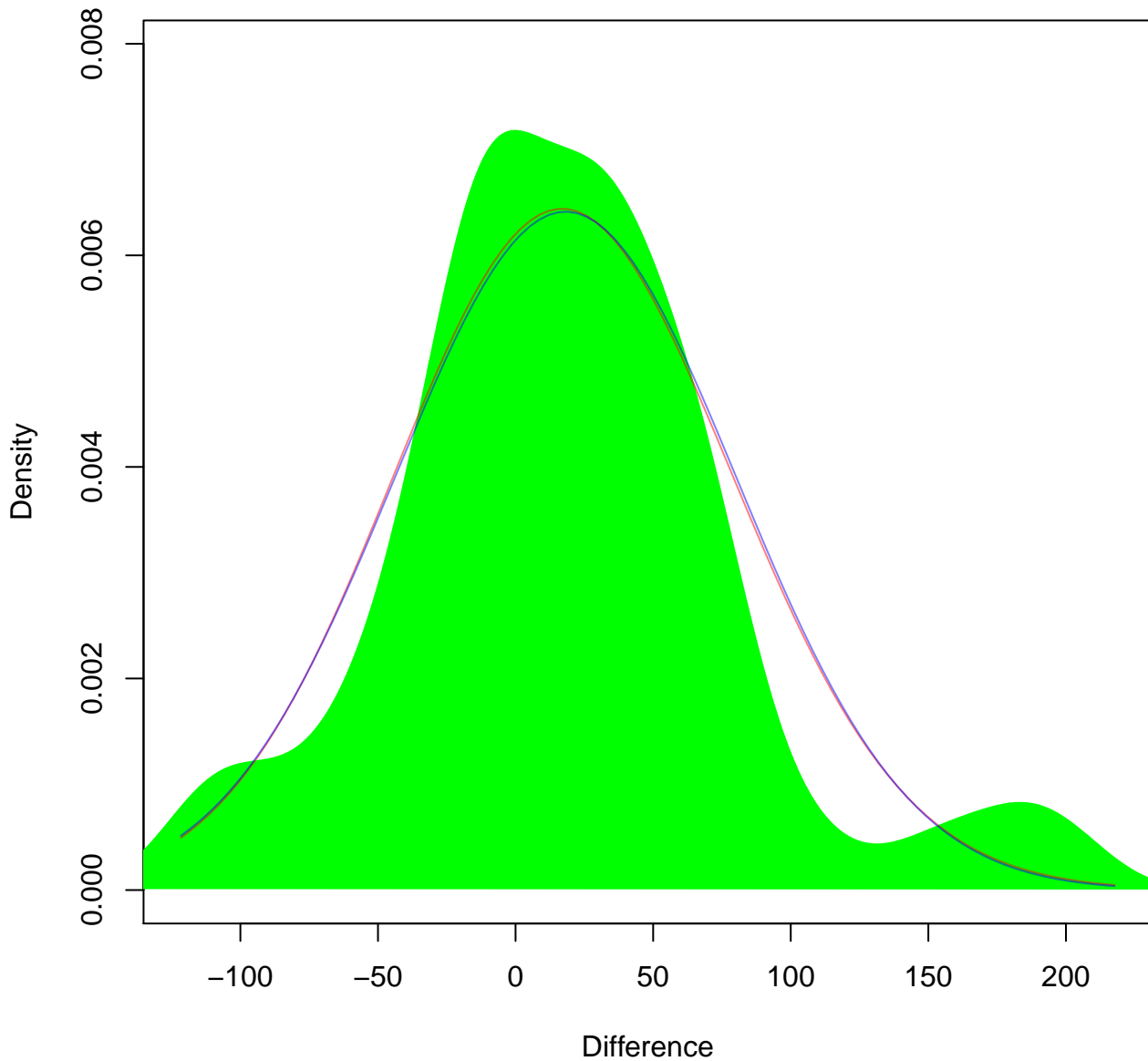
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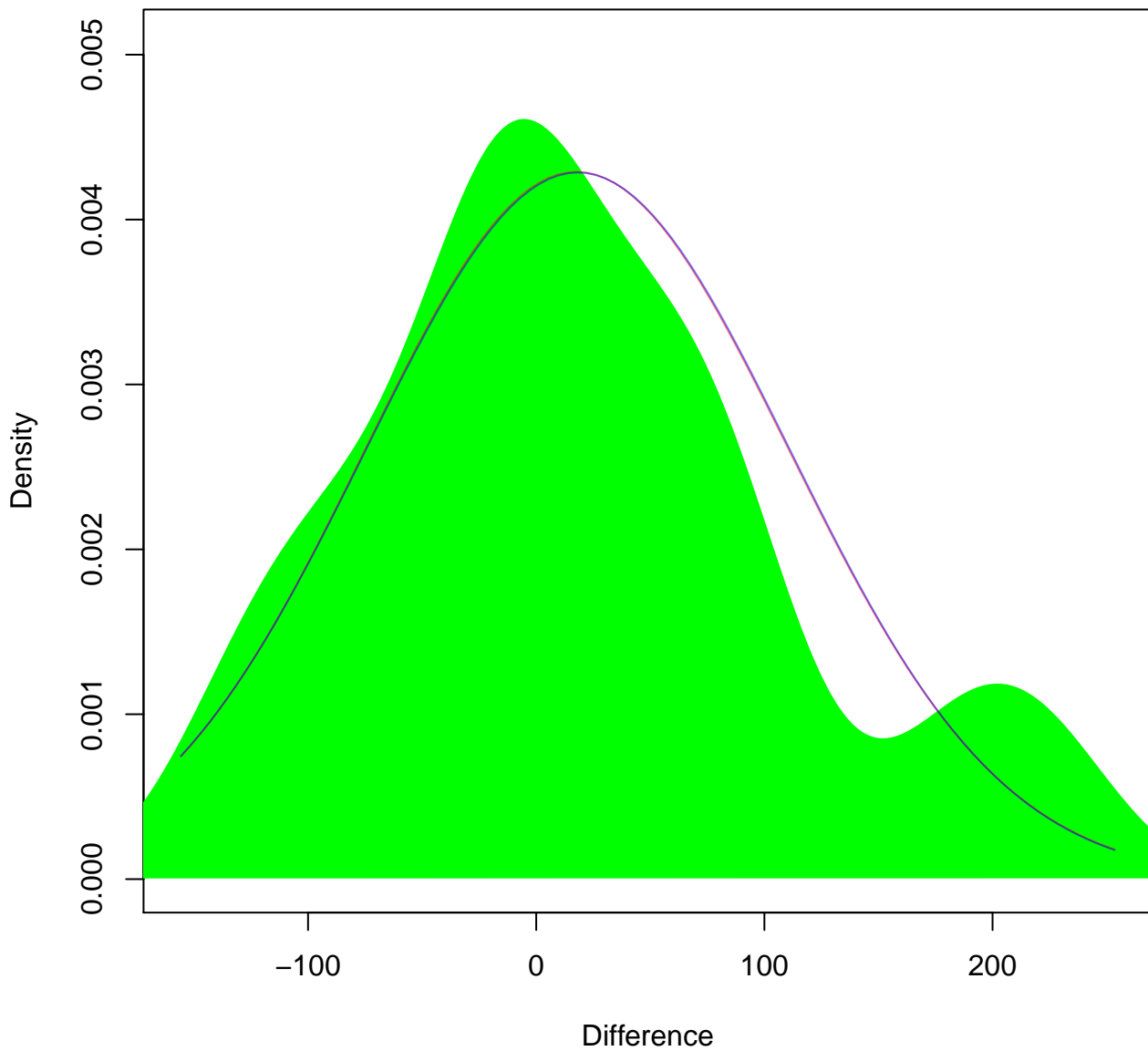
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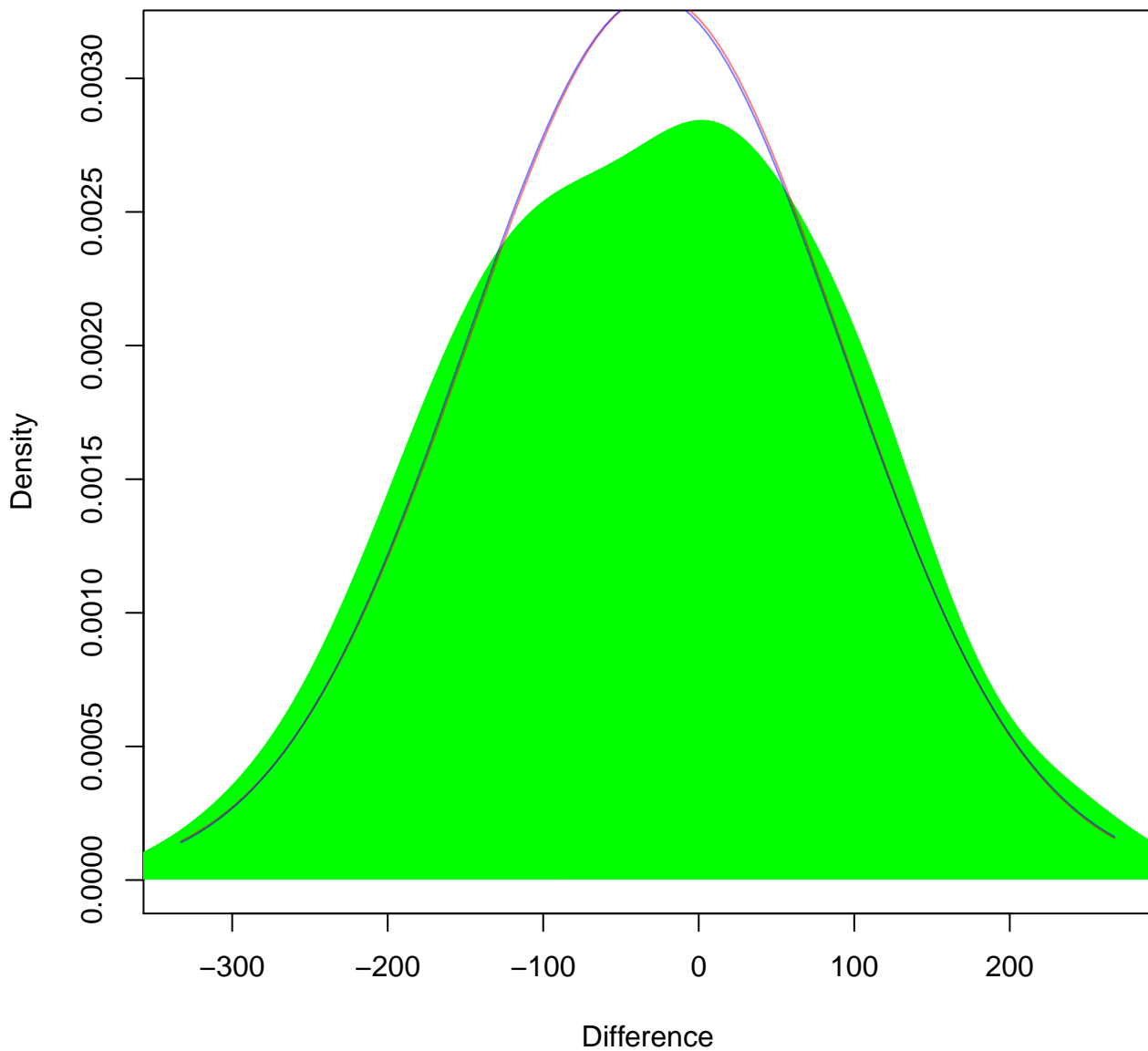
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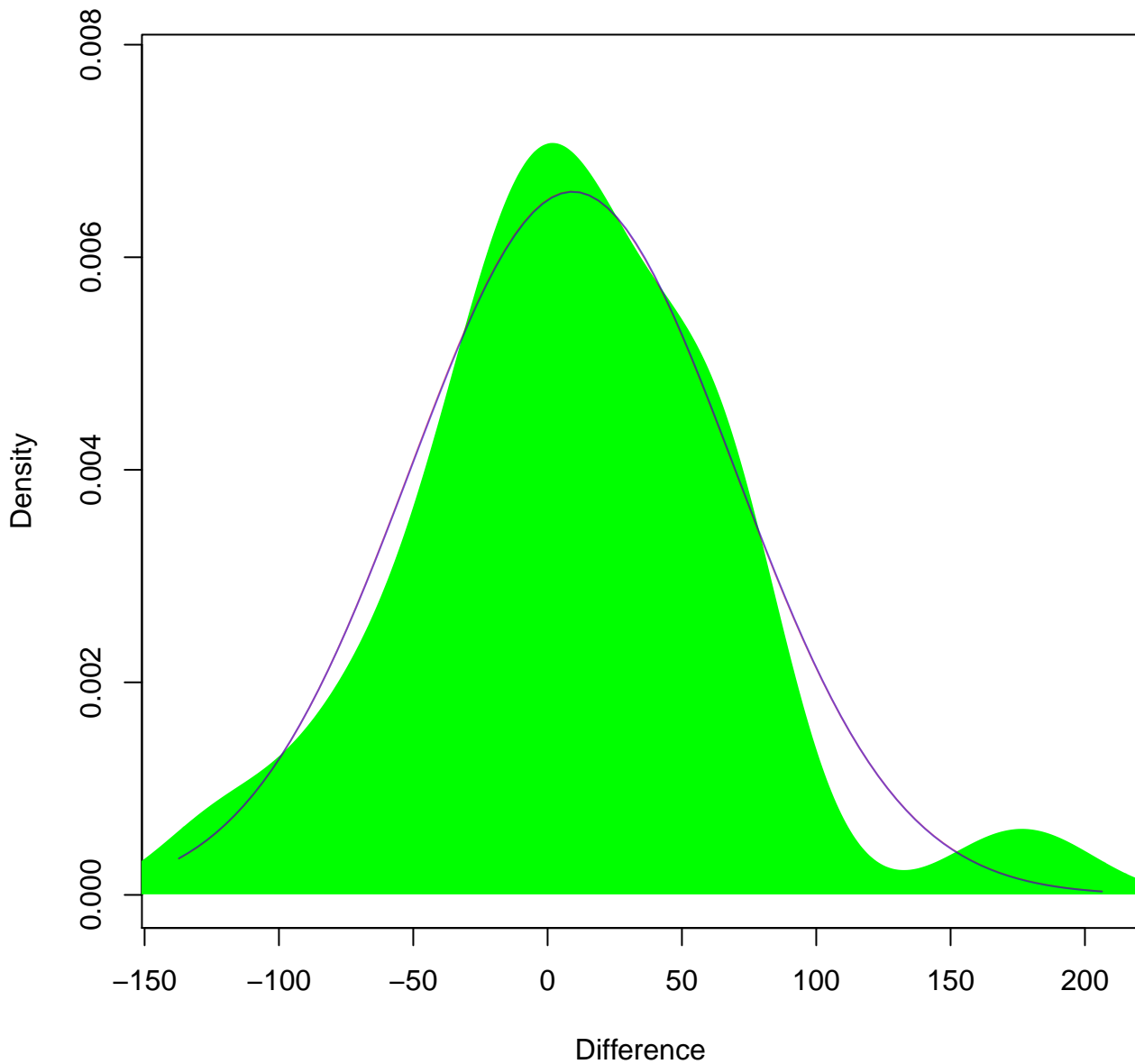
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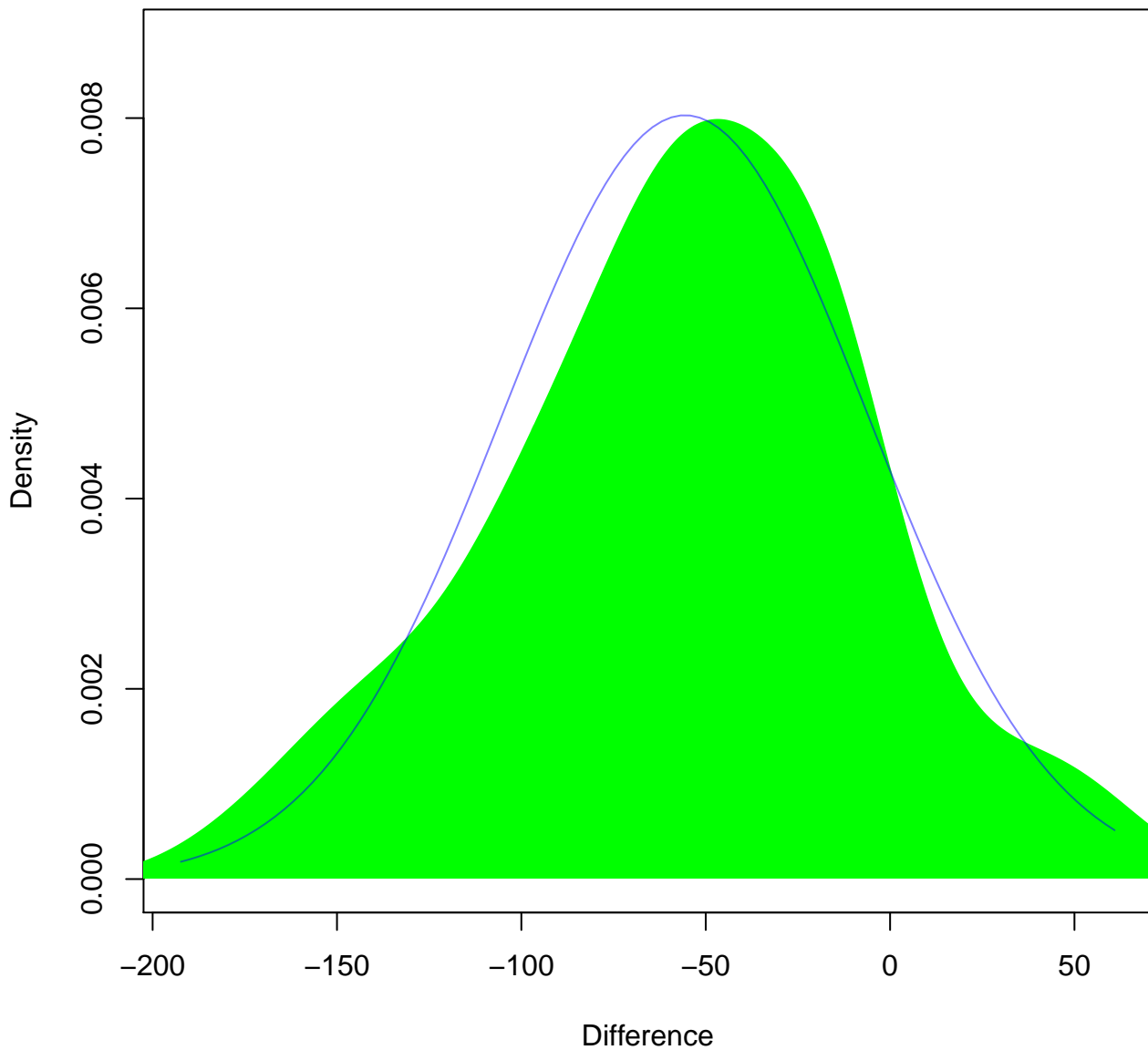
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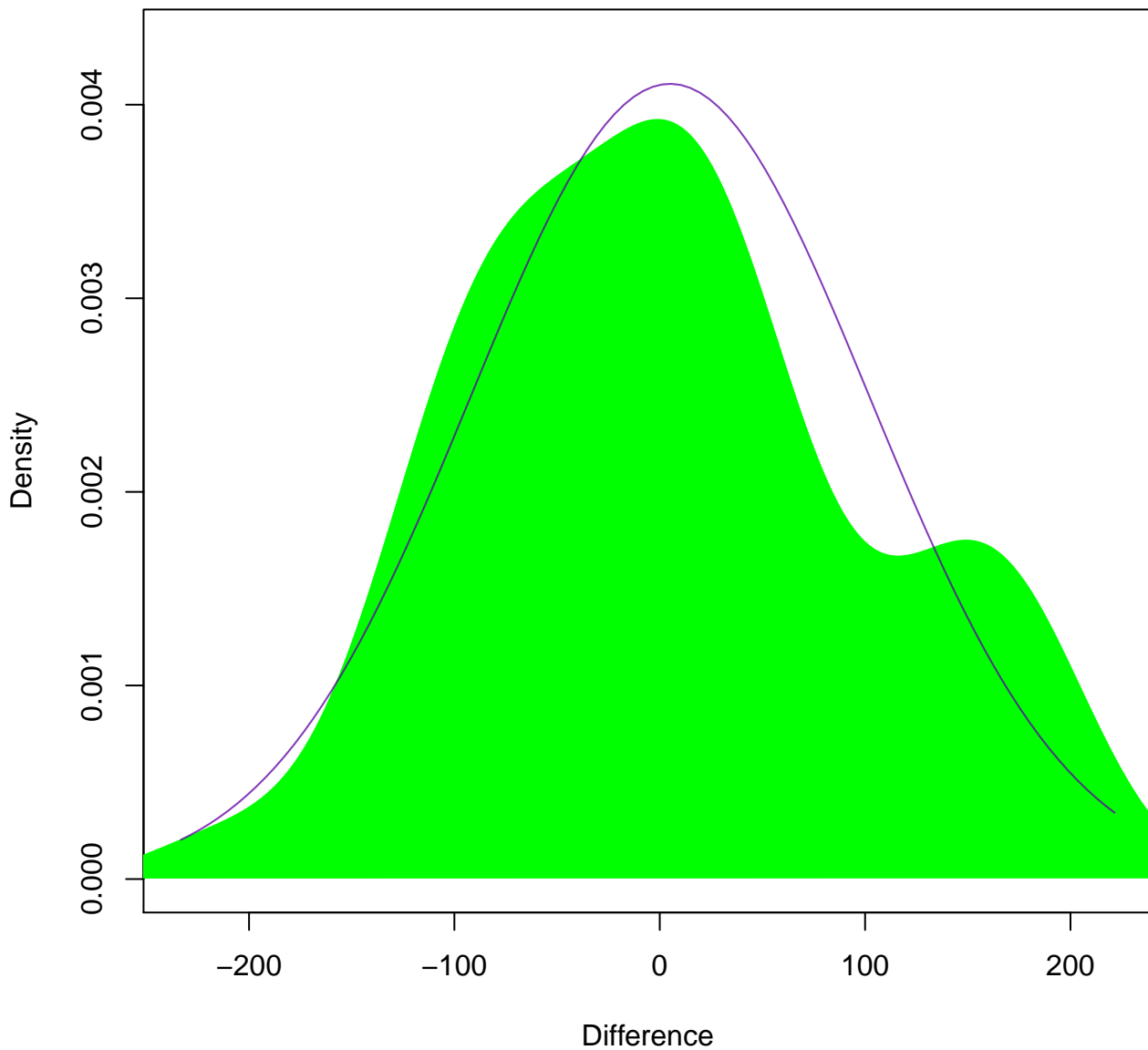
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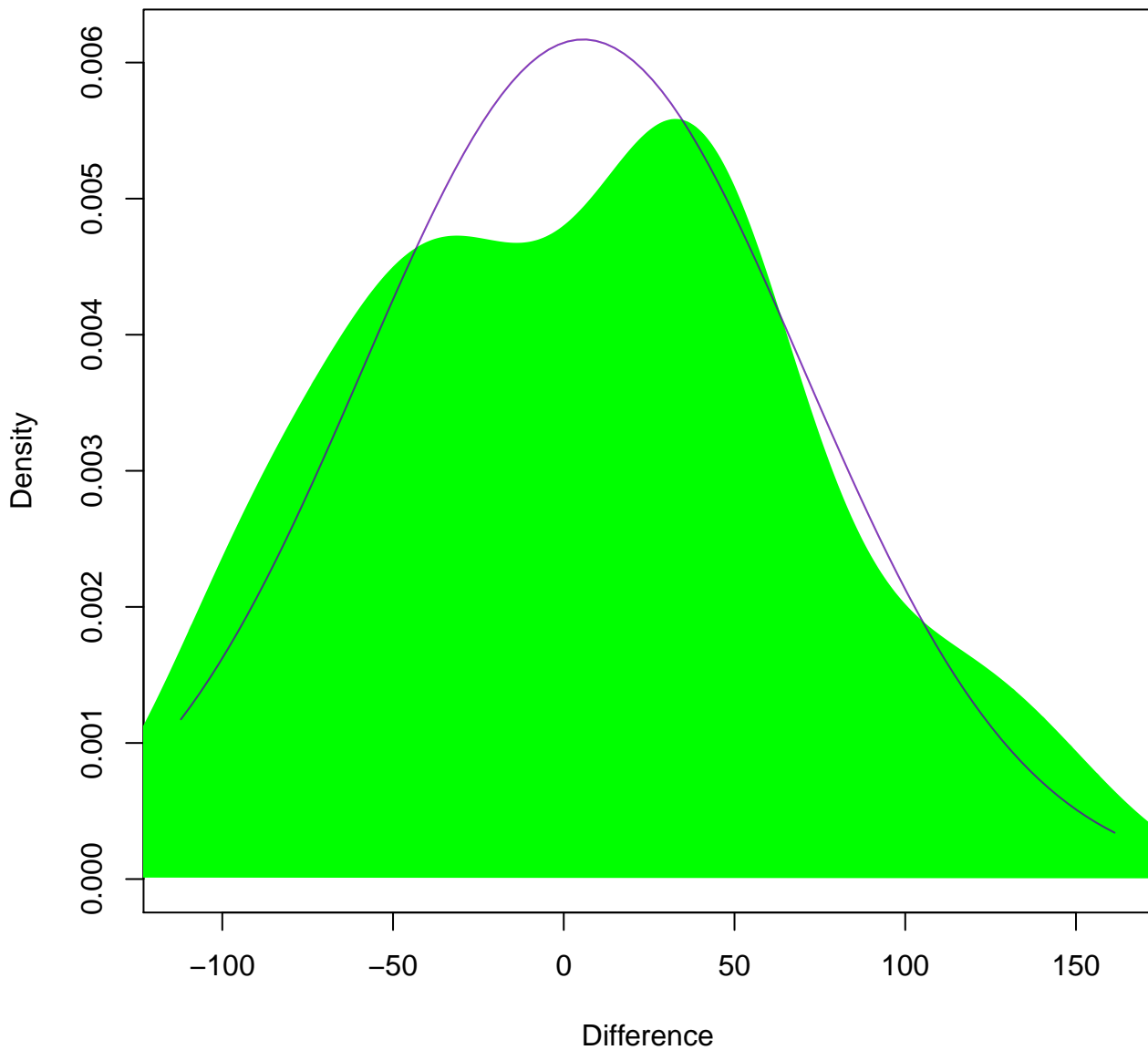
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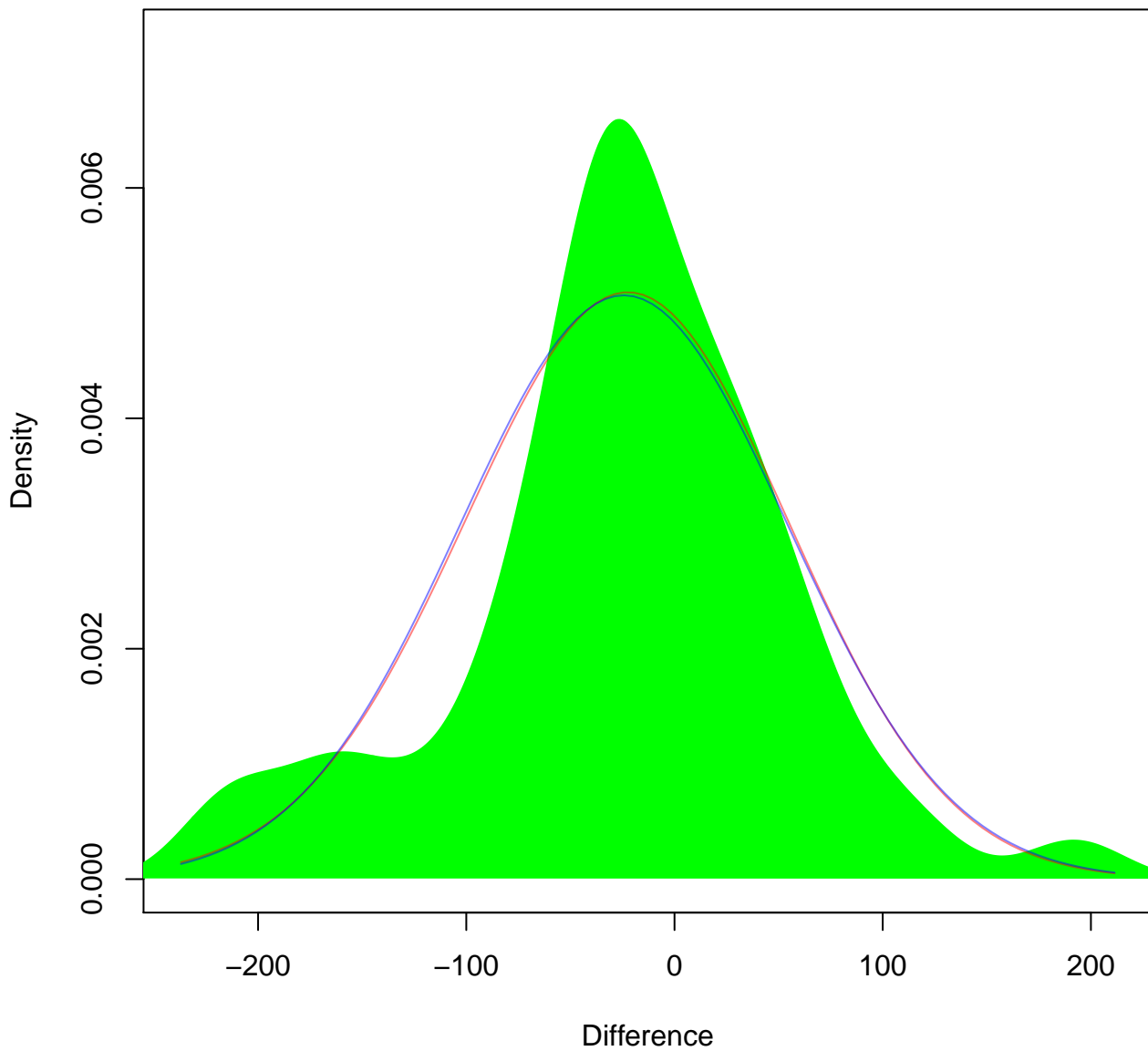
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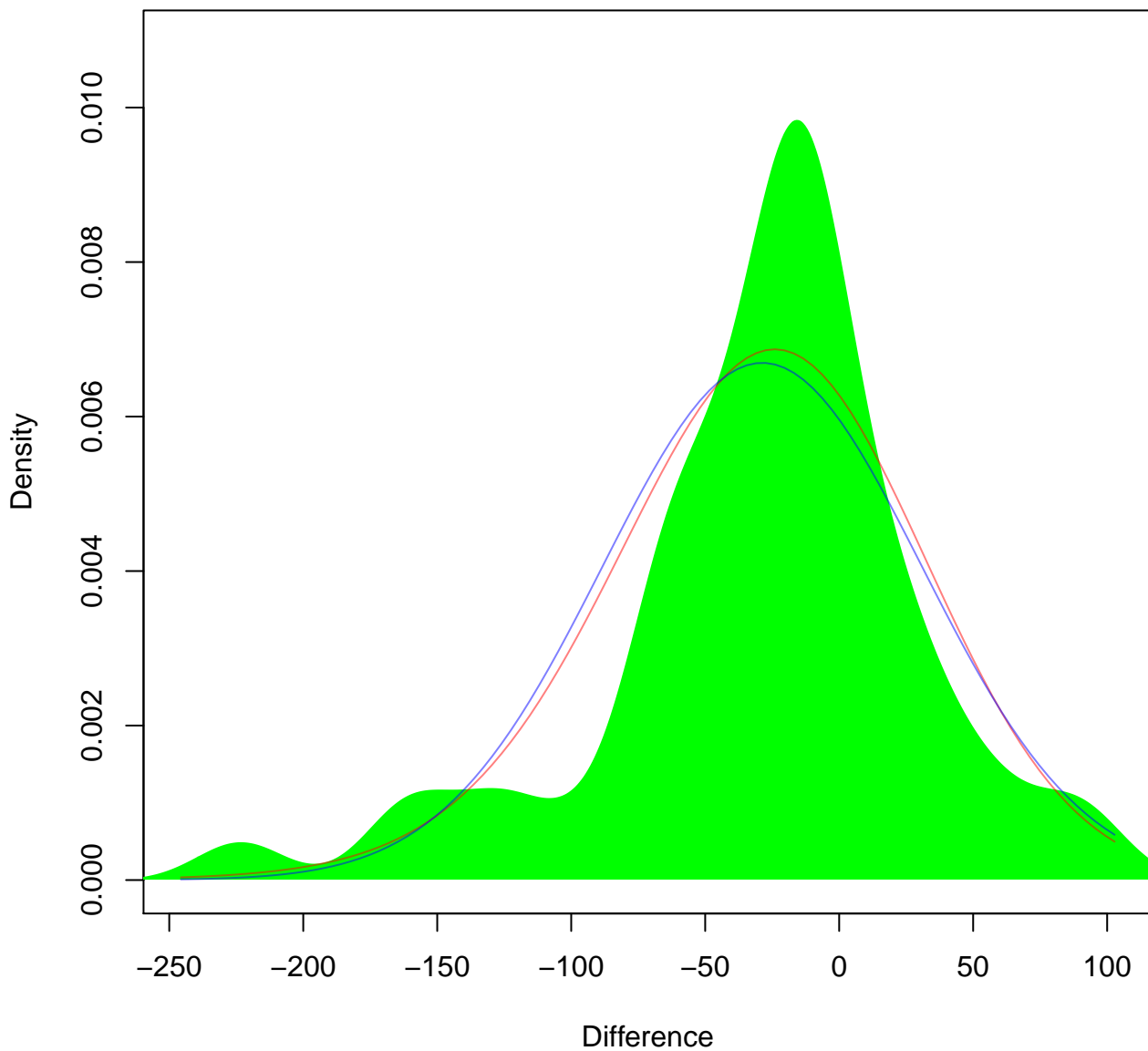


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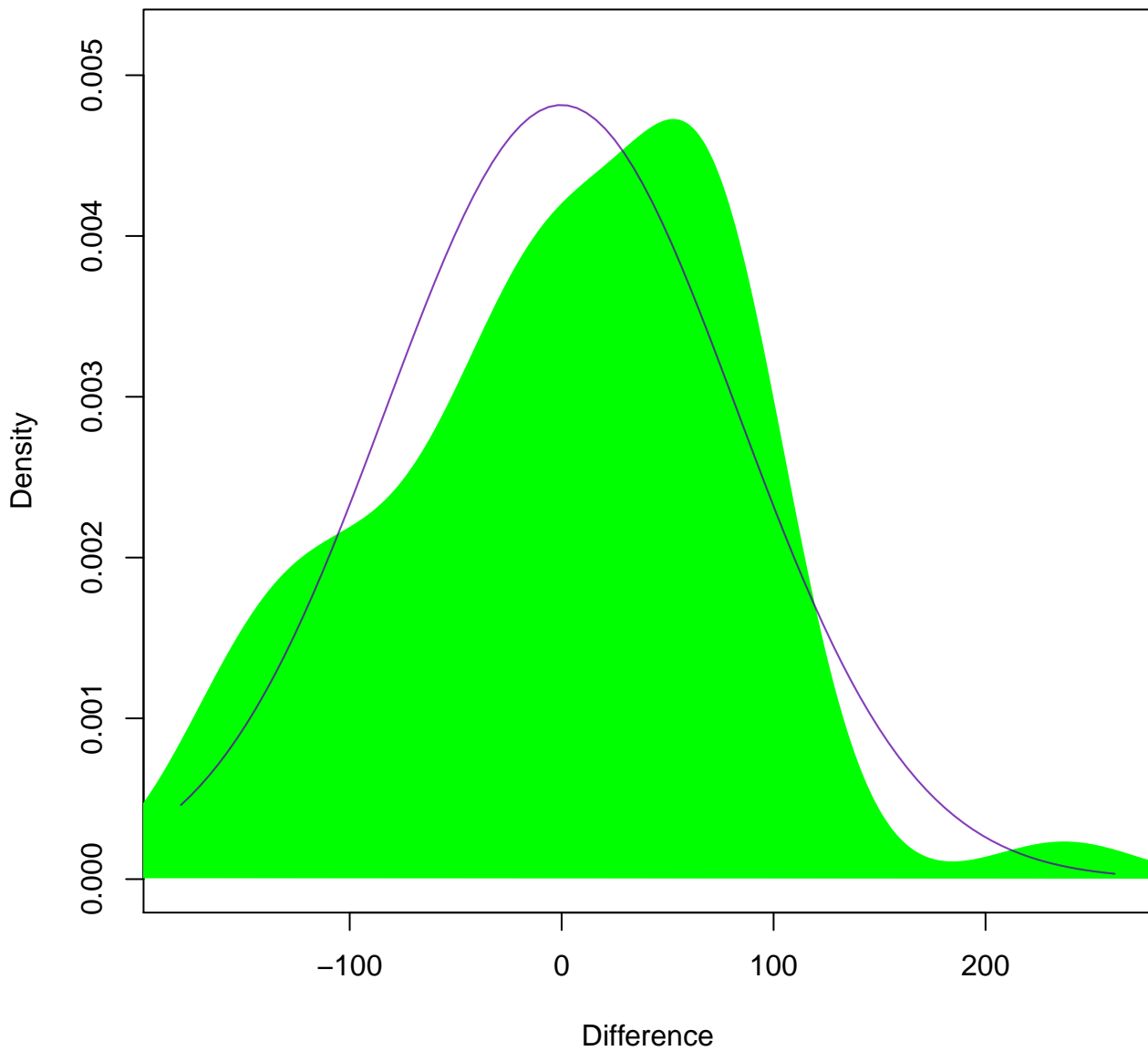


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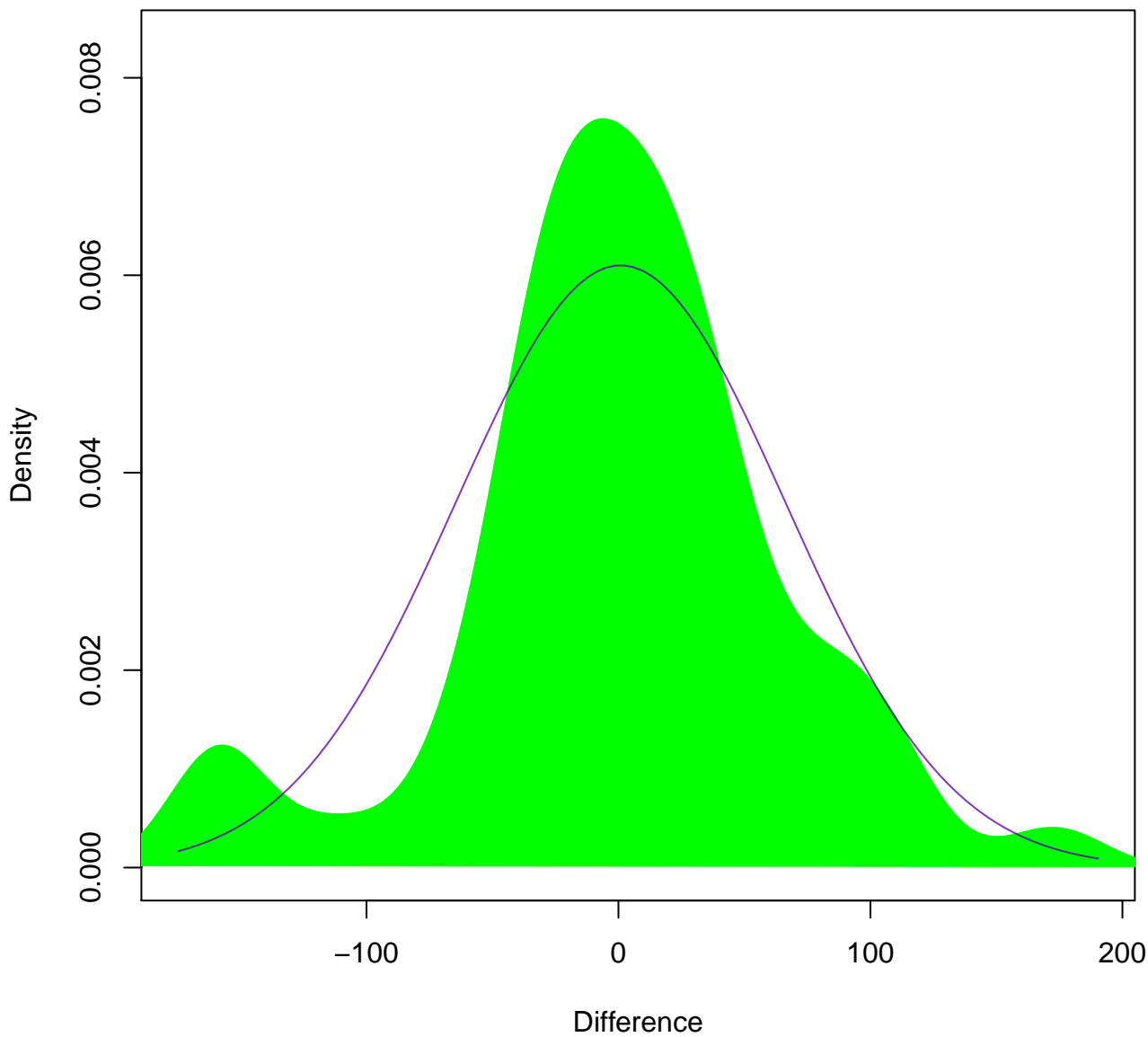




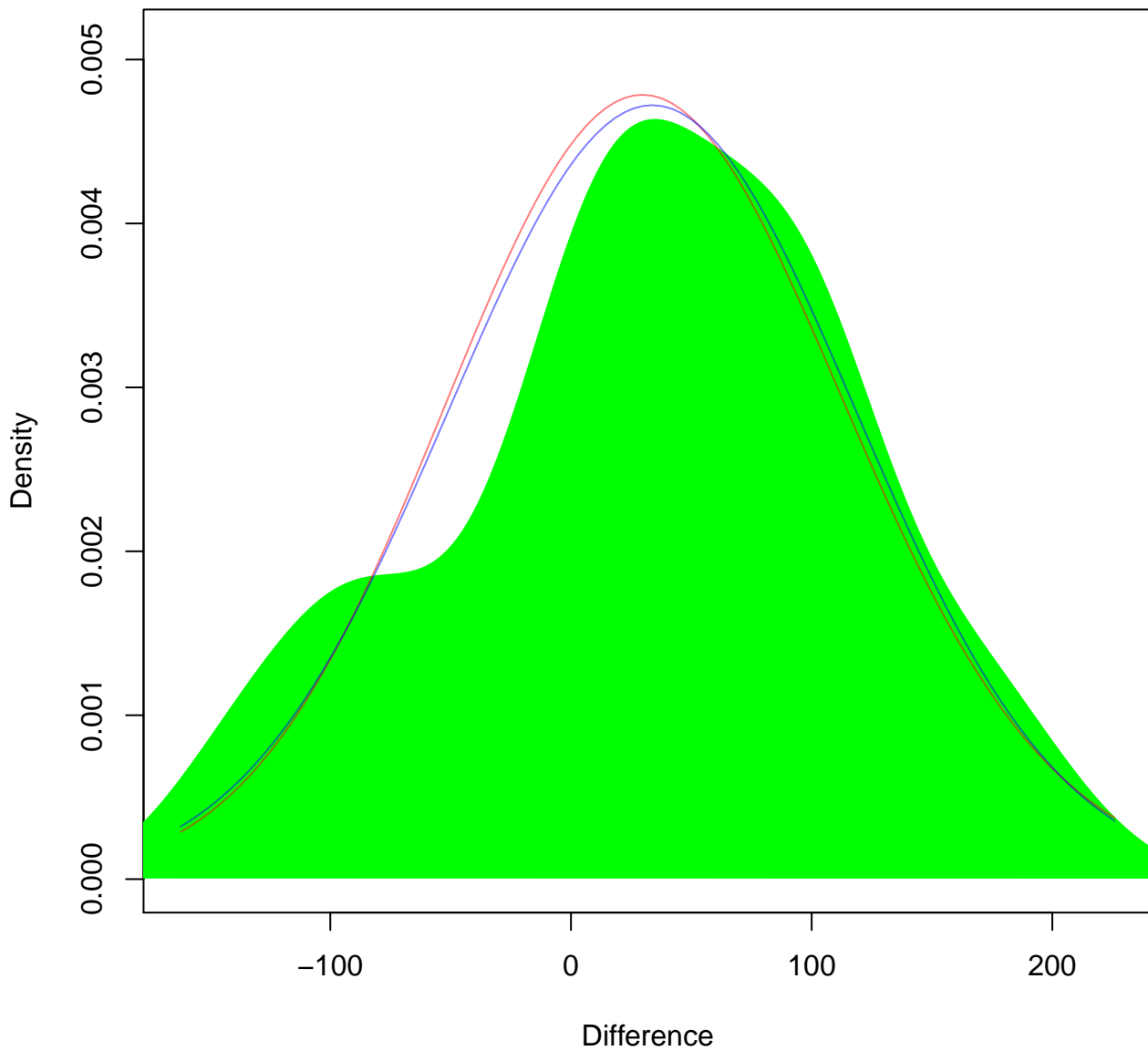
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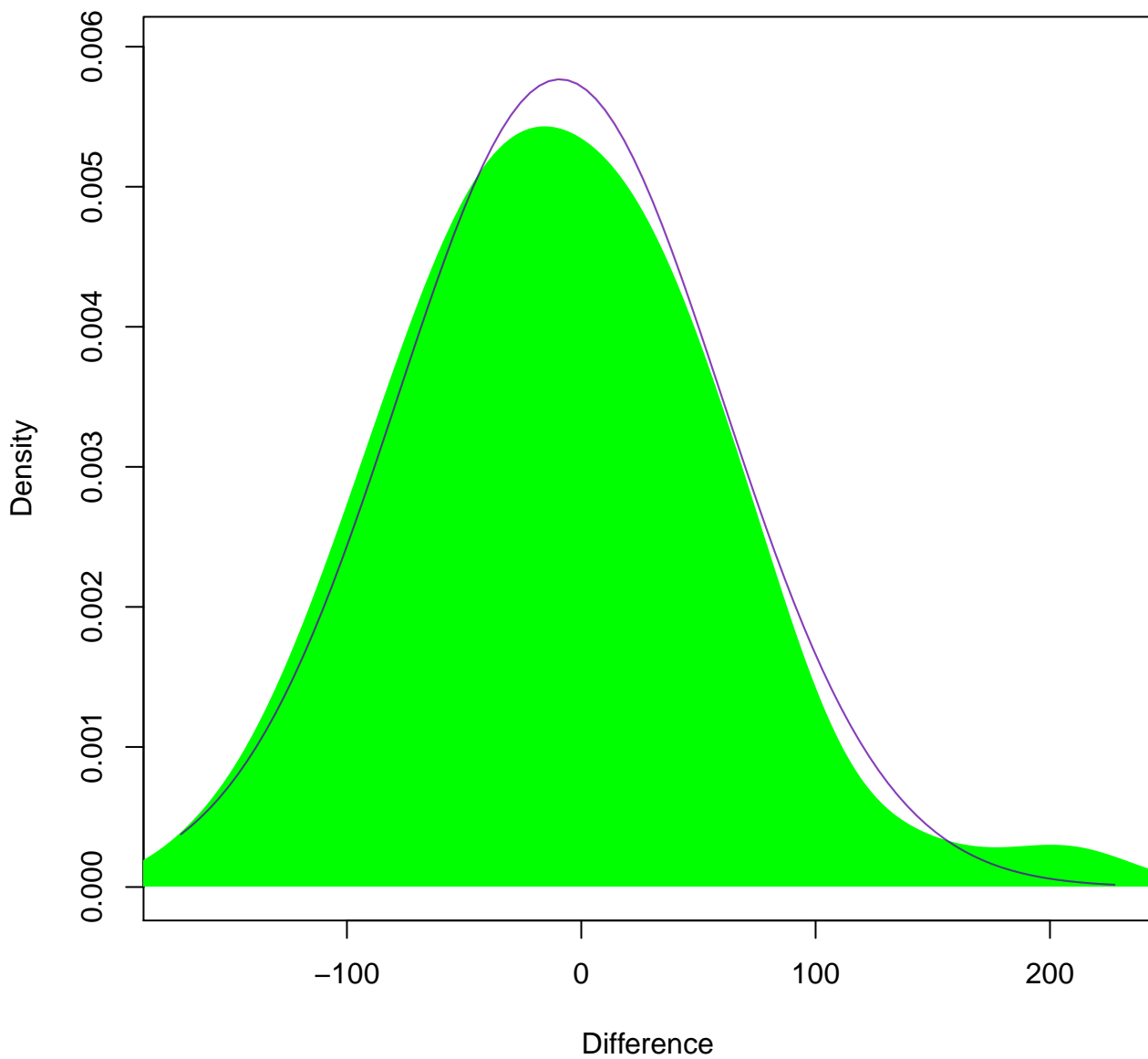
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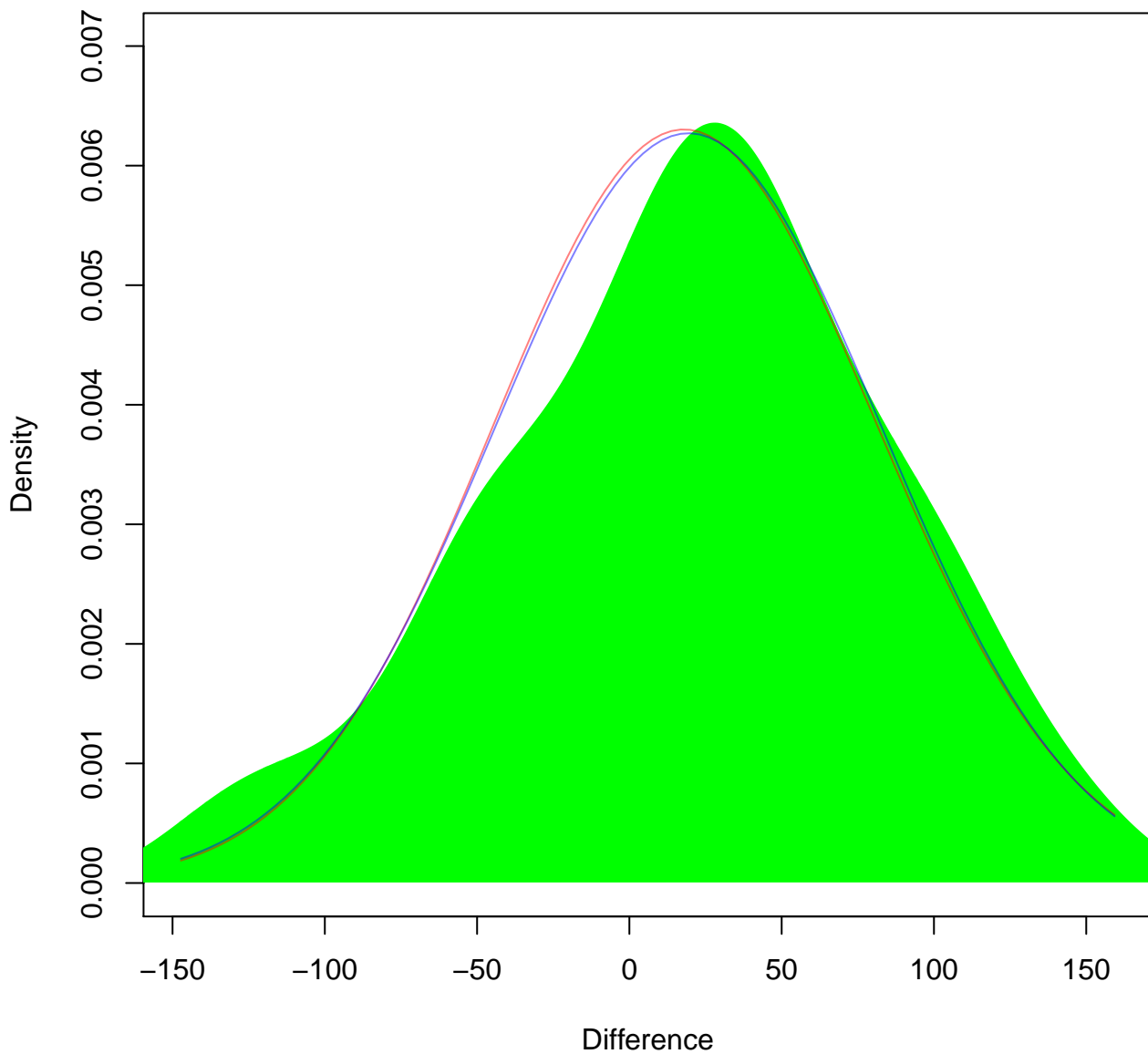
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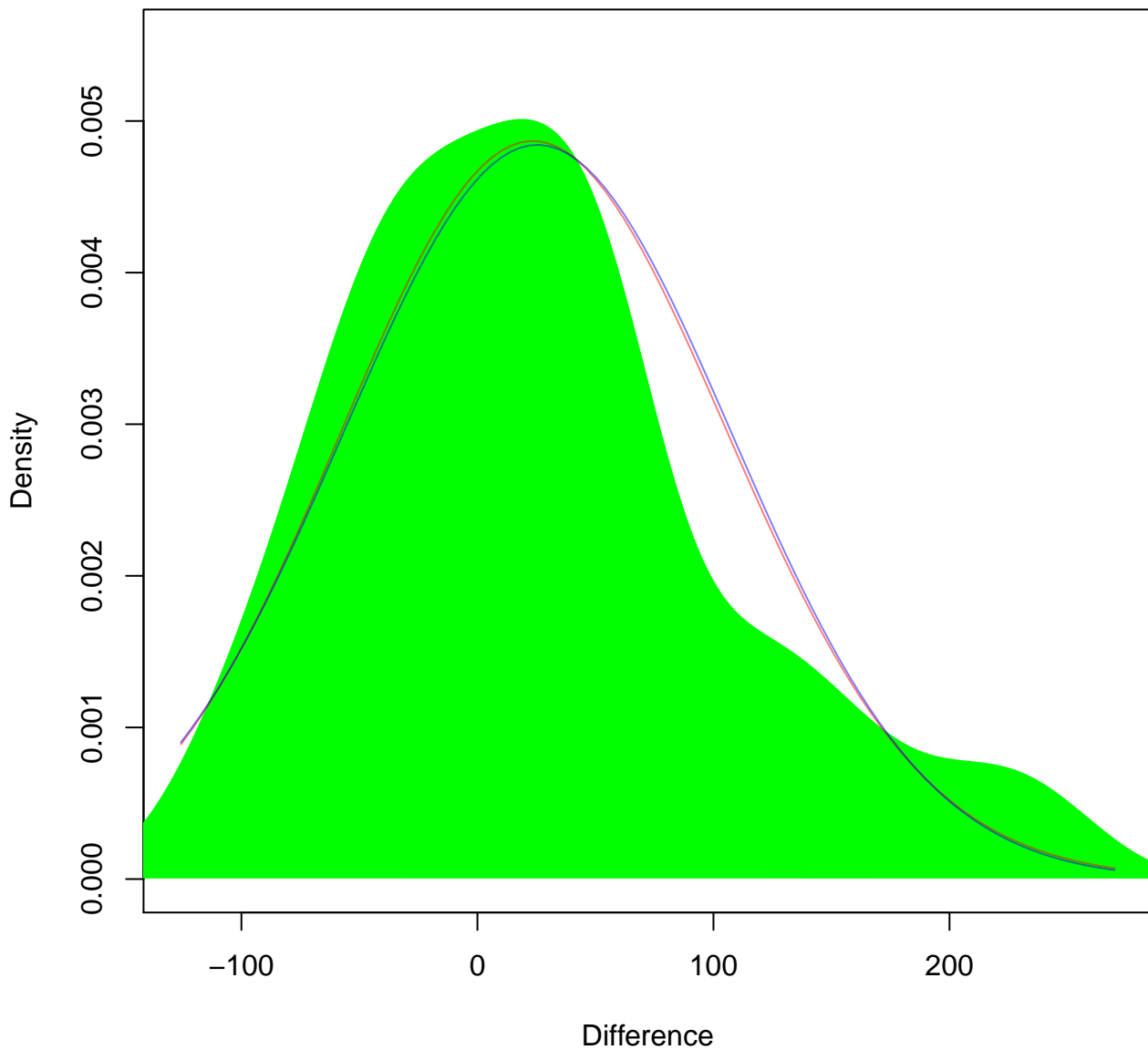
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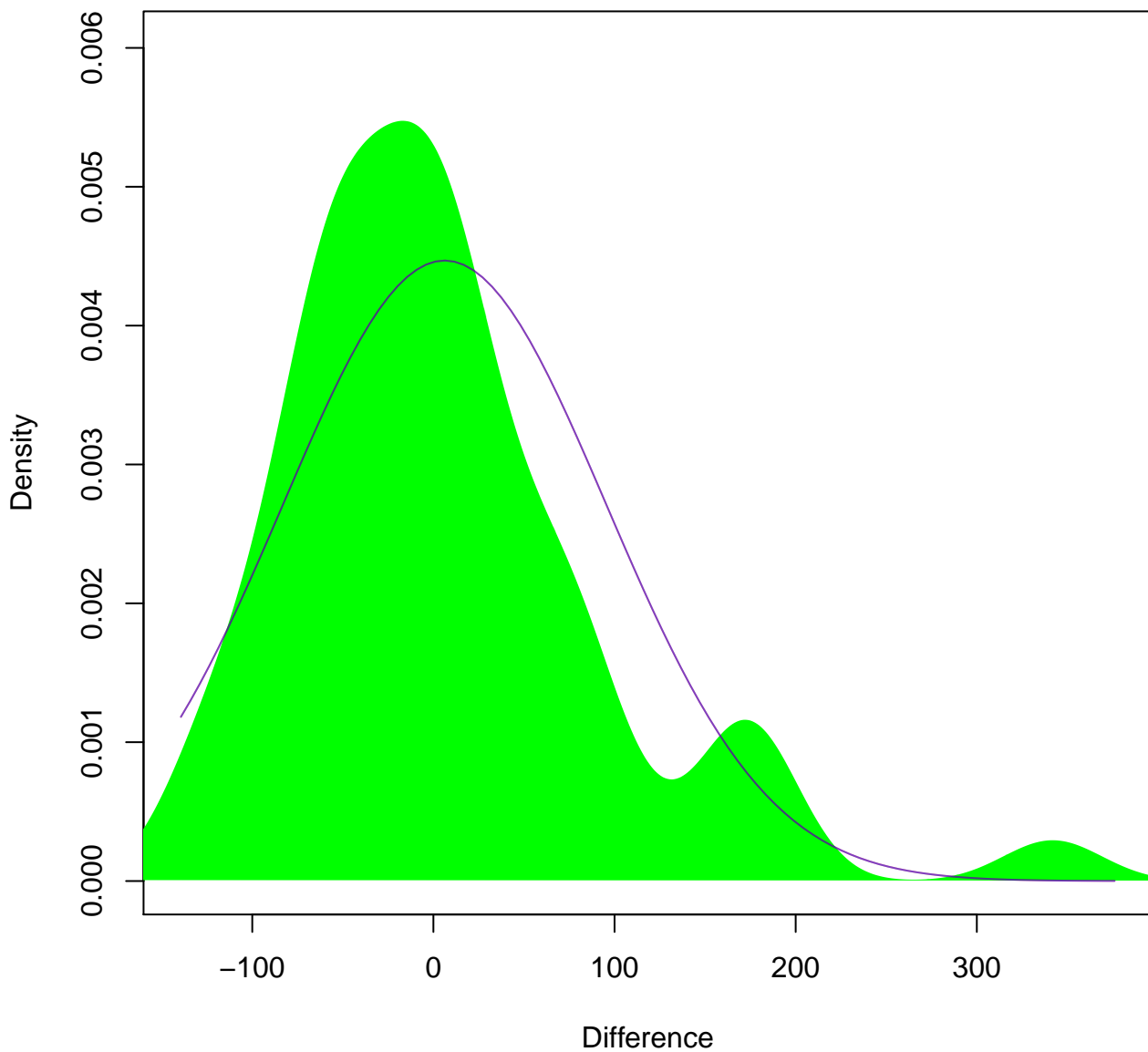
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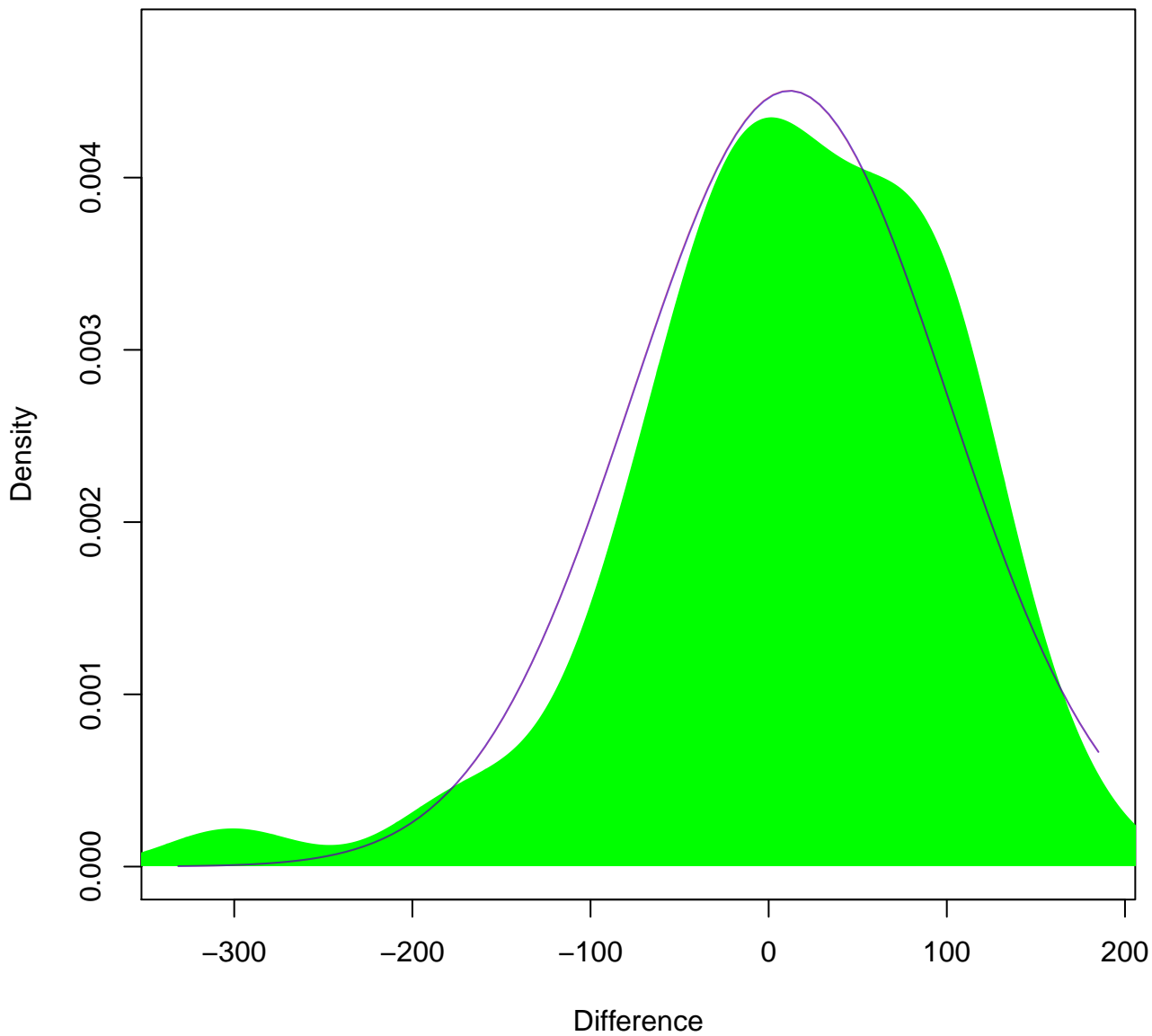
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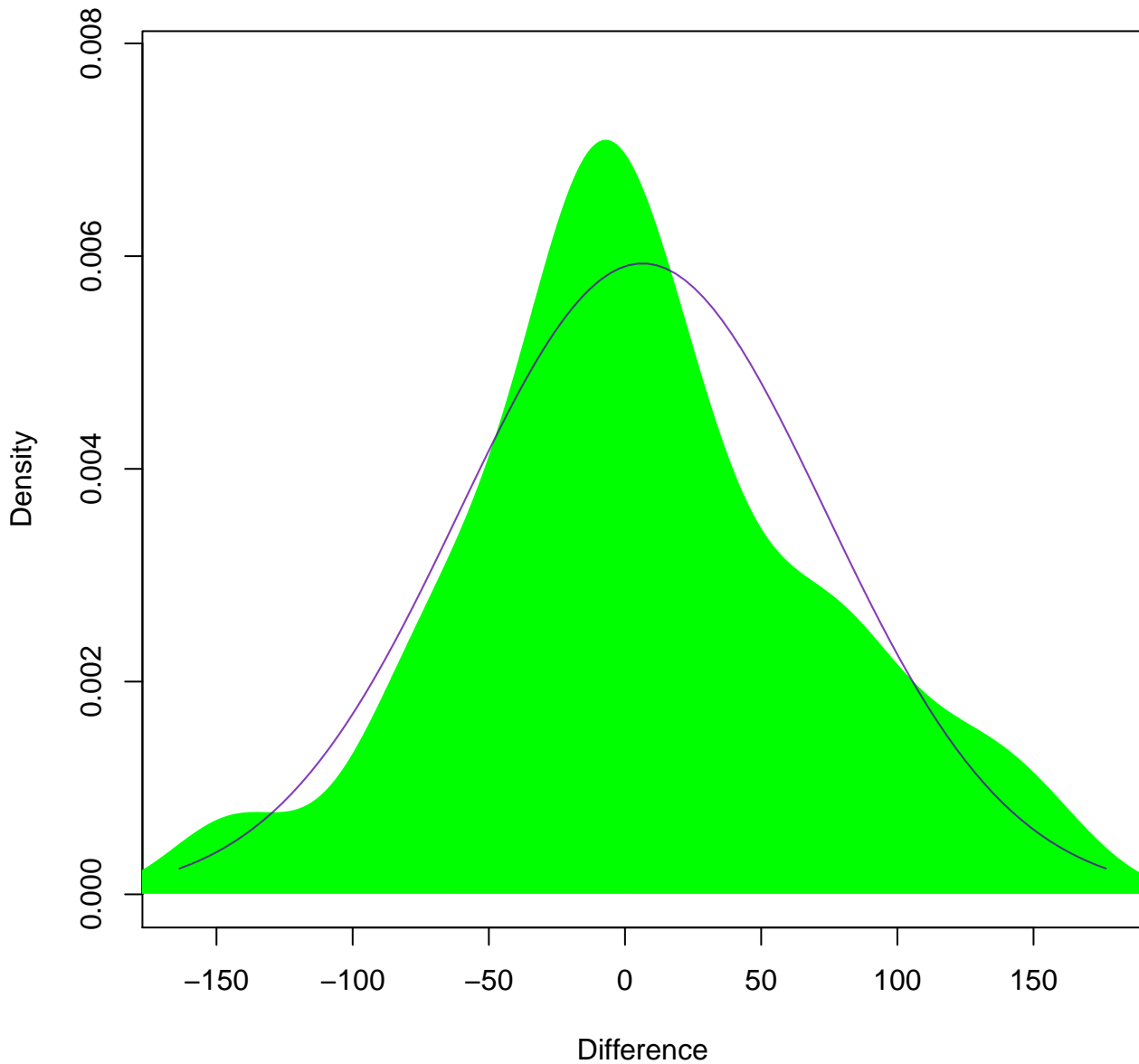
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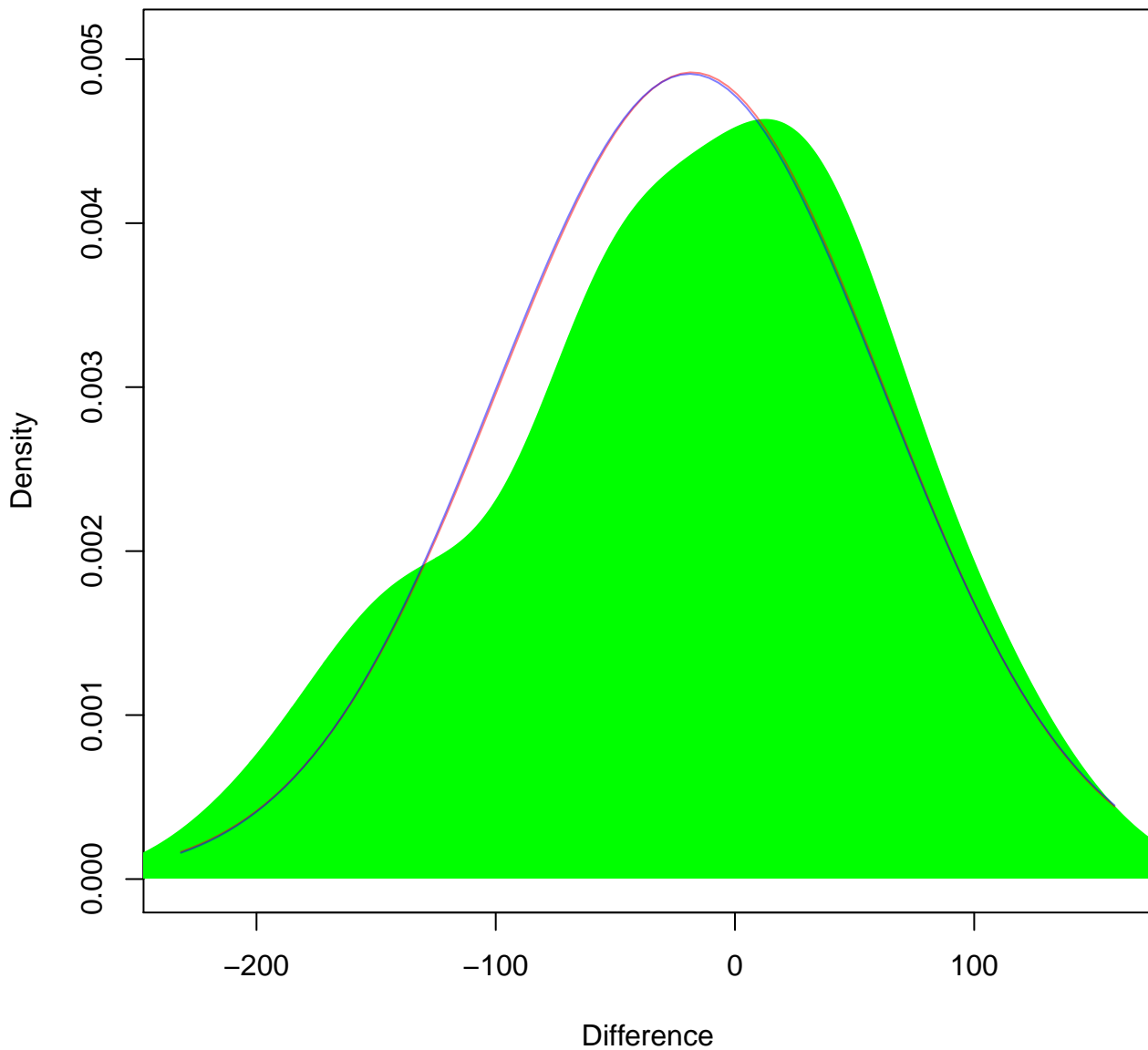
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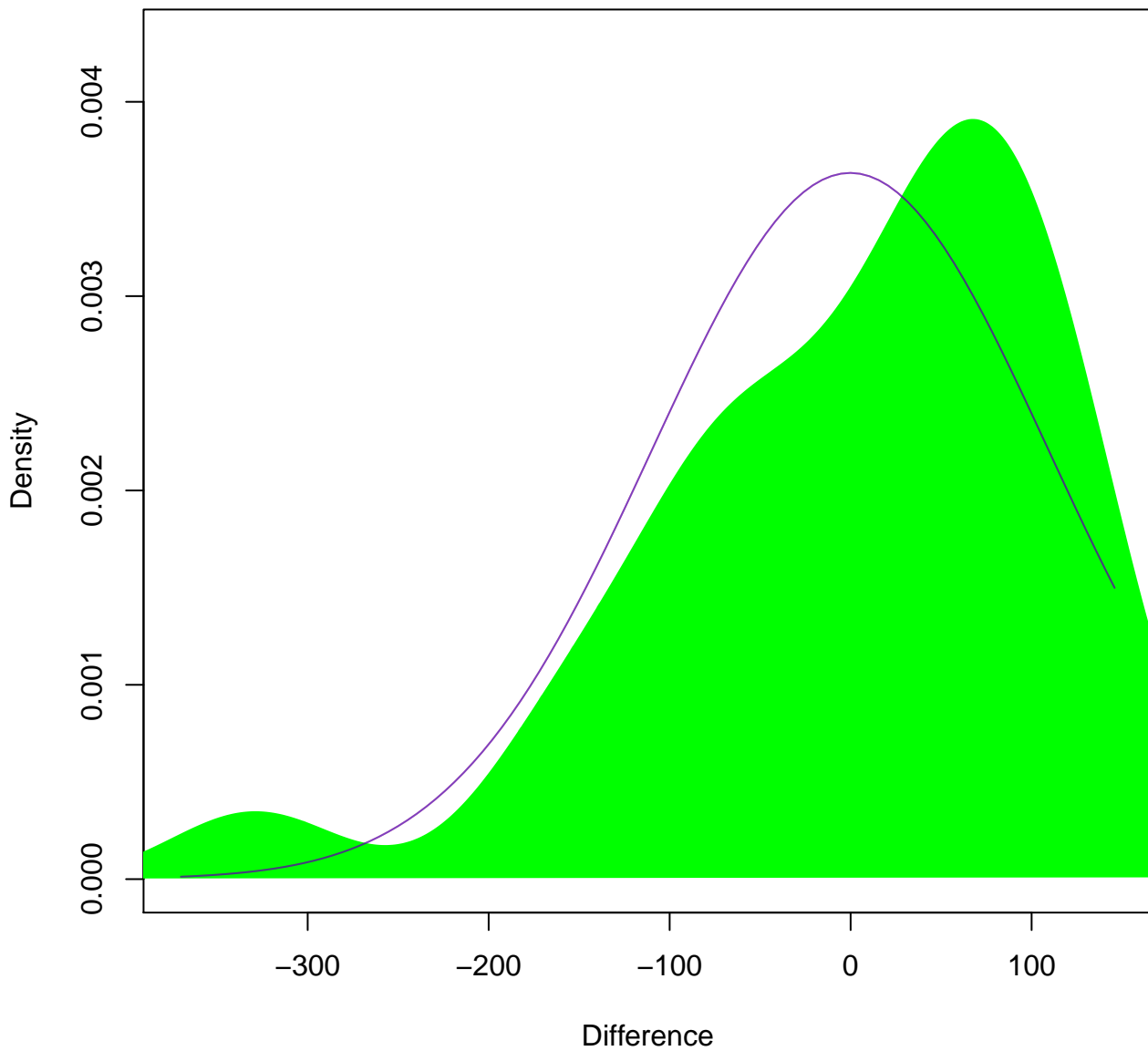
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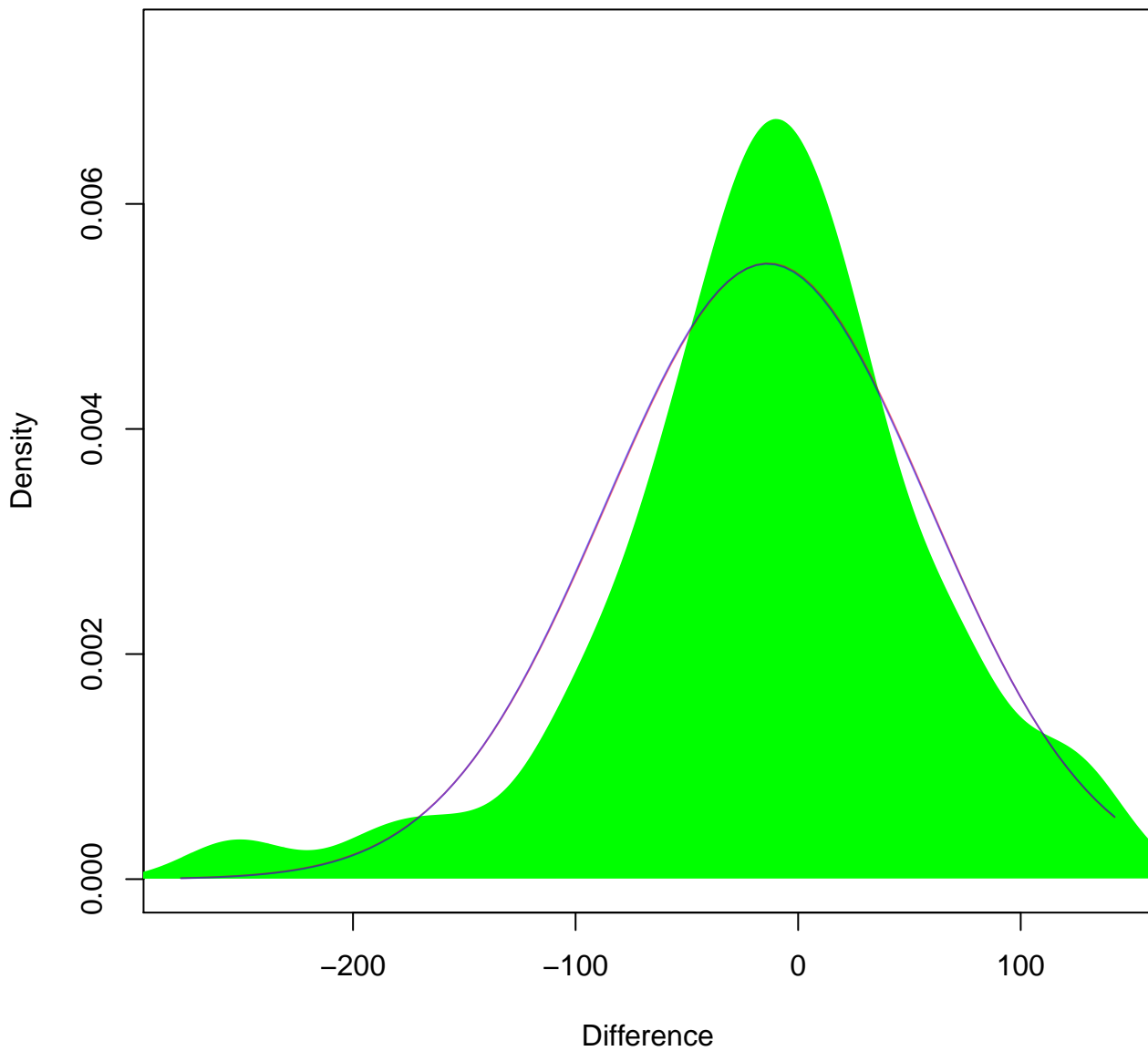
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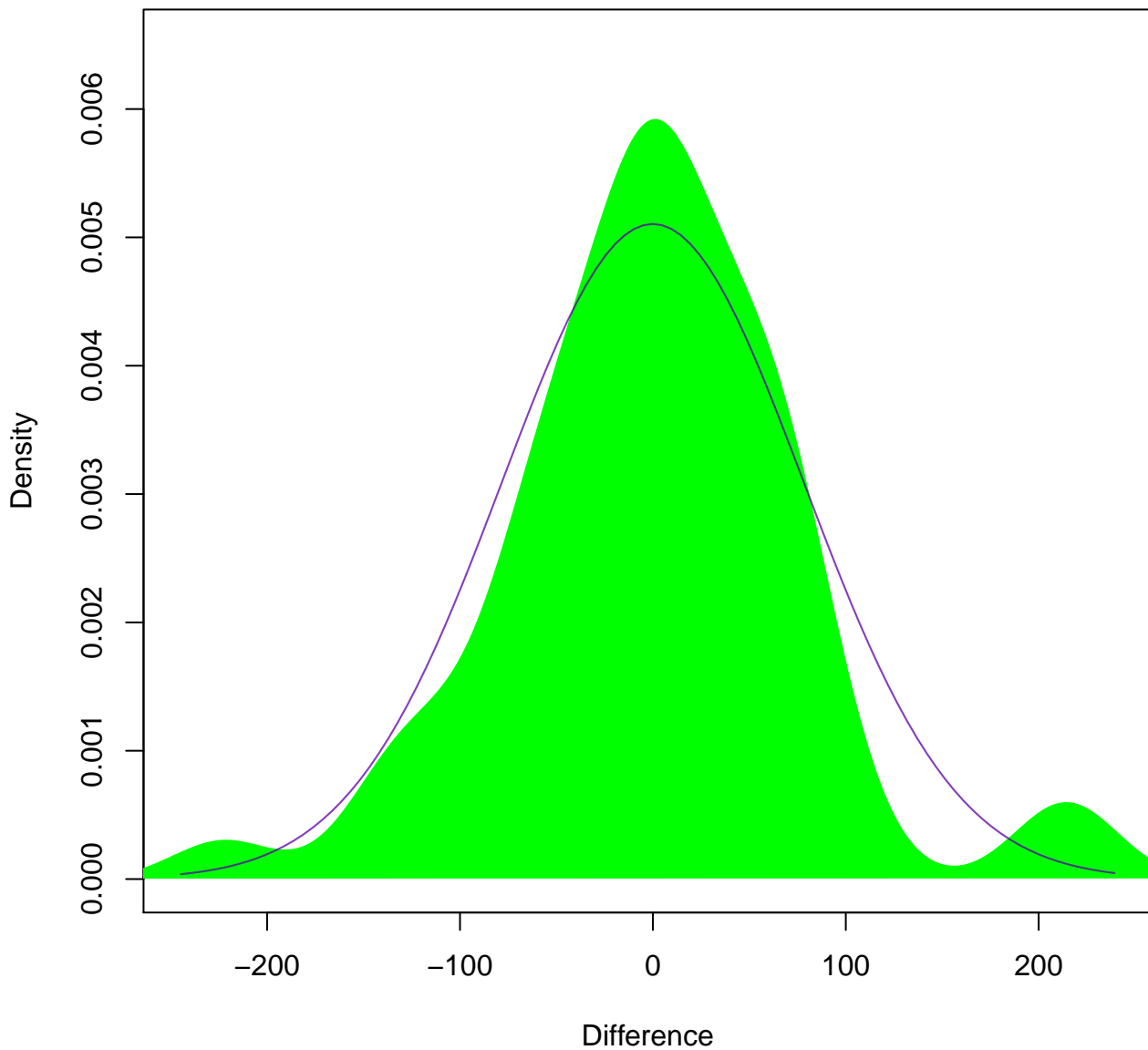
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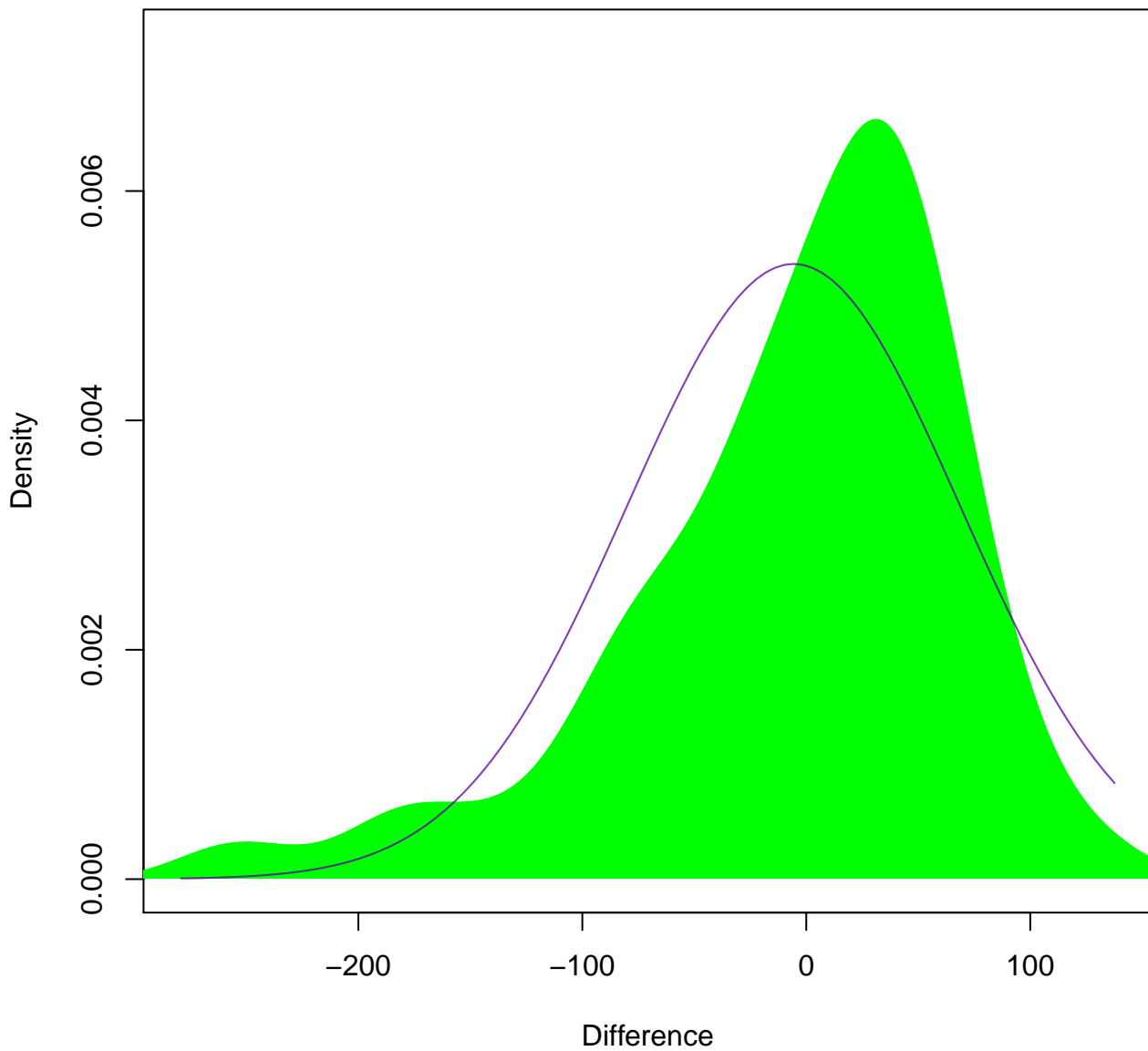
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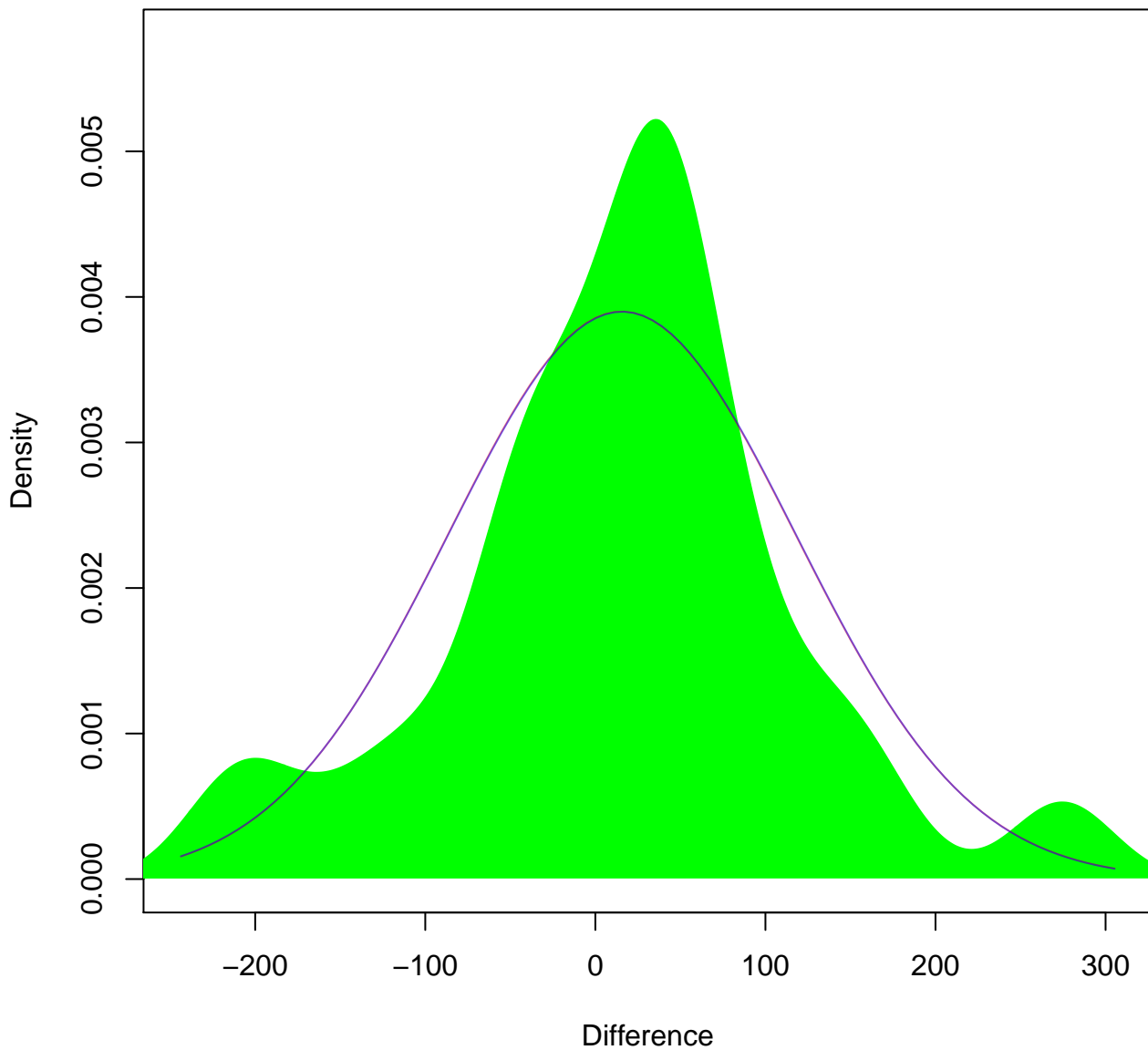
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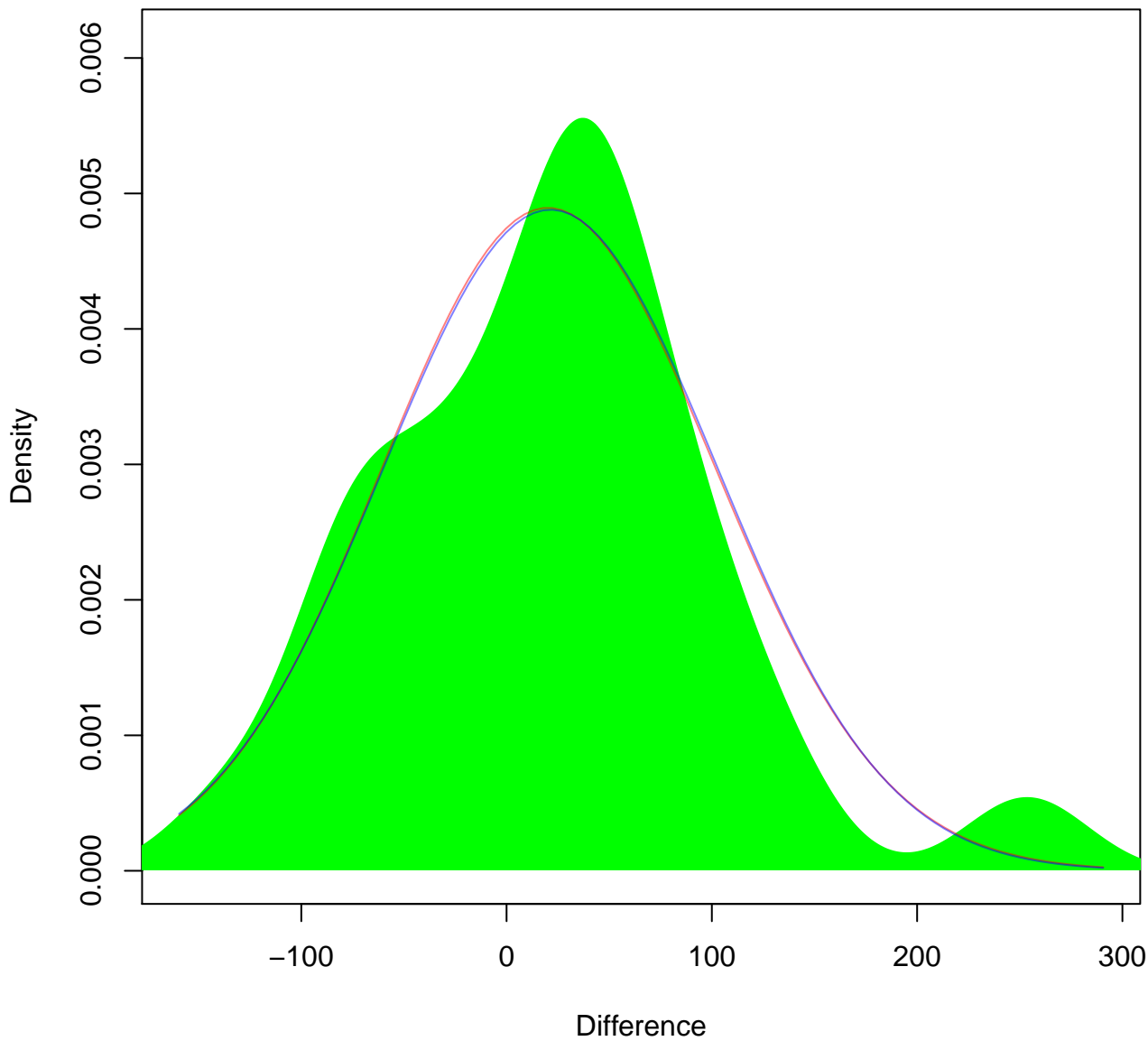
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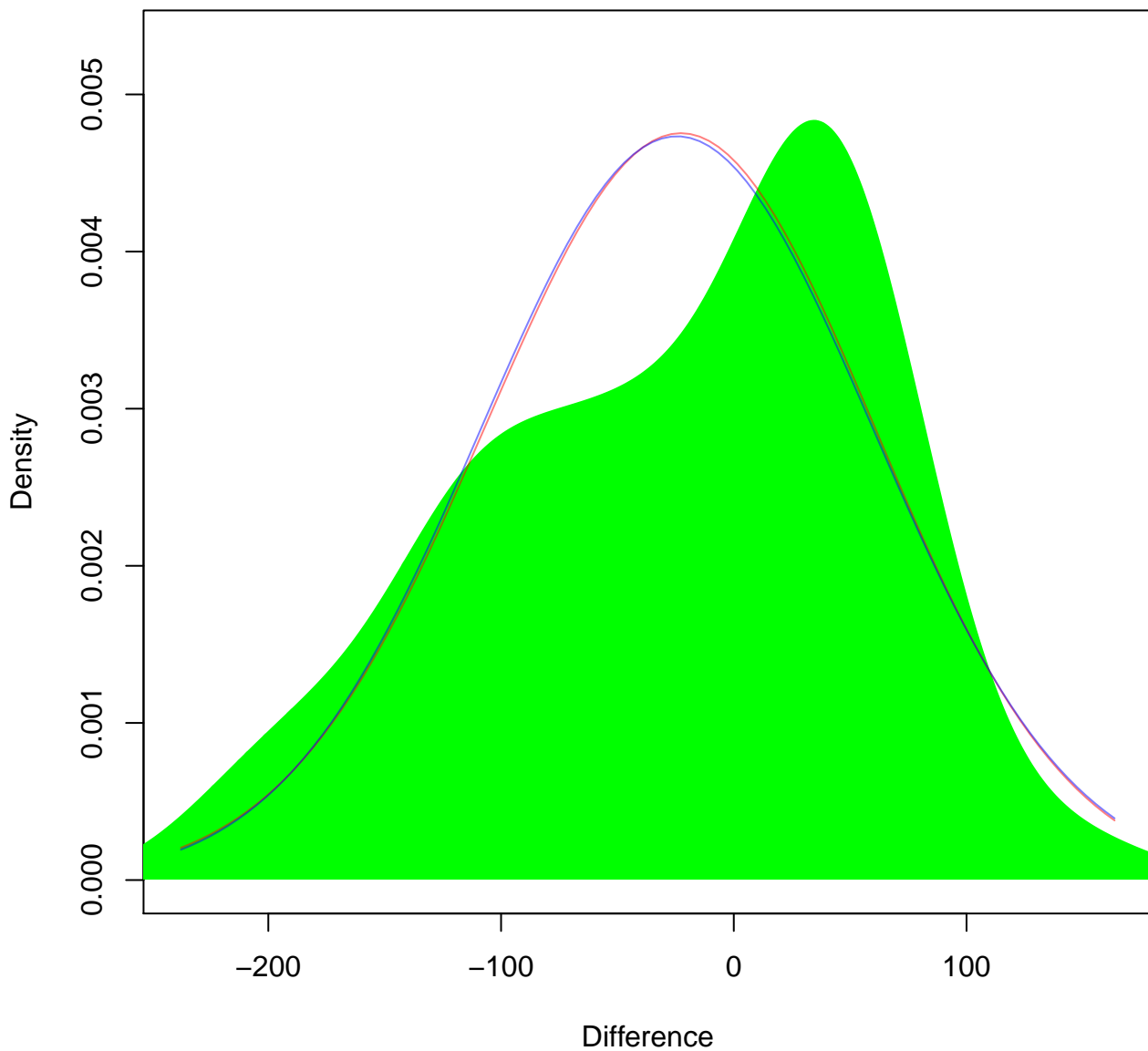
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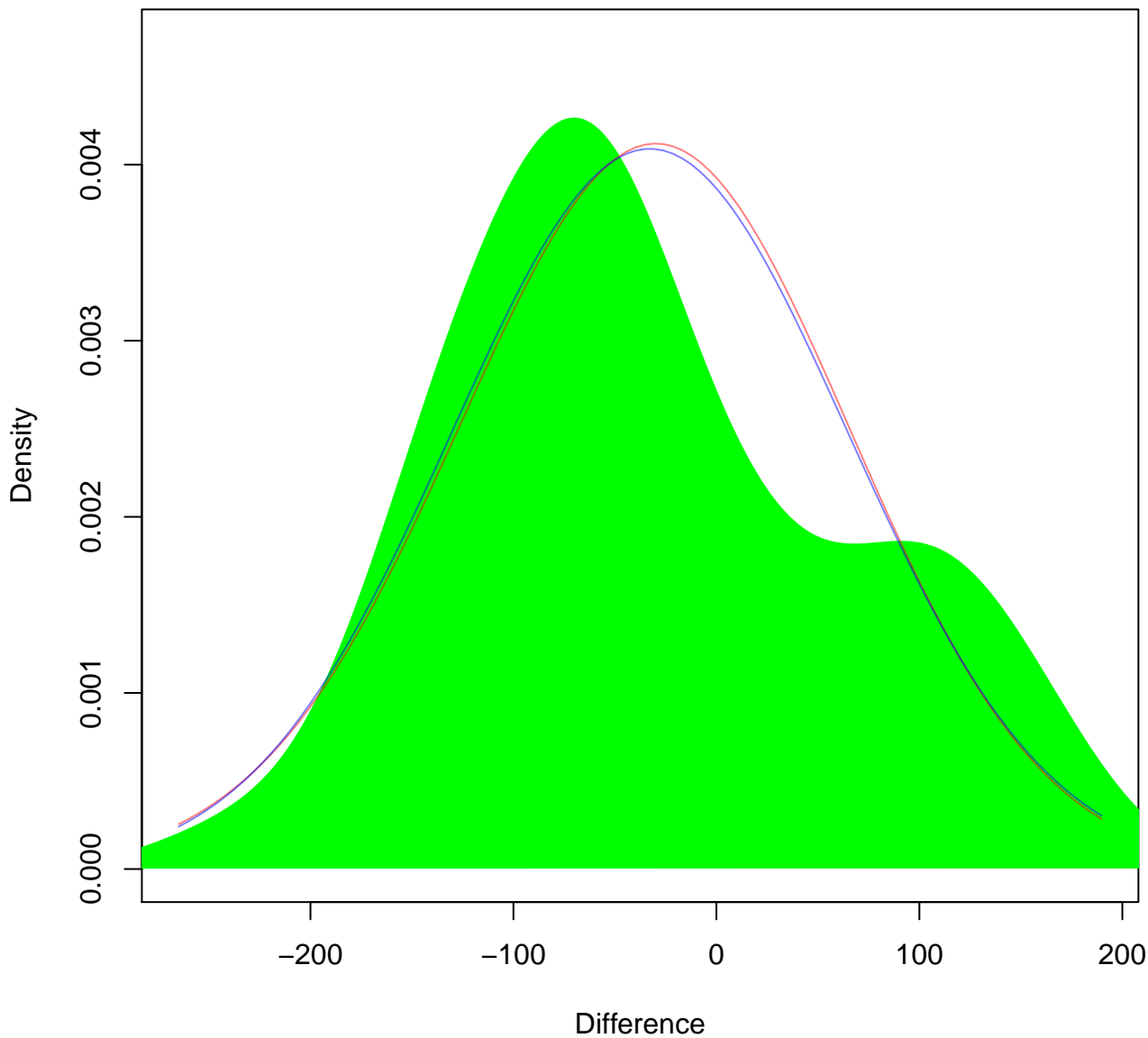
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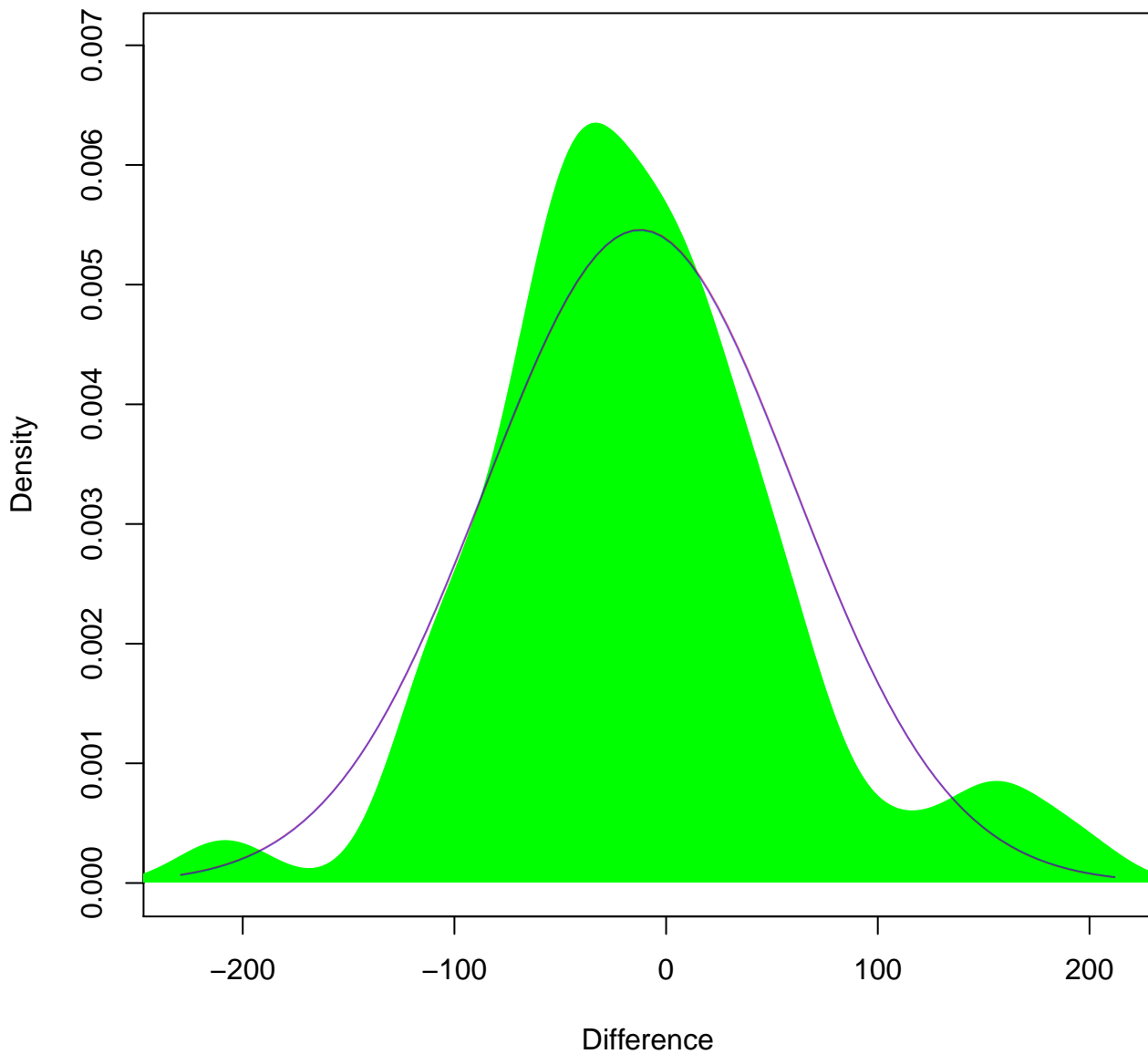
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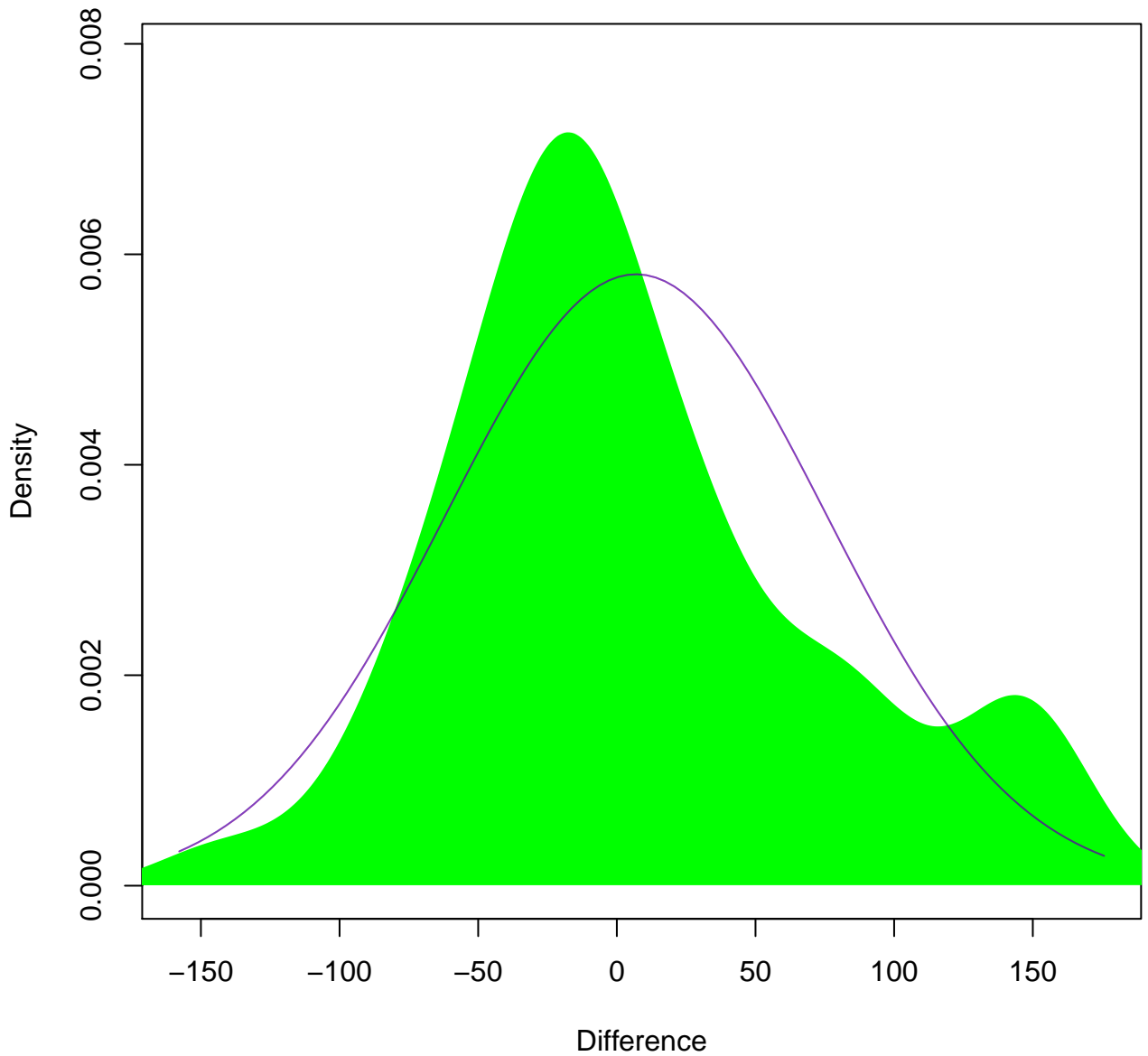
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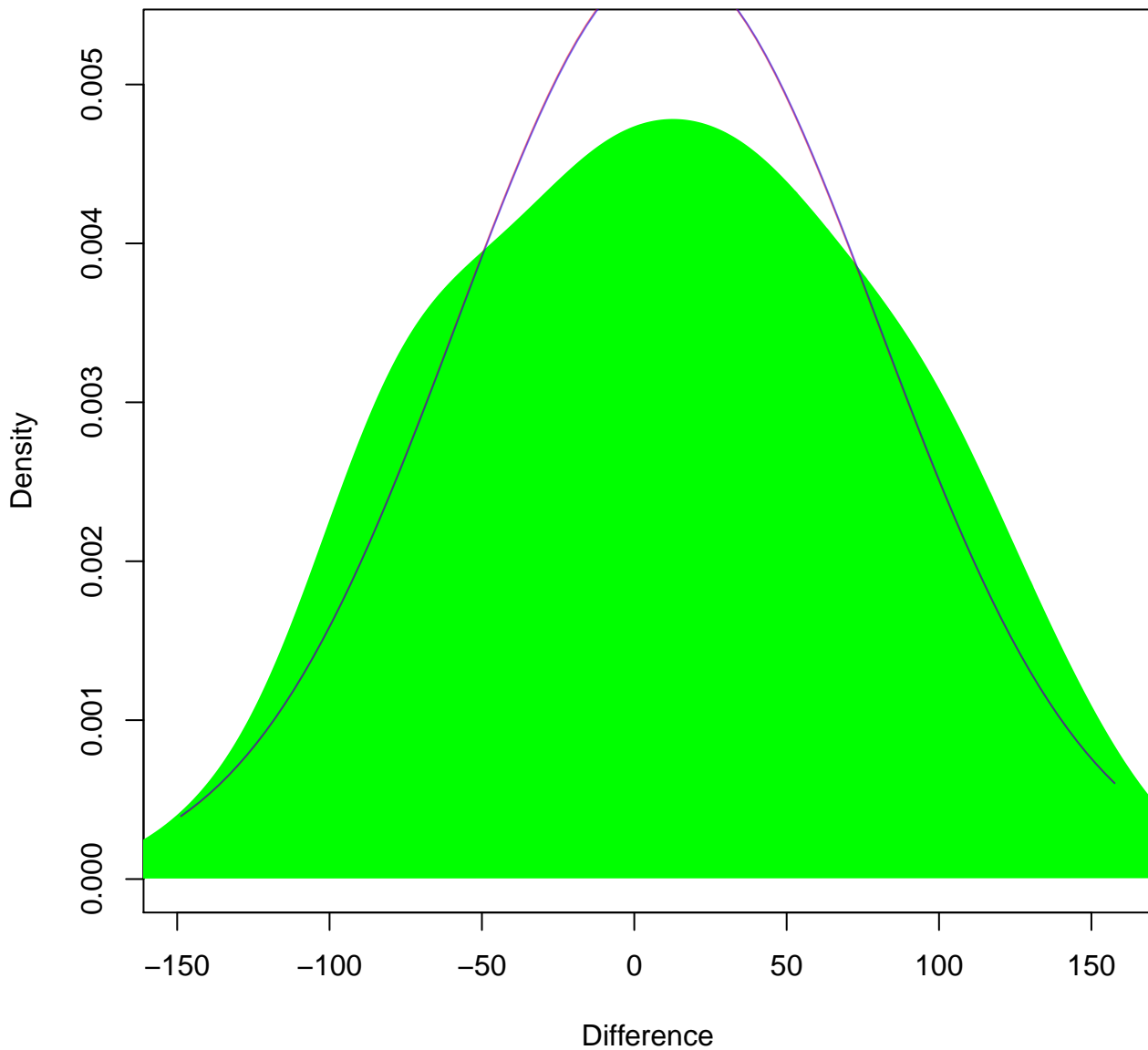
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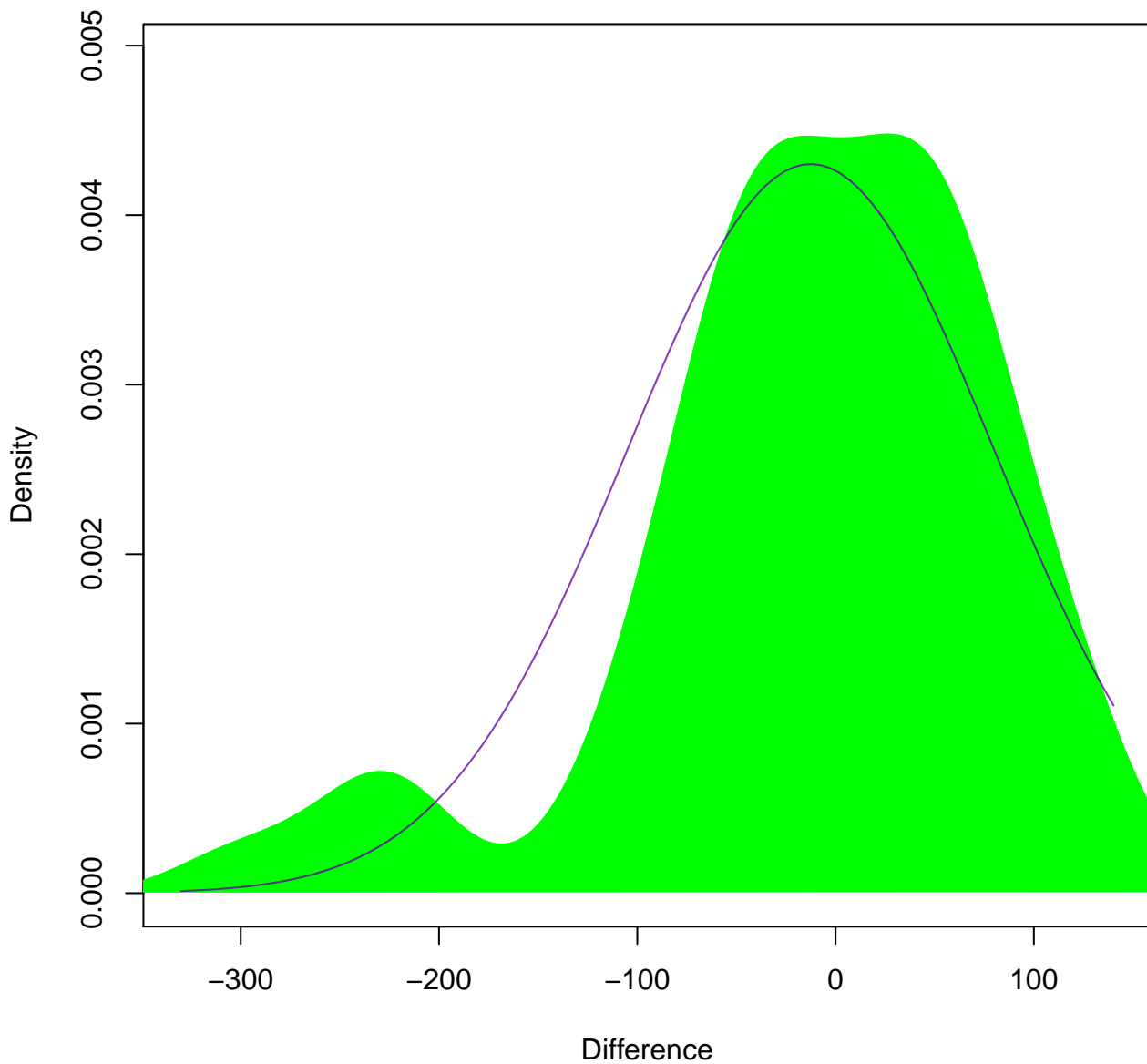
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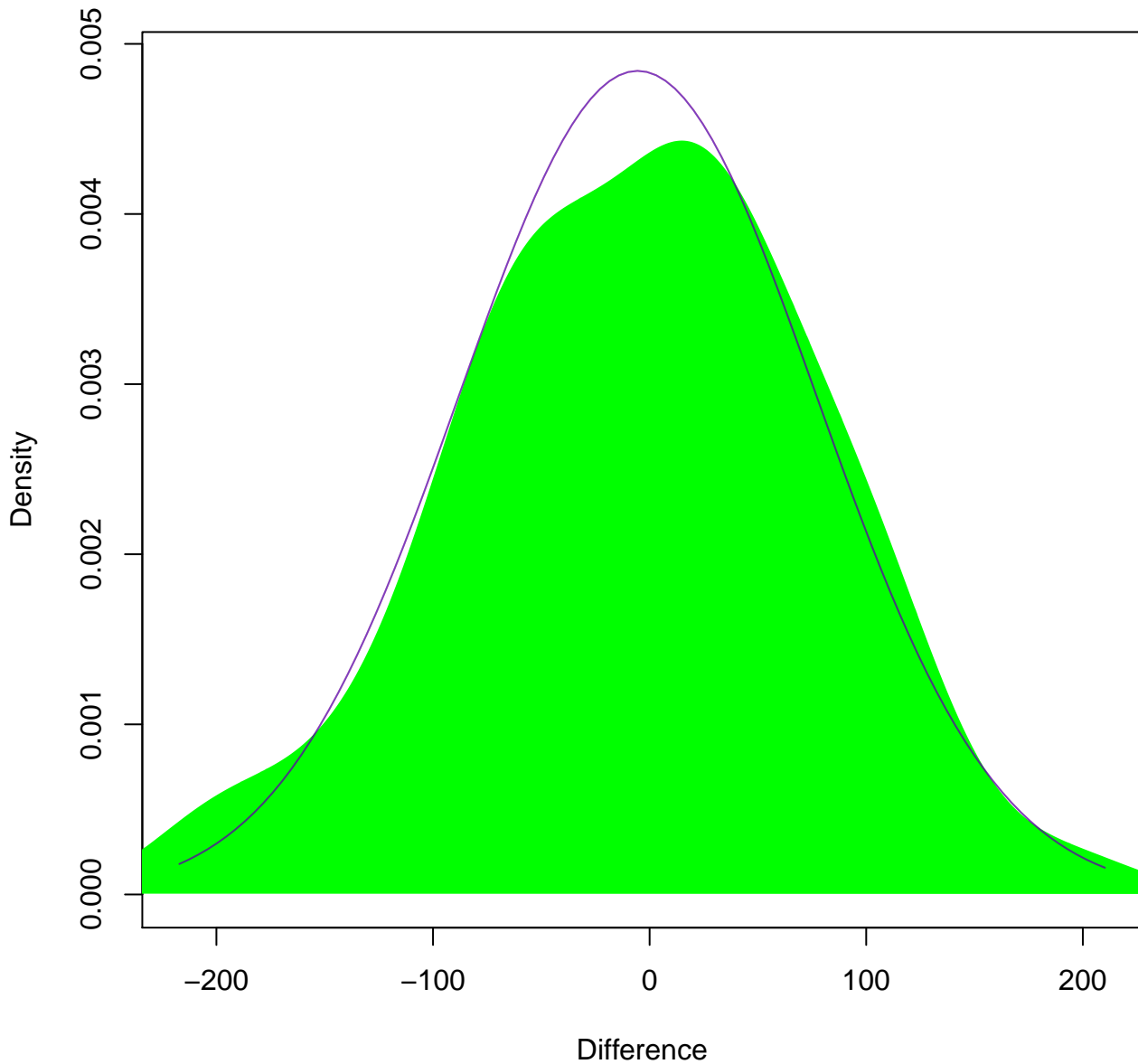
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Overall

