

[1] "Simulated w/ latency 1"

Exact binomial test

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

number of successes = 2000, number of trials = 2500, p-value < 2.2e-16

alternative hypothesis: true probability of success is greater than 0.5

95 percent confidence interval:

0.7863834 1.0000000

sample estimates:

probability of success

0.8

Generalized linear mixed model fit by maximum likelihood (Laplace
Approximation) [glmerMod]

Family: binomial (logit)

Formula: Is.Latent ~ (1 | Patient)

Data: df.good

AIC	BIC	logLik	deviance	df.resid
2495.4	2507.1	-1245.7	2491.4	2498

Scaled residuals:

Min	1Q	Median	3Q	Max
-2.4019	0.4292	0.4687	0.5098	0.6433

Random effects:

Groups	Name	Variance	Std.Dev.
Patient	(Intercept)	0.09941	0.3153

Number of obs: 2500, groups: Patient, 50

Fixed effects:

	Estimate	Std. Error	z value	Pr(> z)
(Intercept)	1.41586	0.06824	20.75	<2e-16 ***

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

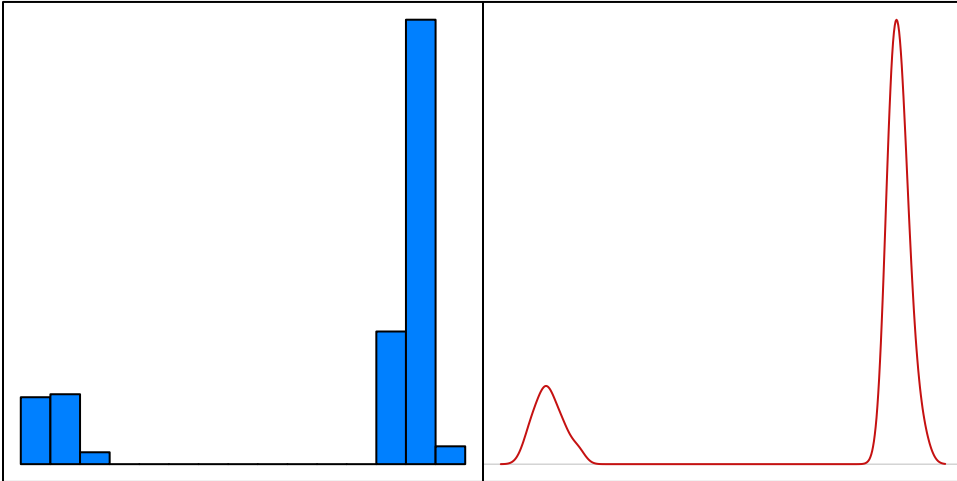
[1] "AIC: 2495.4048430374, null AIC: 2504.01211769094"

[2] "p-value: 0.00112643596990769"

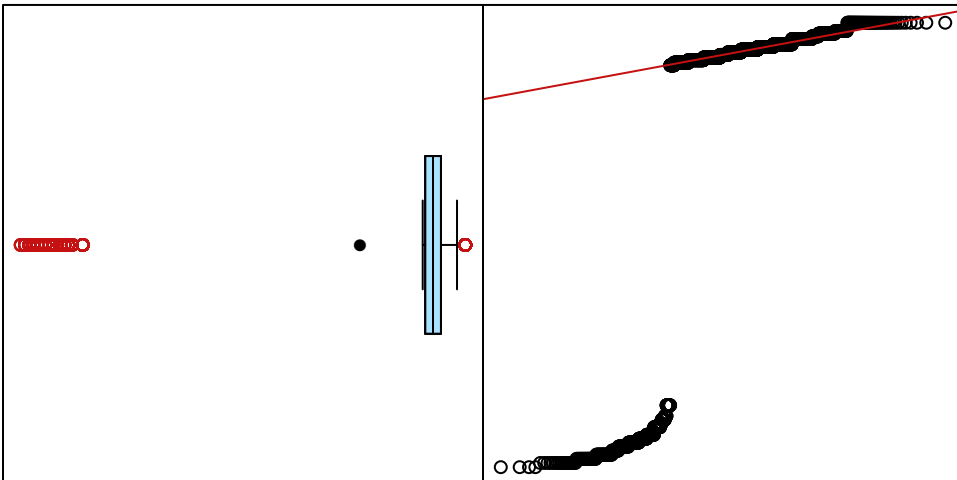
[3] "mean: 0.804688392538241"

EXPLORATORY DATA ANALYSIS

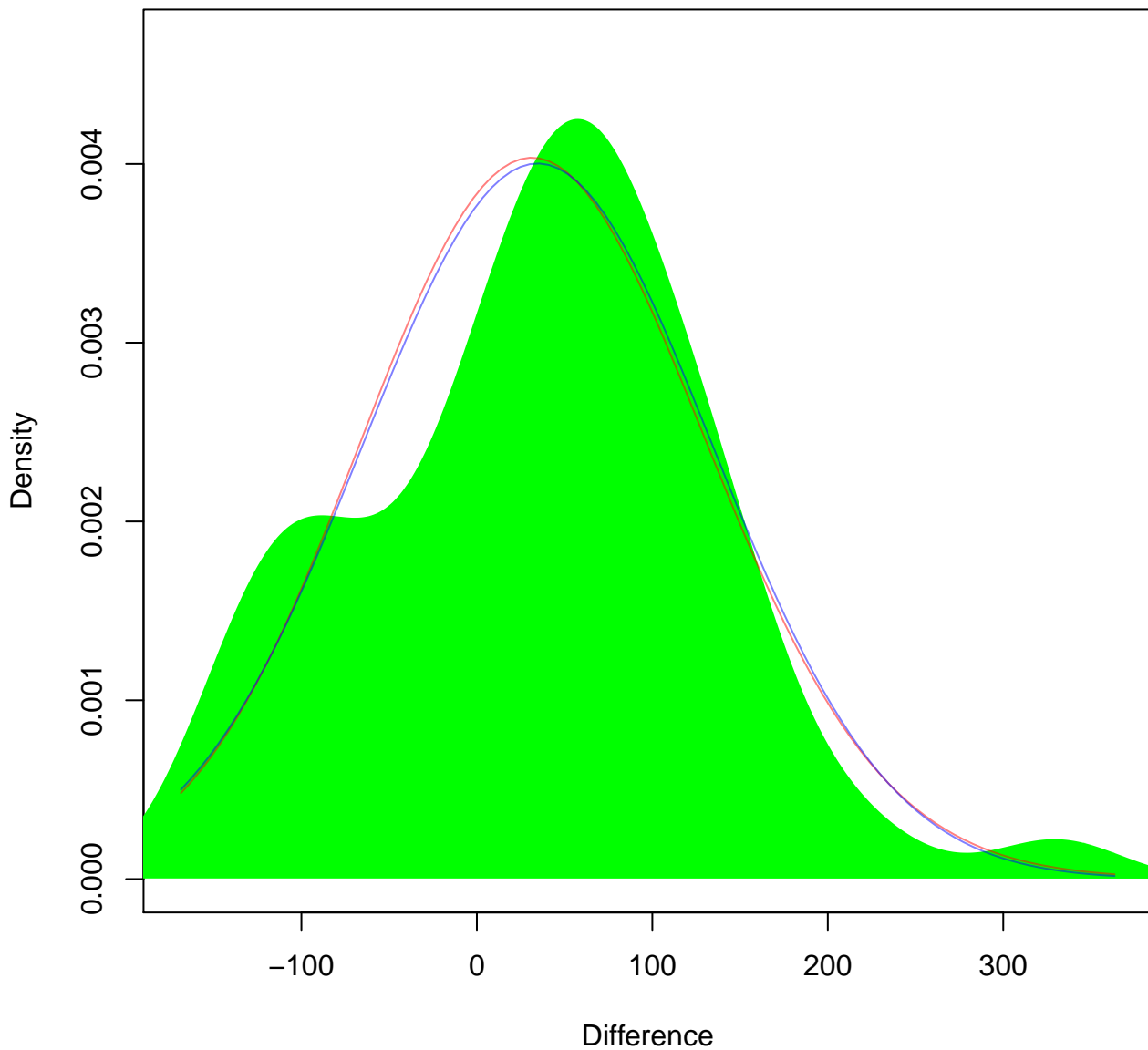
histogram of resid(bin.glme.test) Density of resid(bin.glme.test)



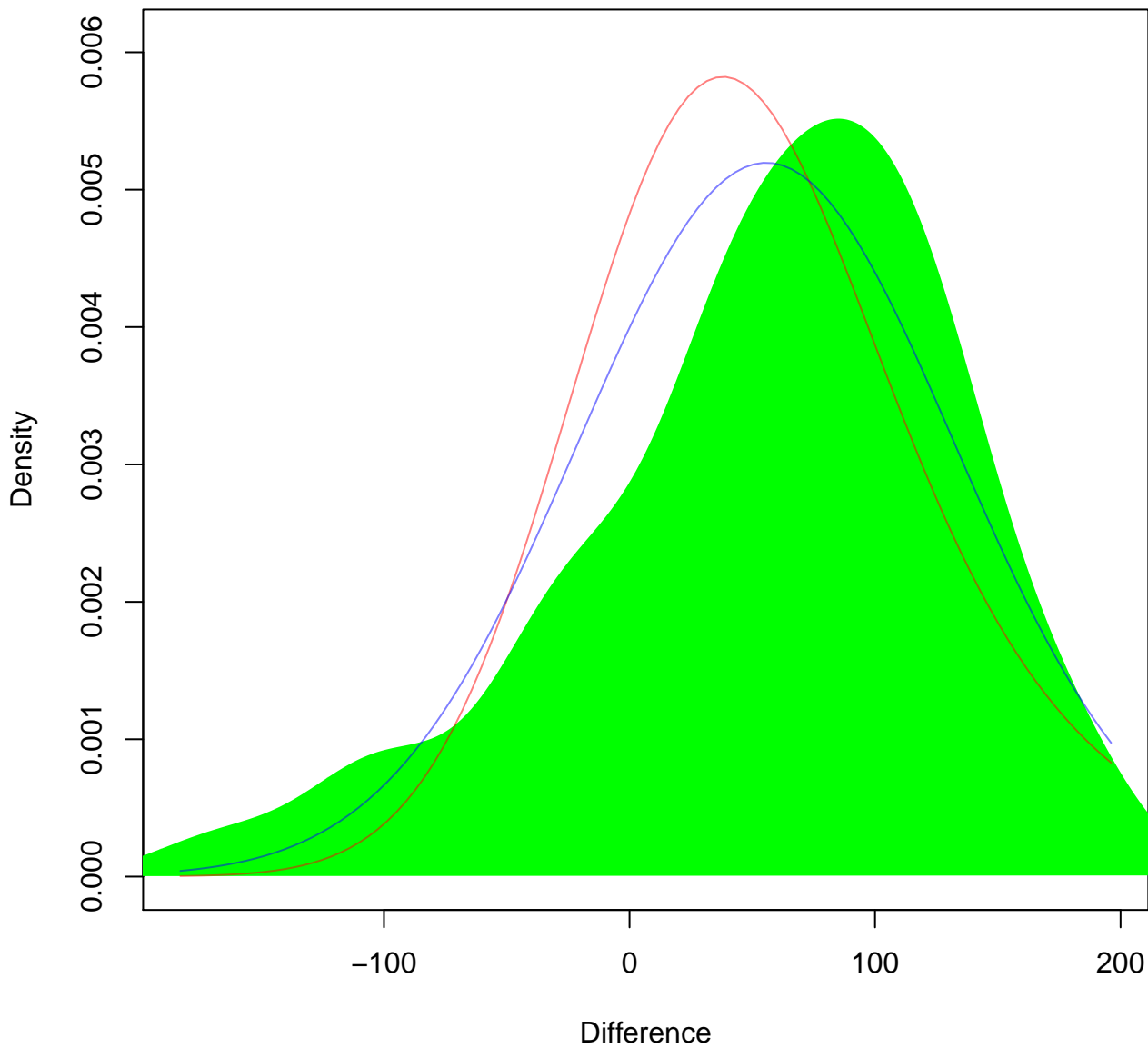
Boxplot of resid(bin.glme.test) Q-Q Plot of resid(bin.glme.test)



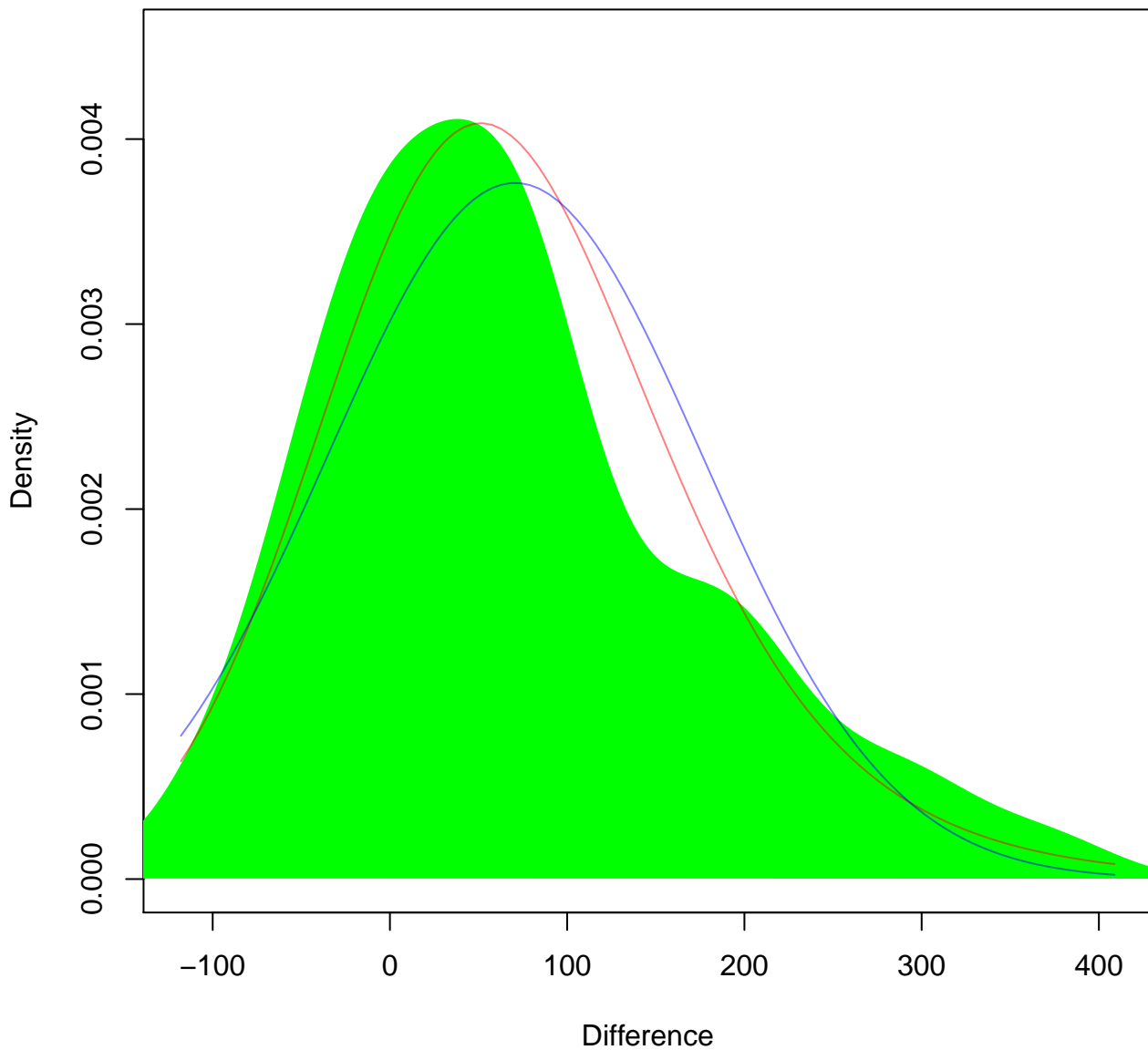
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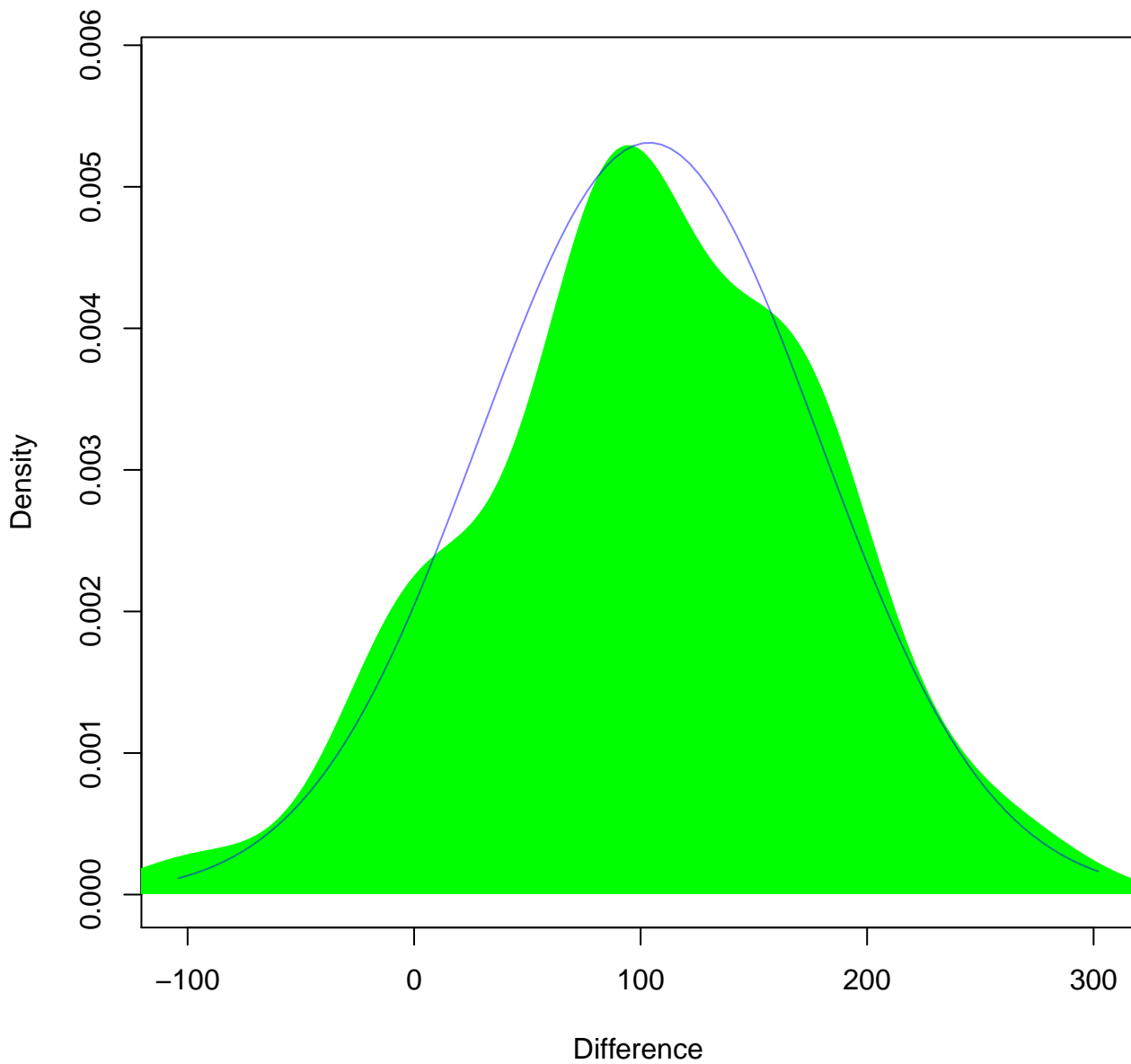
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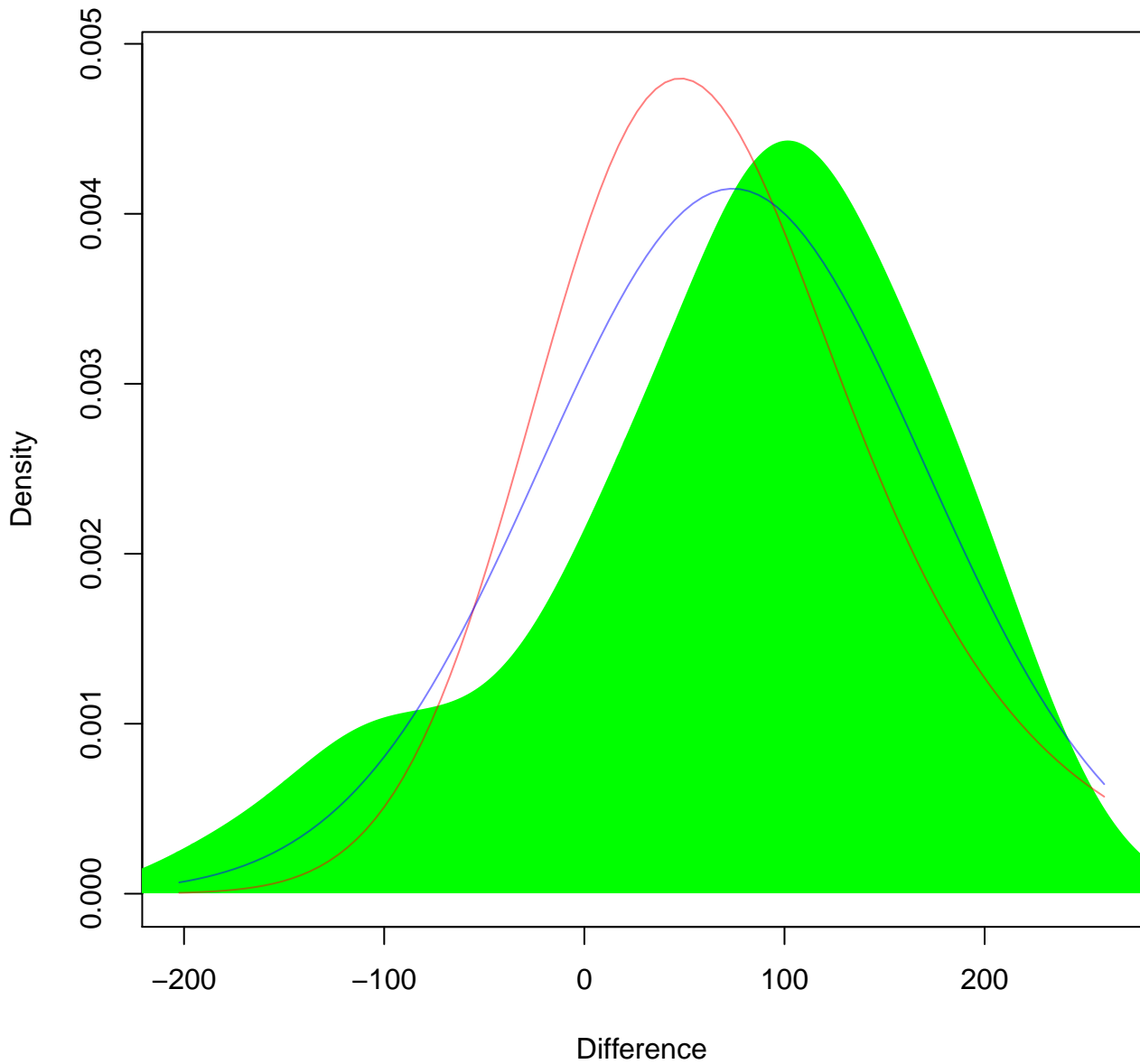
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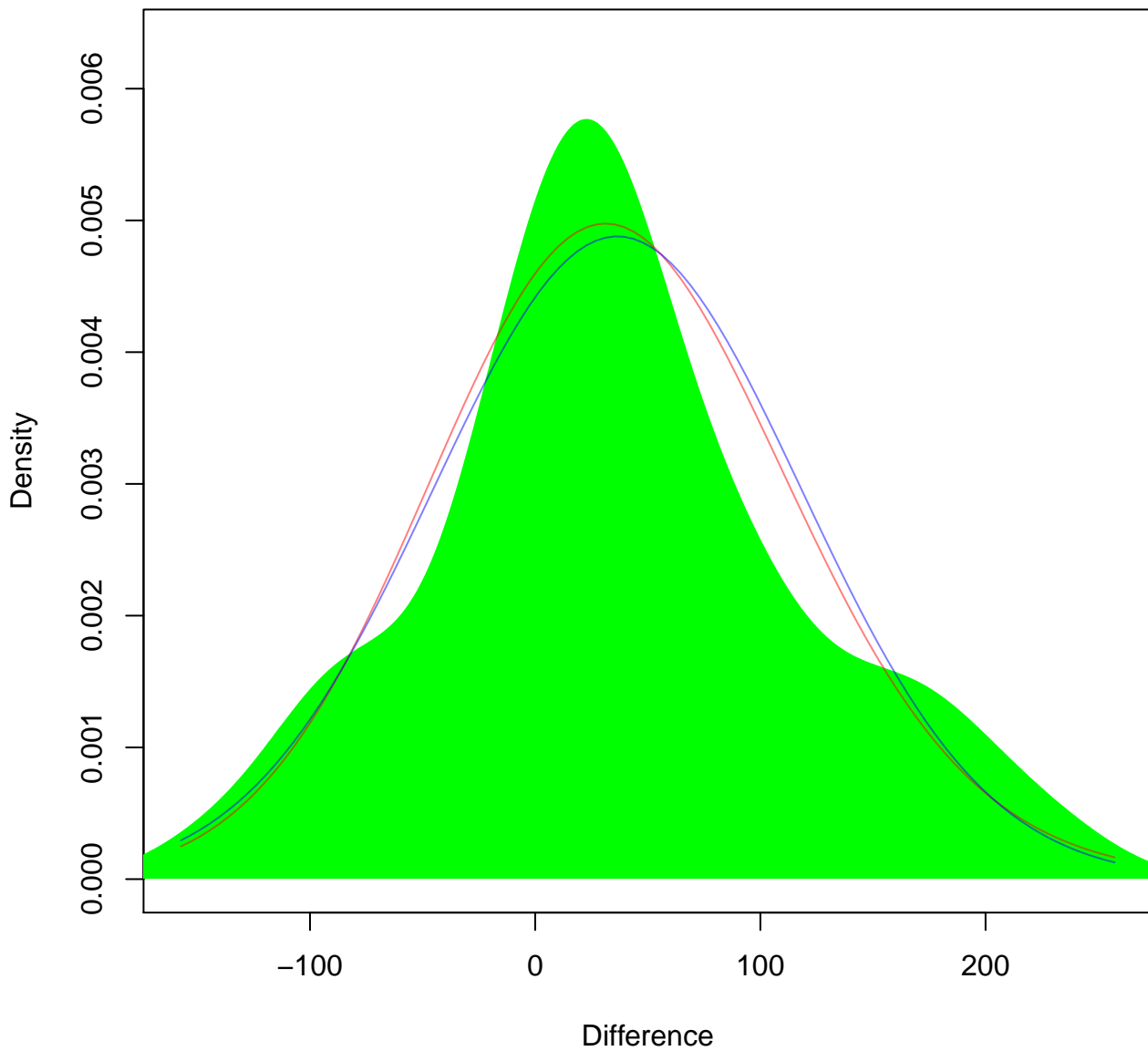
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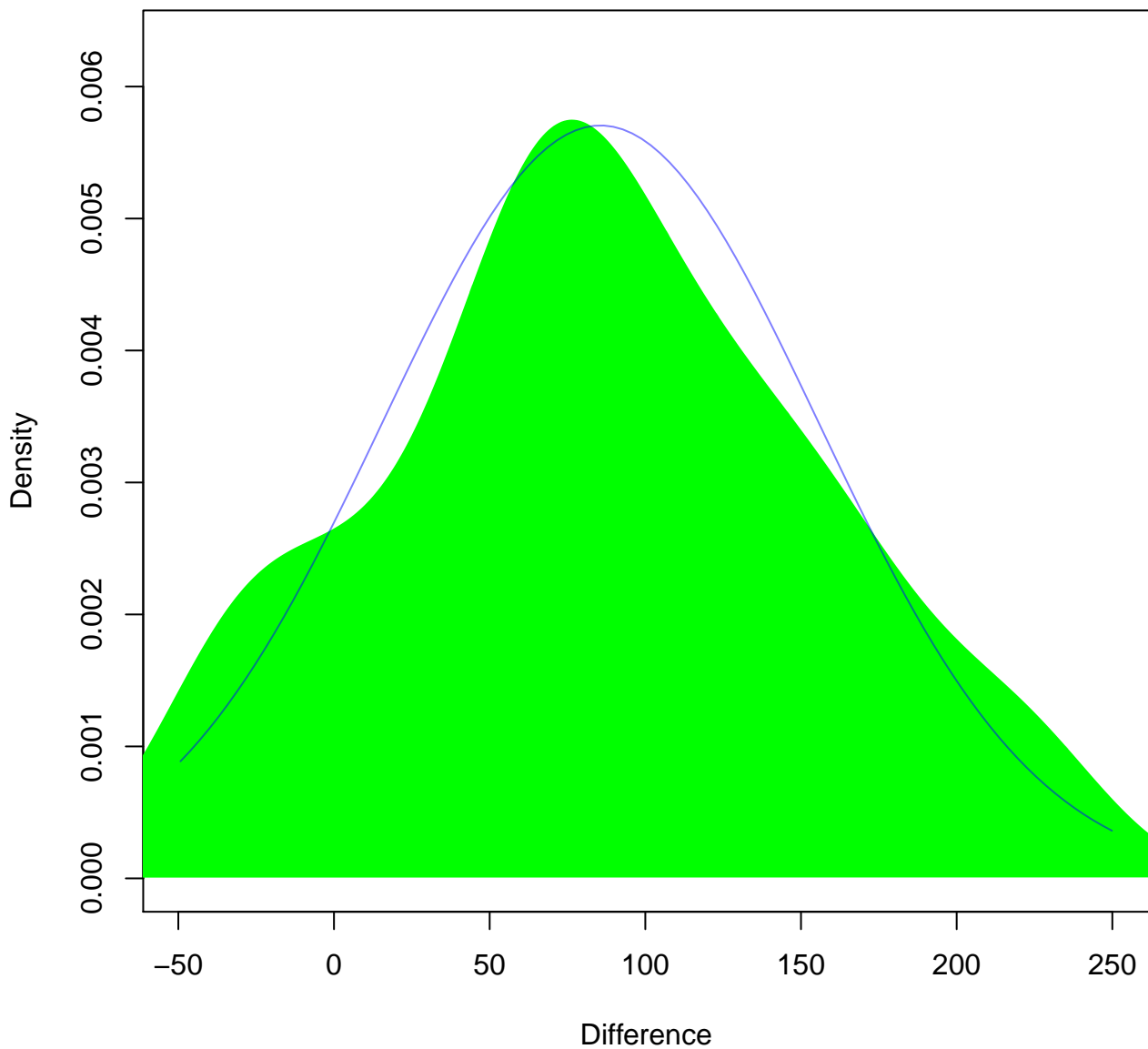
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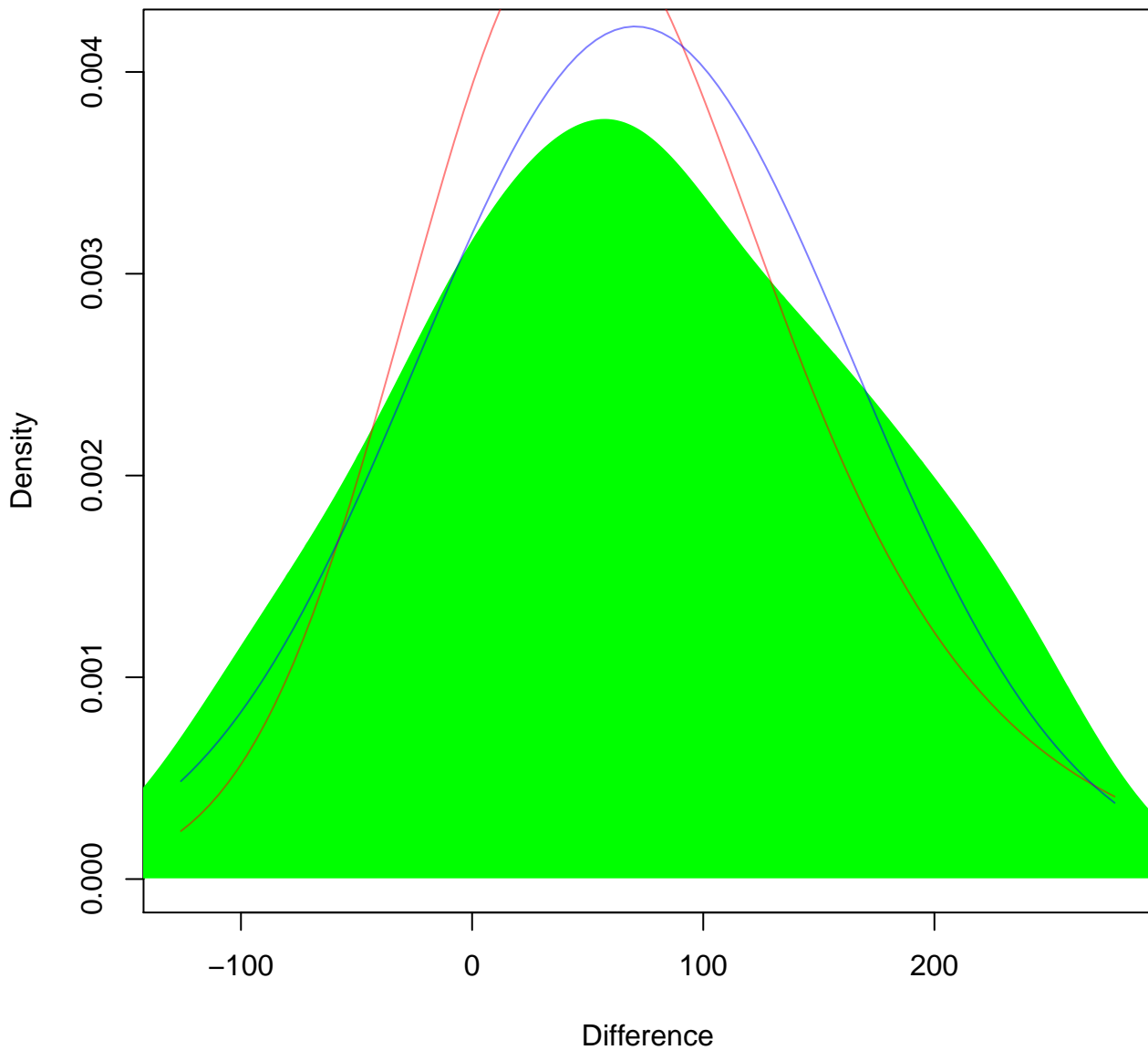
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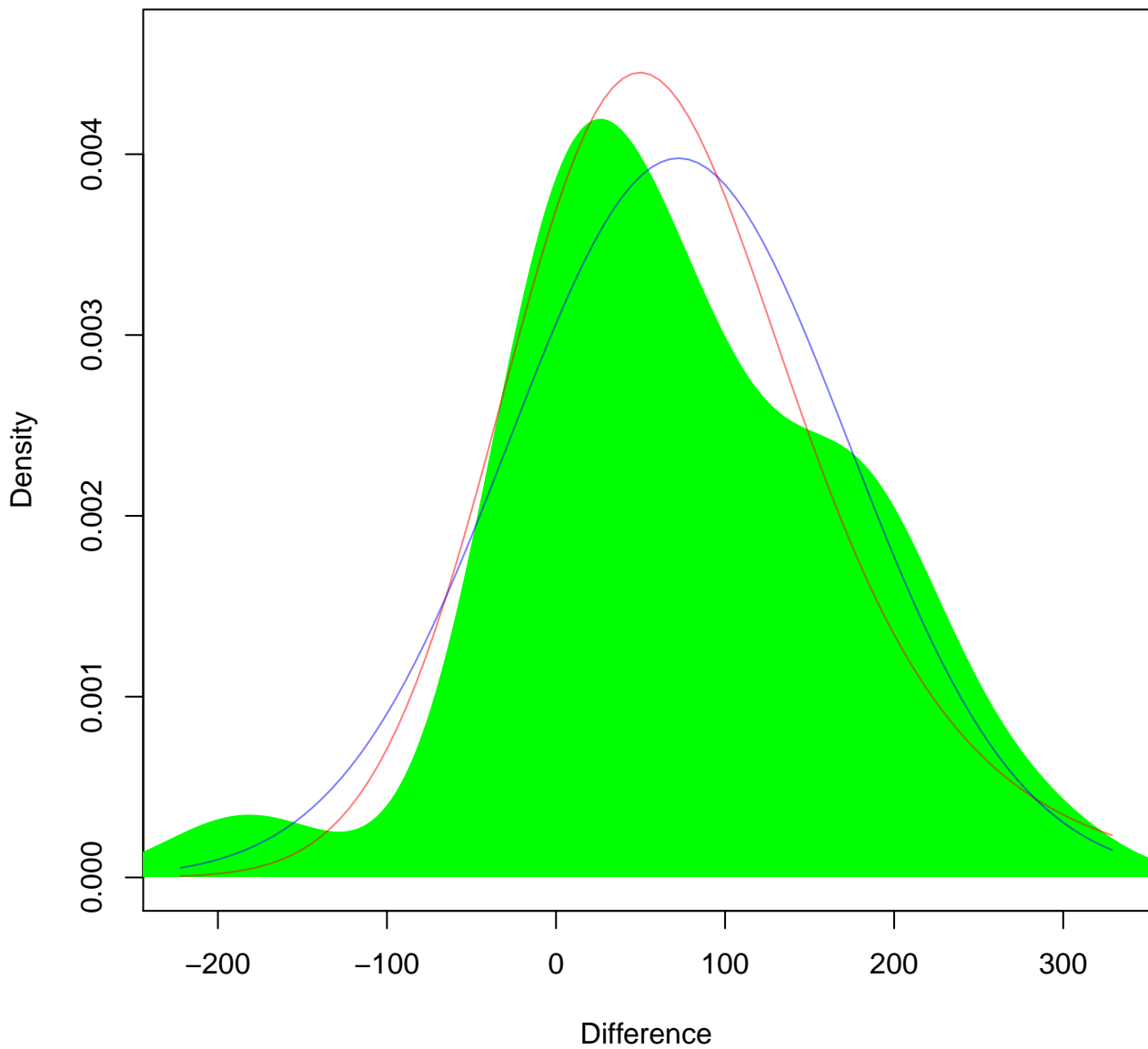
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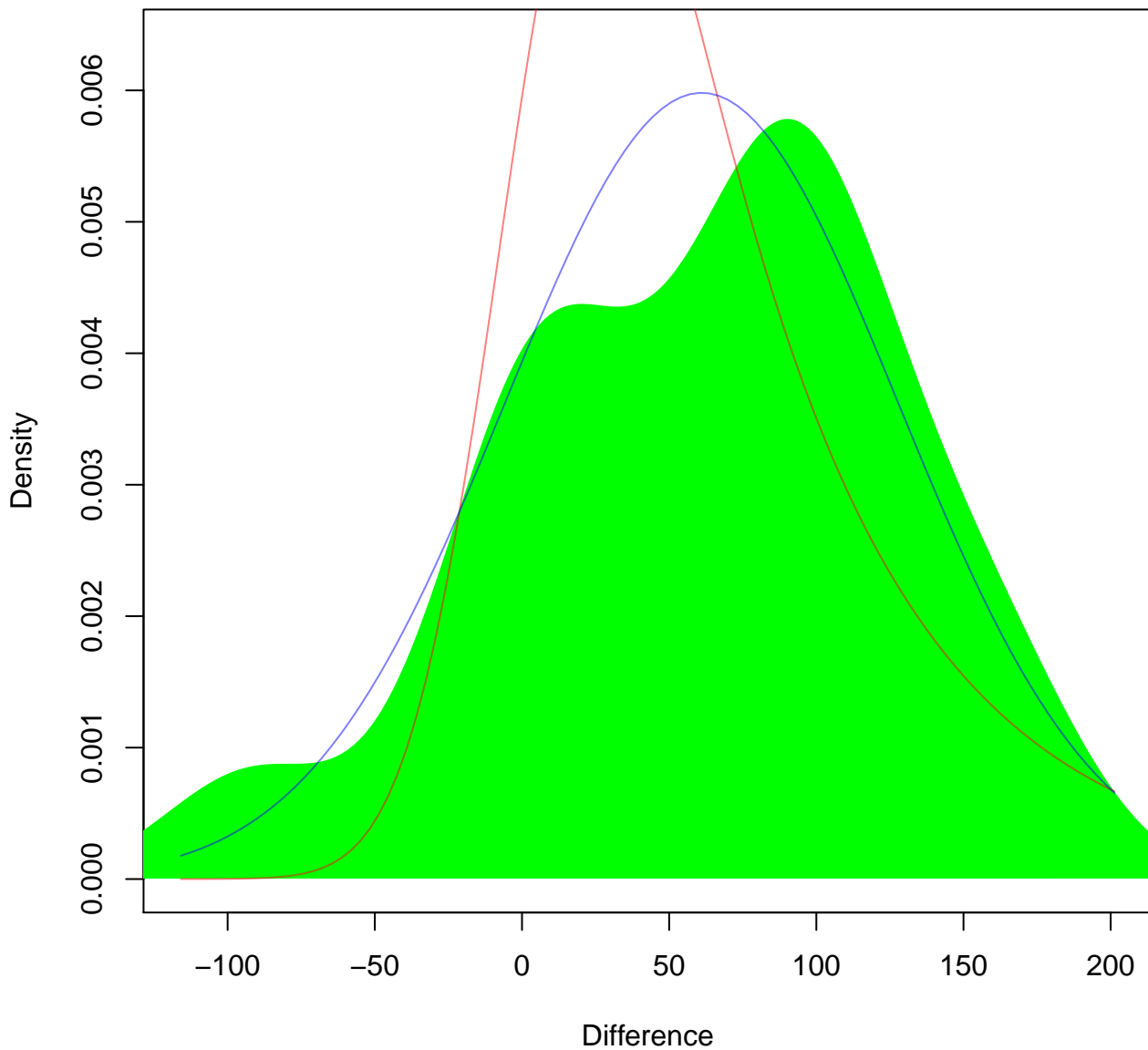
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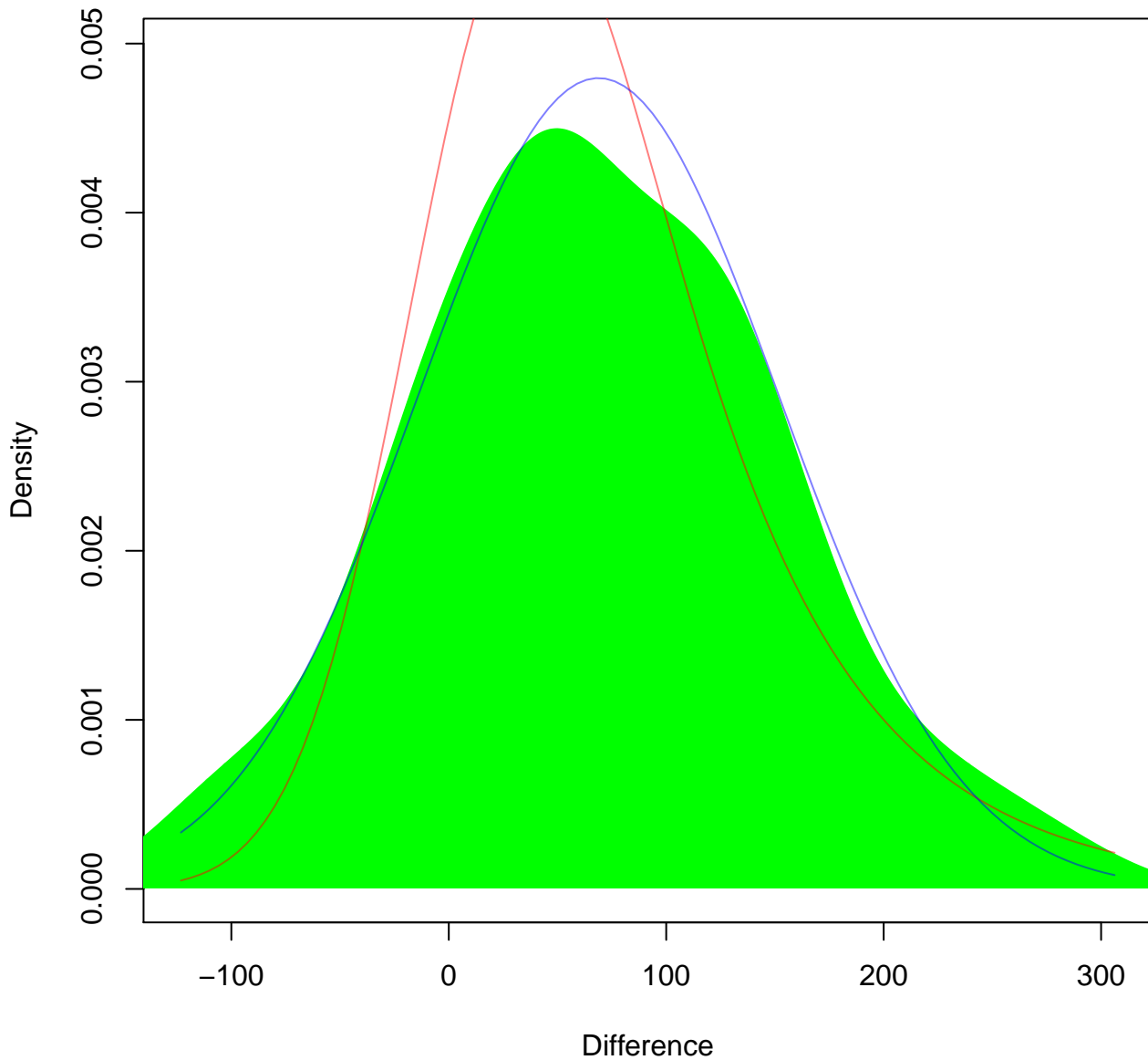
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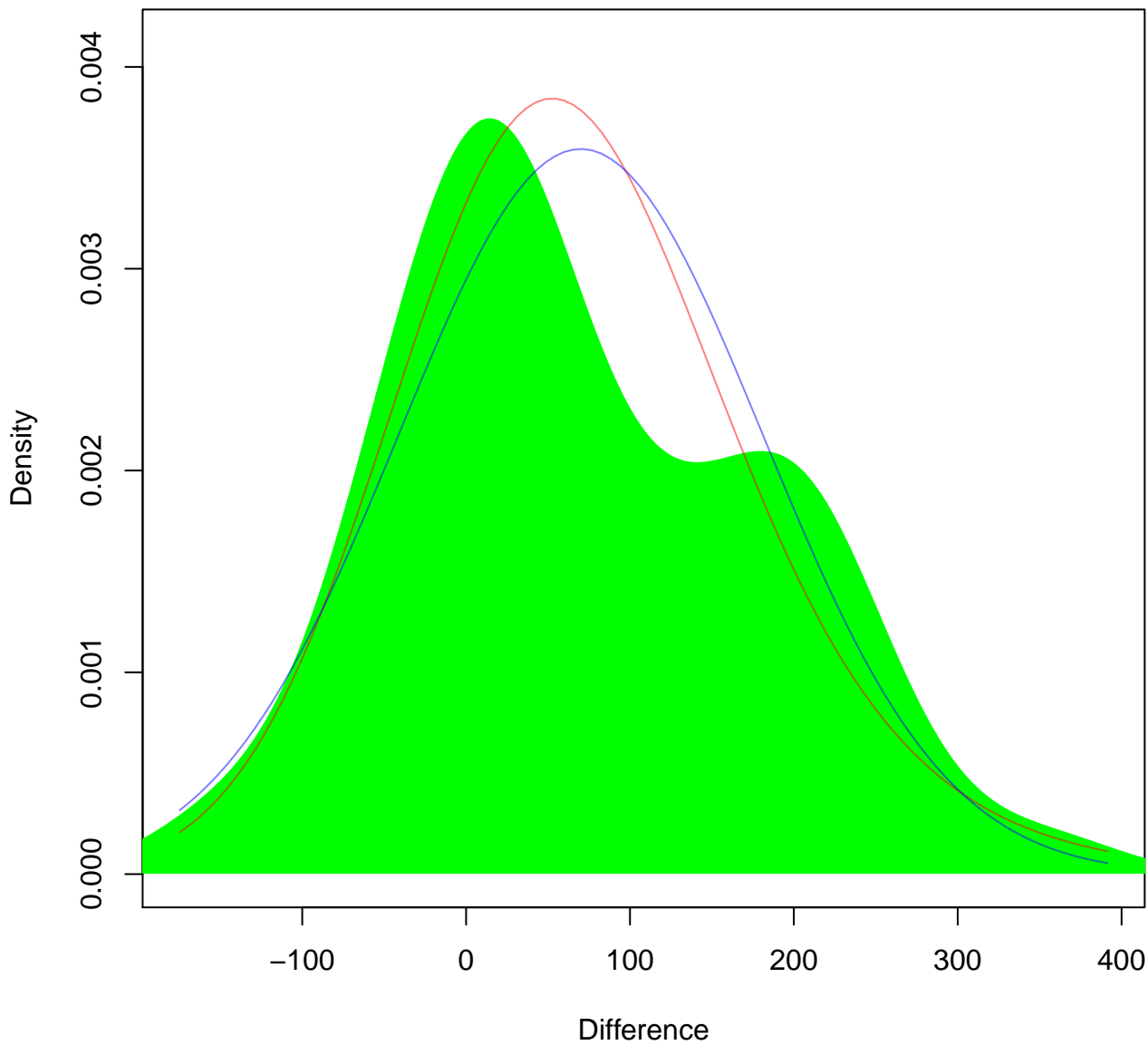
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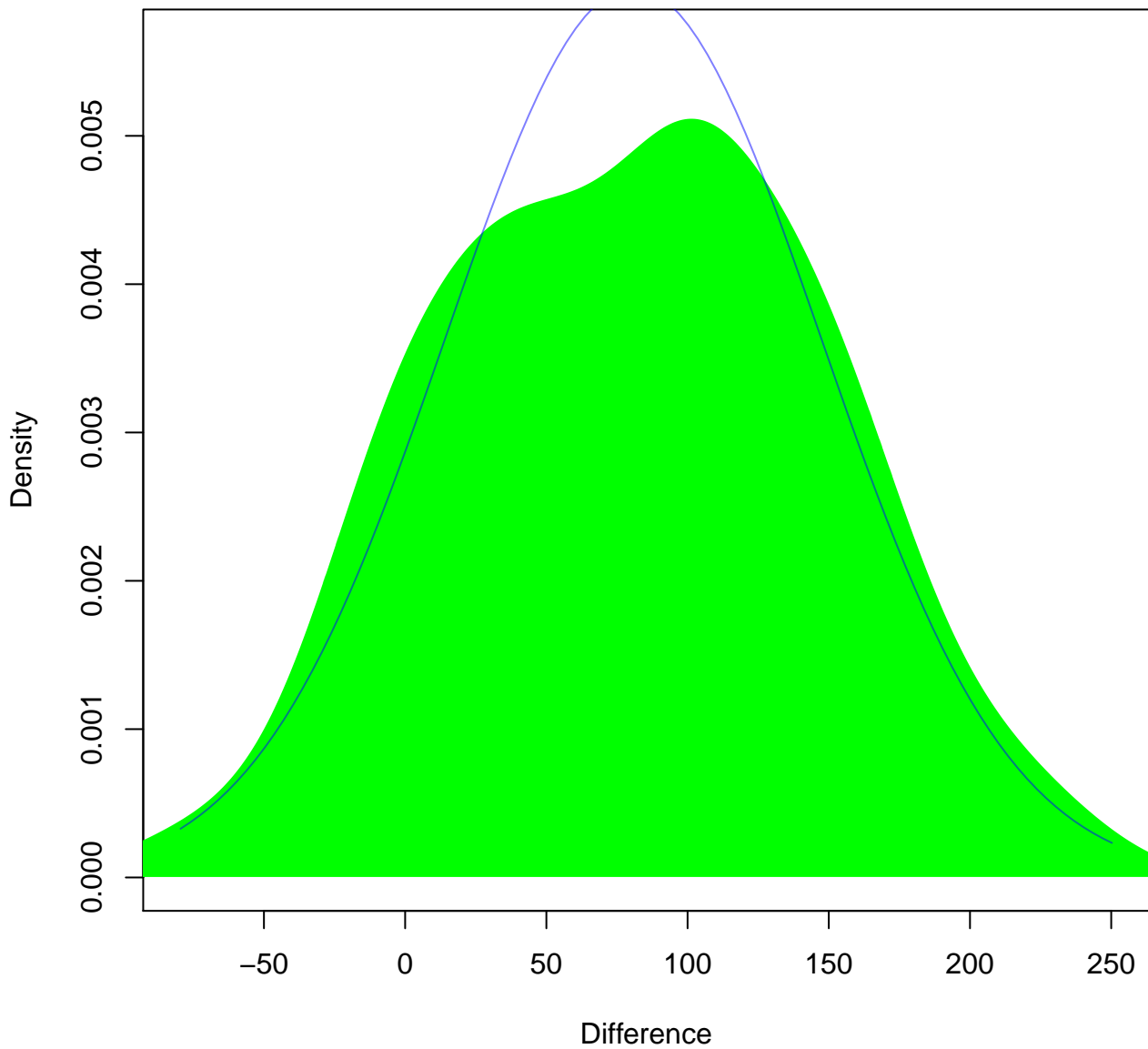
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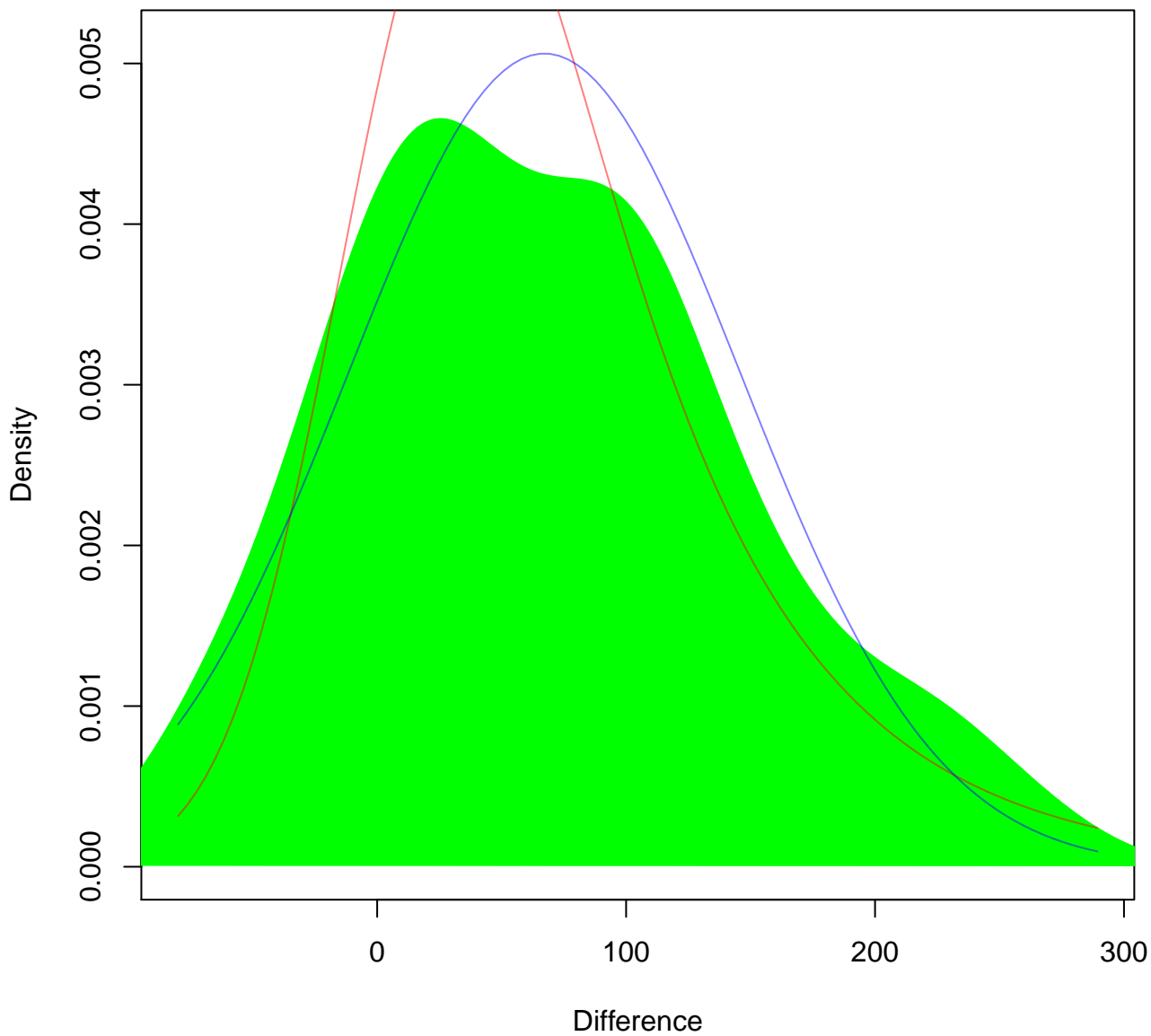
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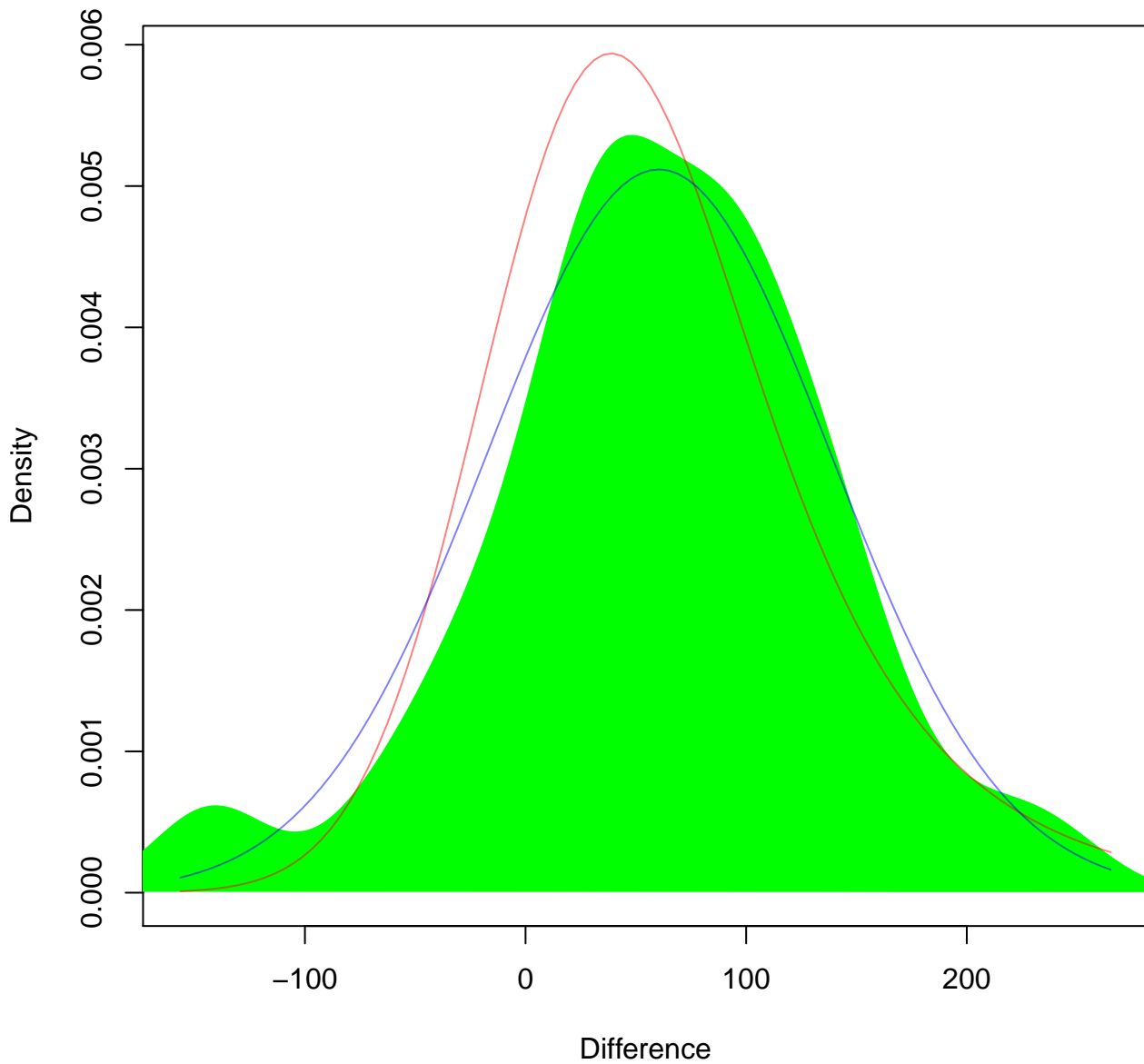
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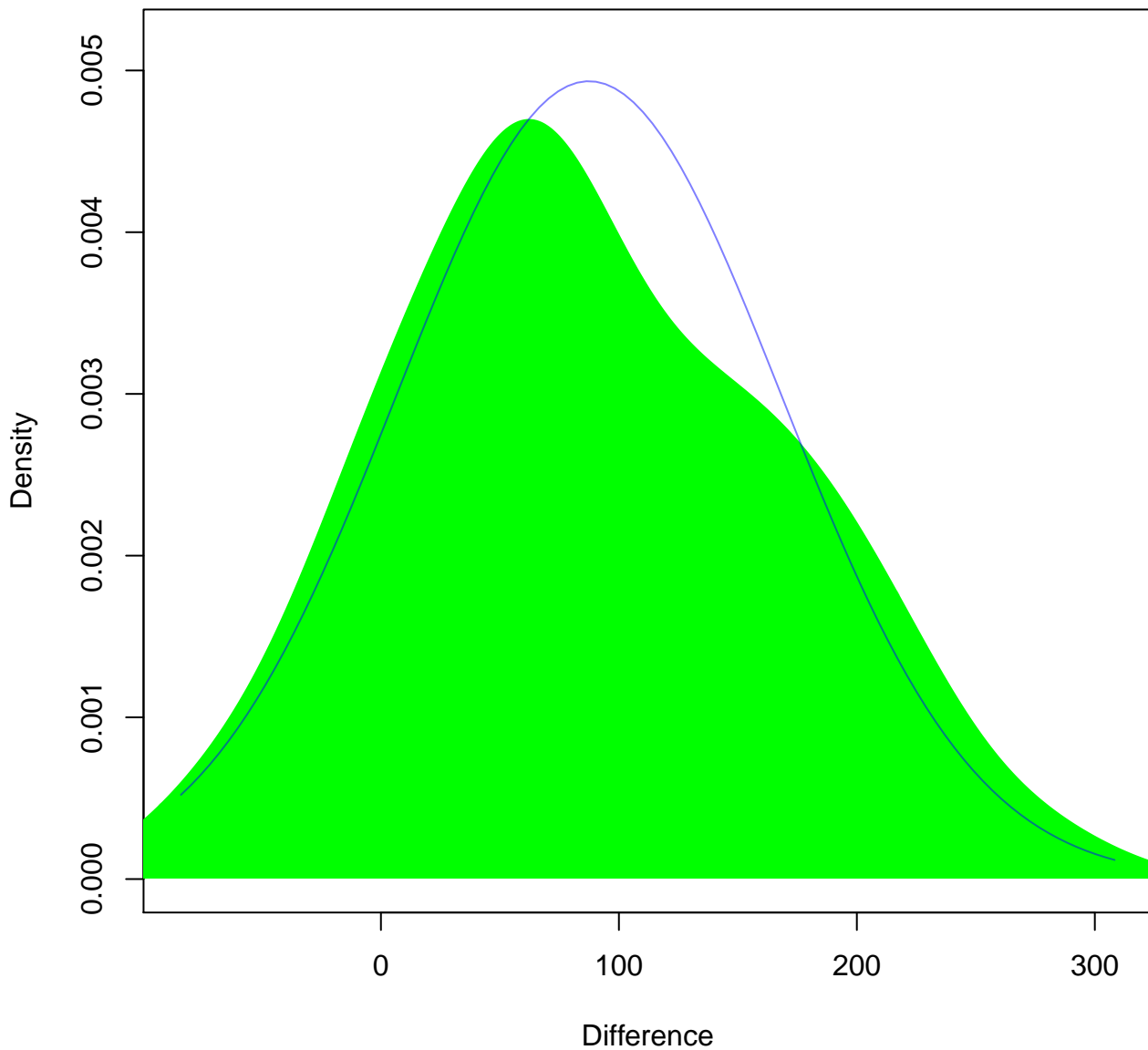
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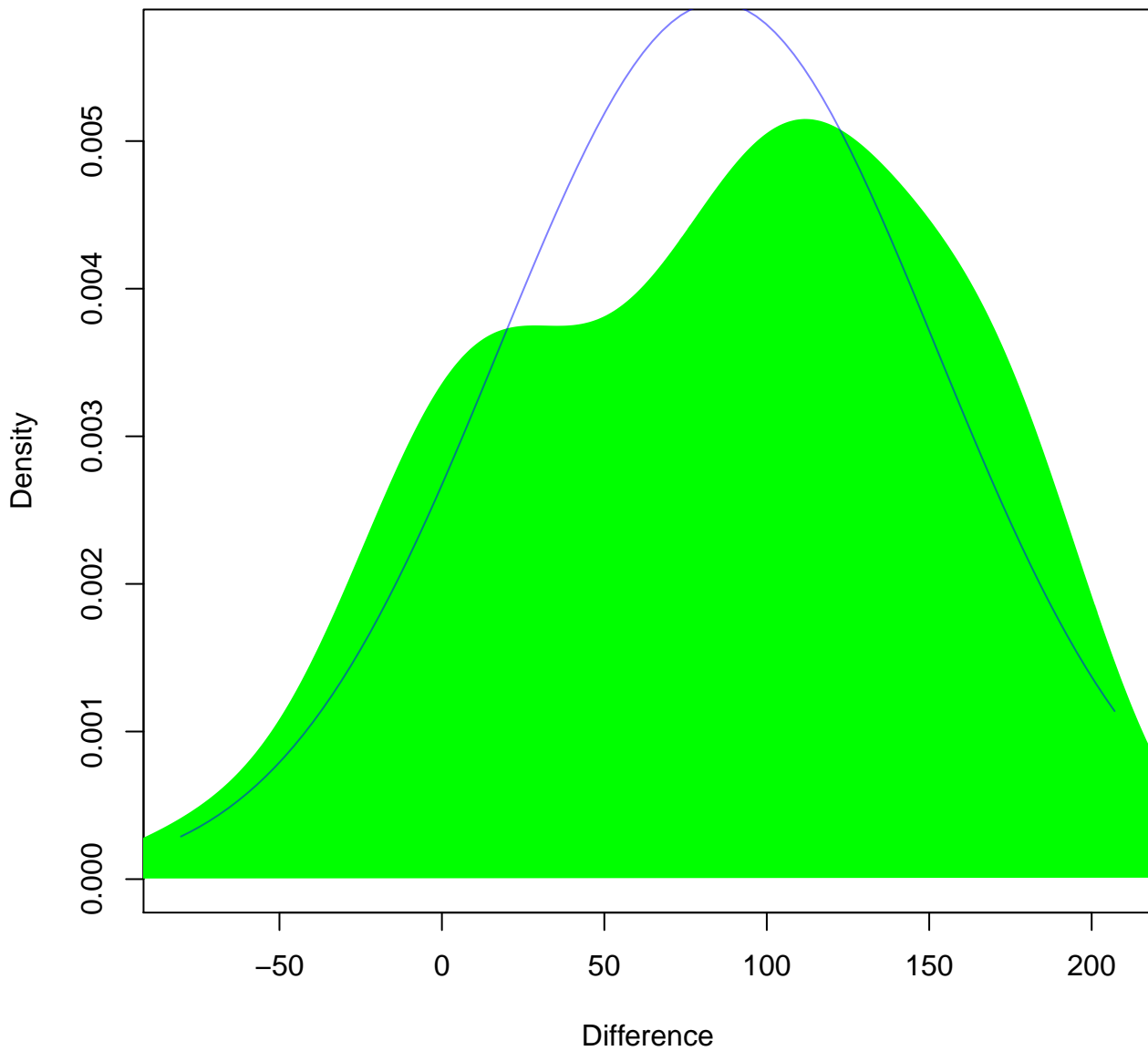
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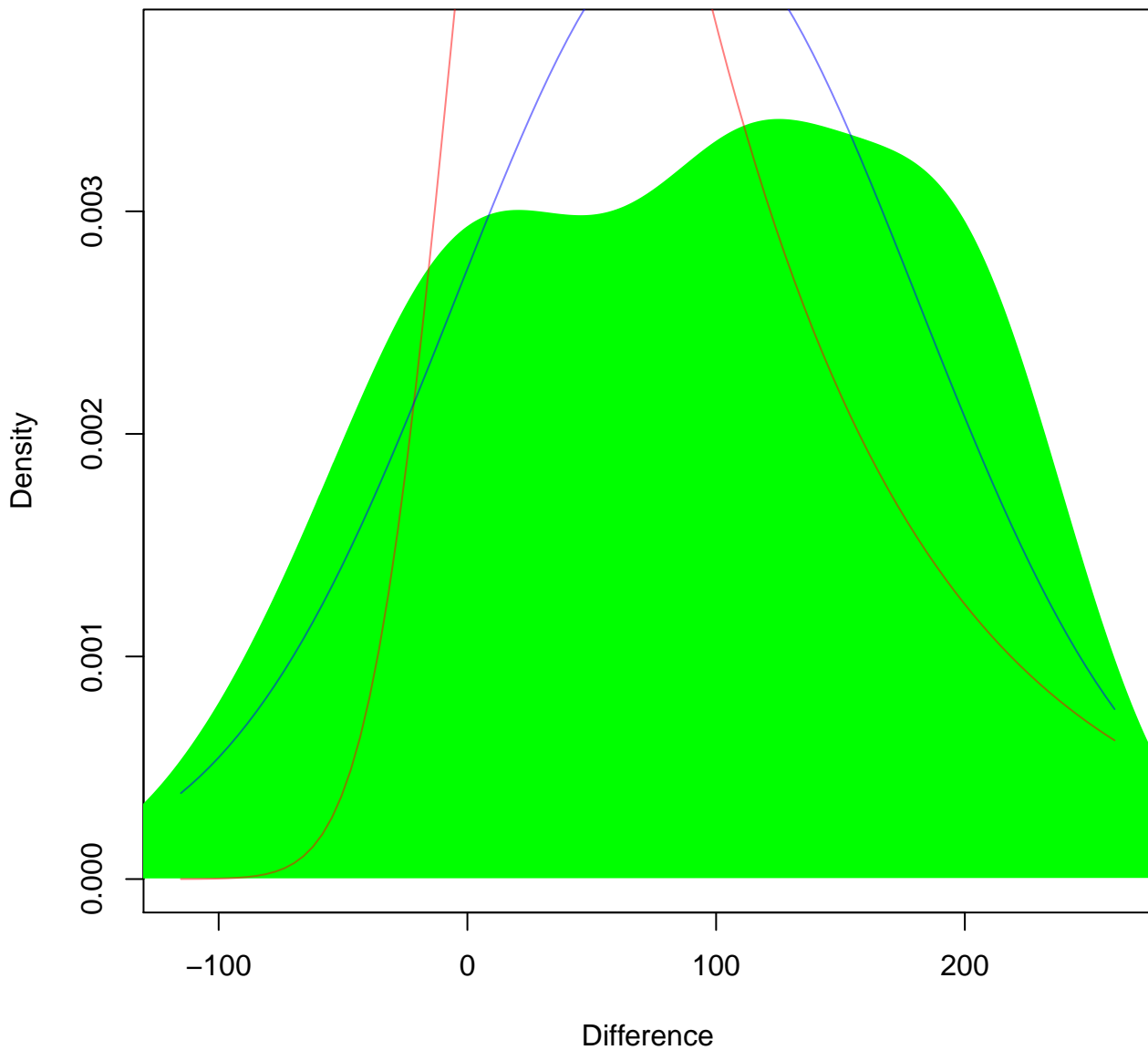
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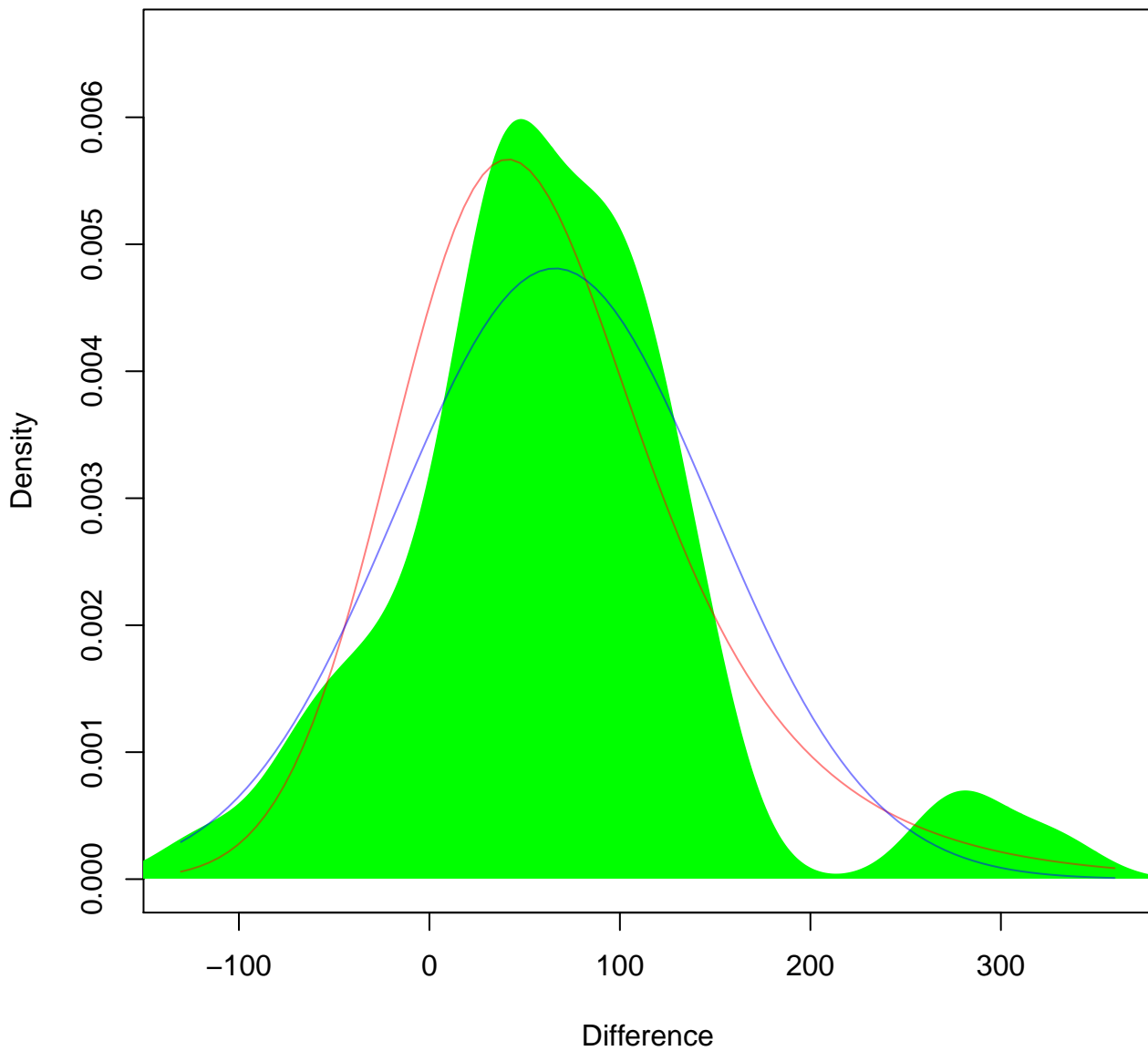


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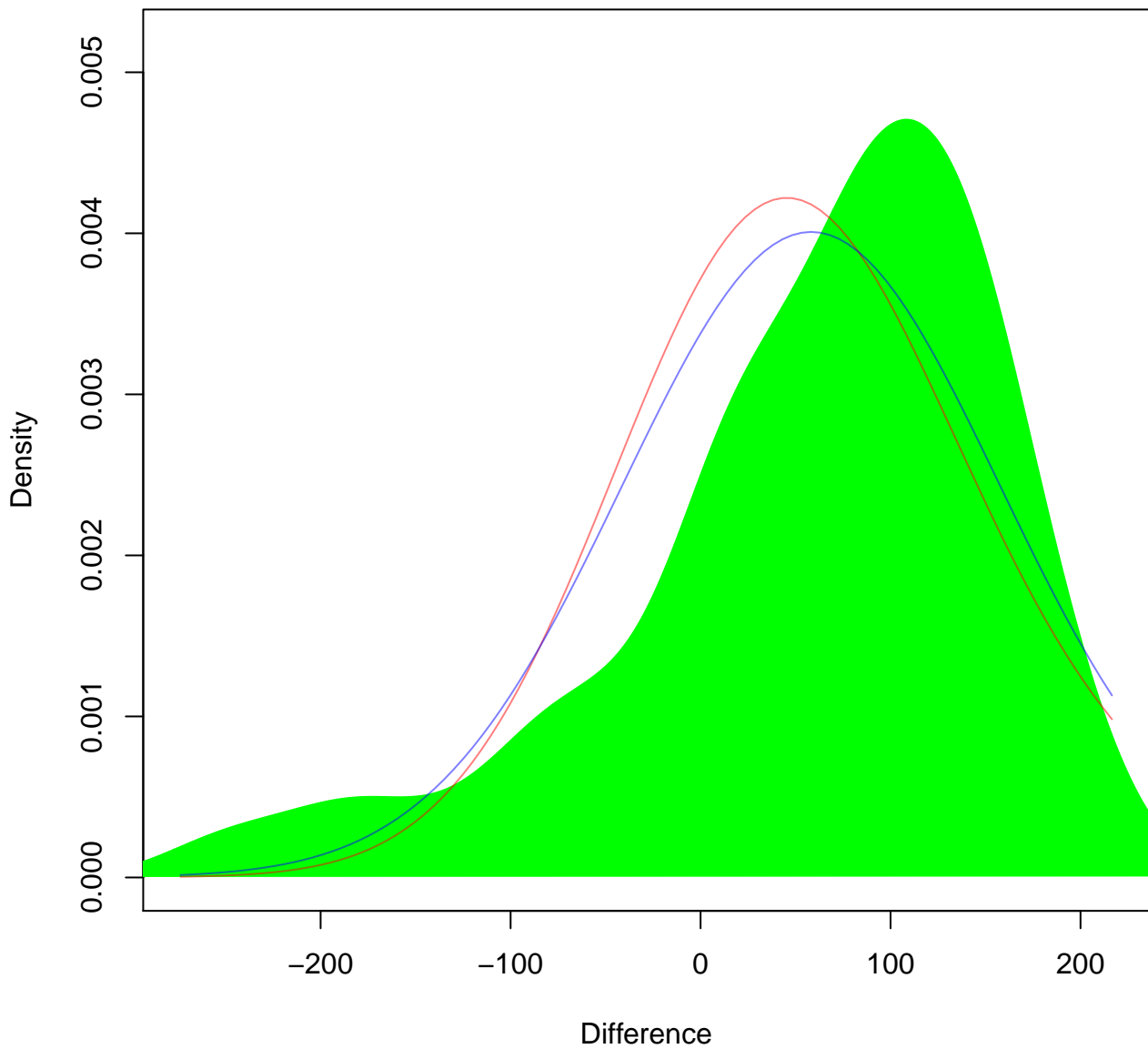


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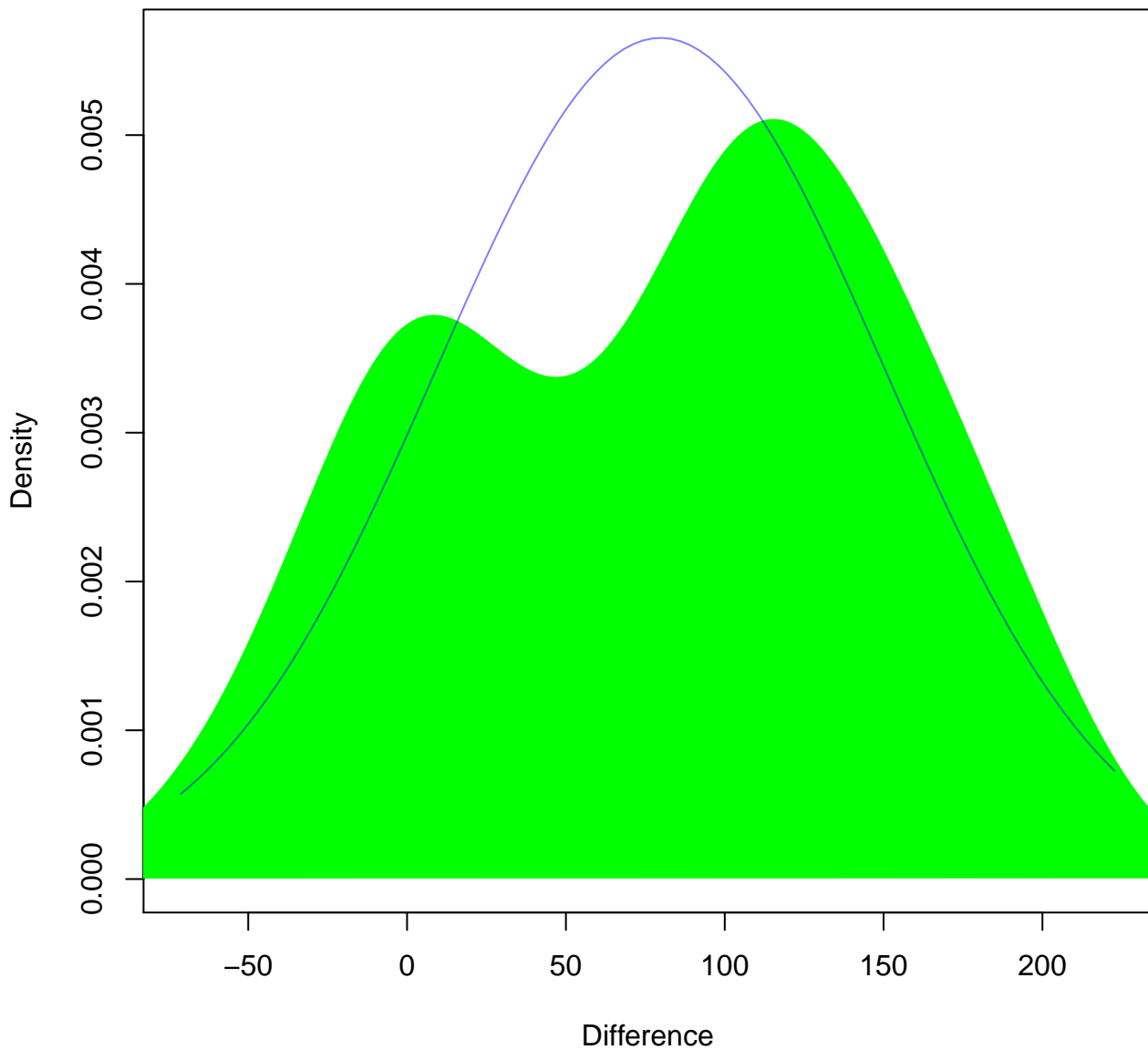




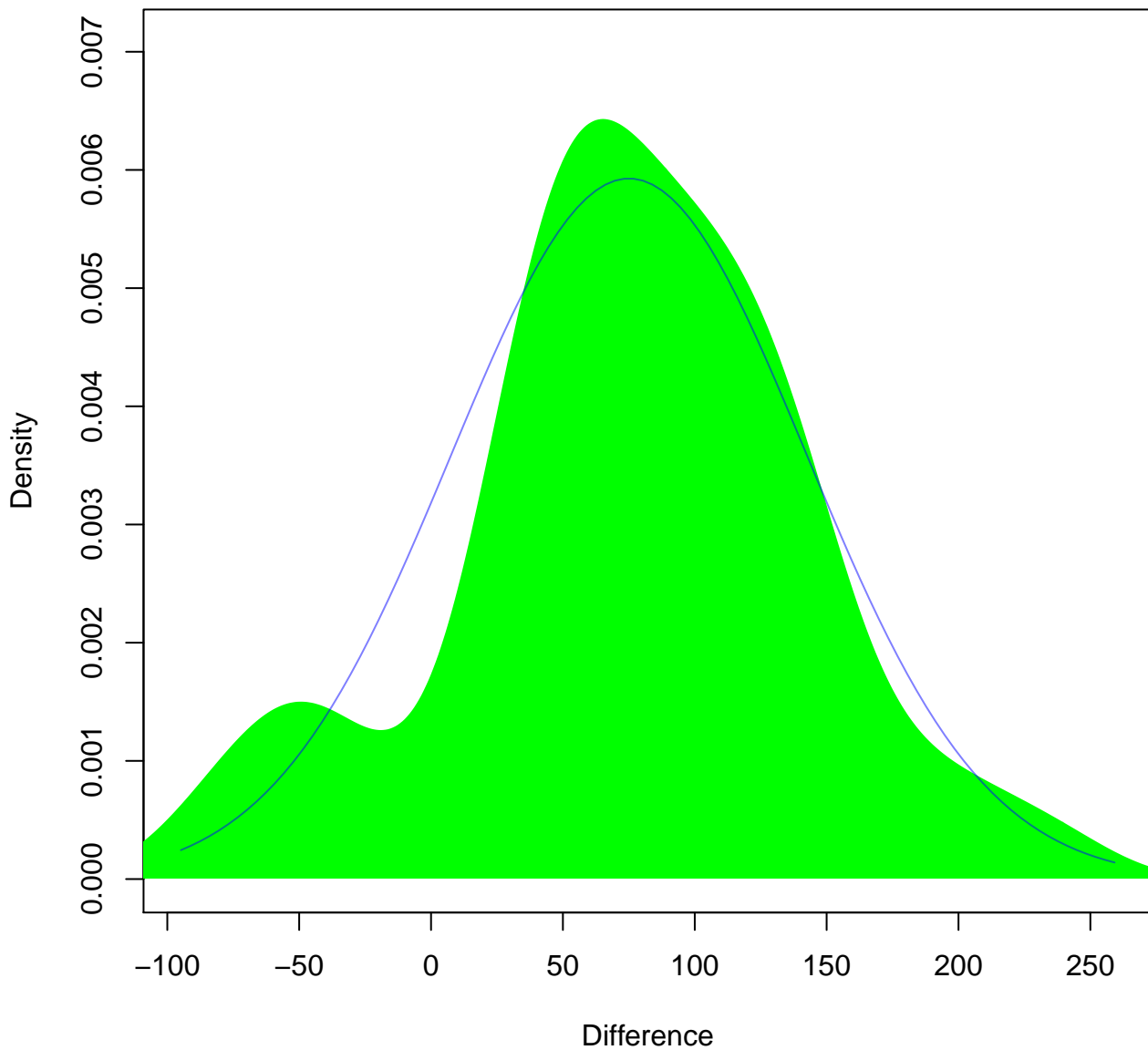
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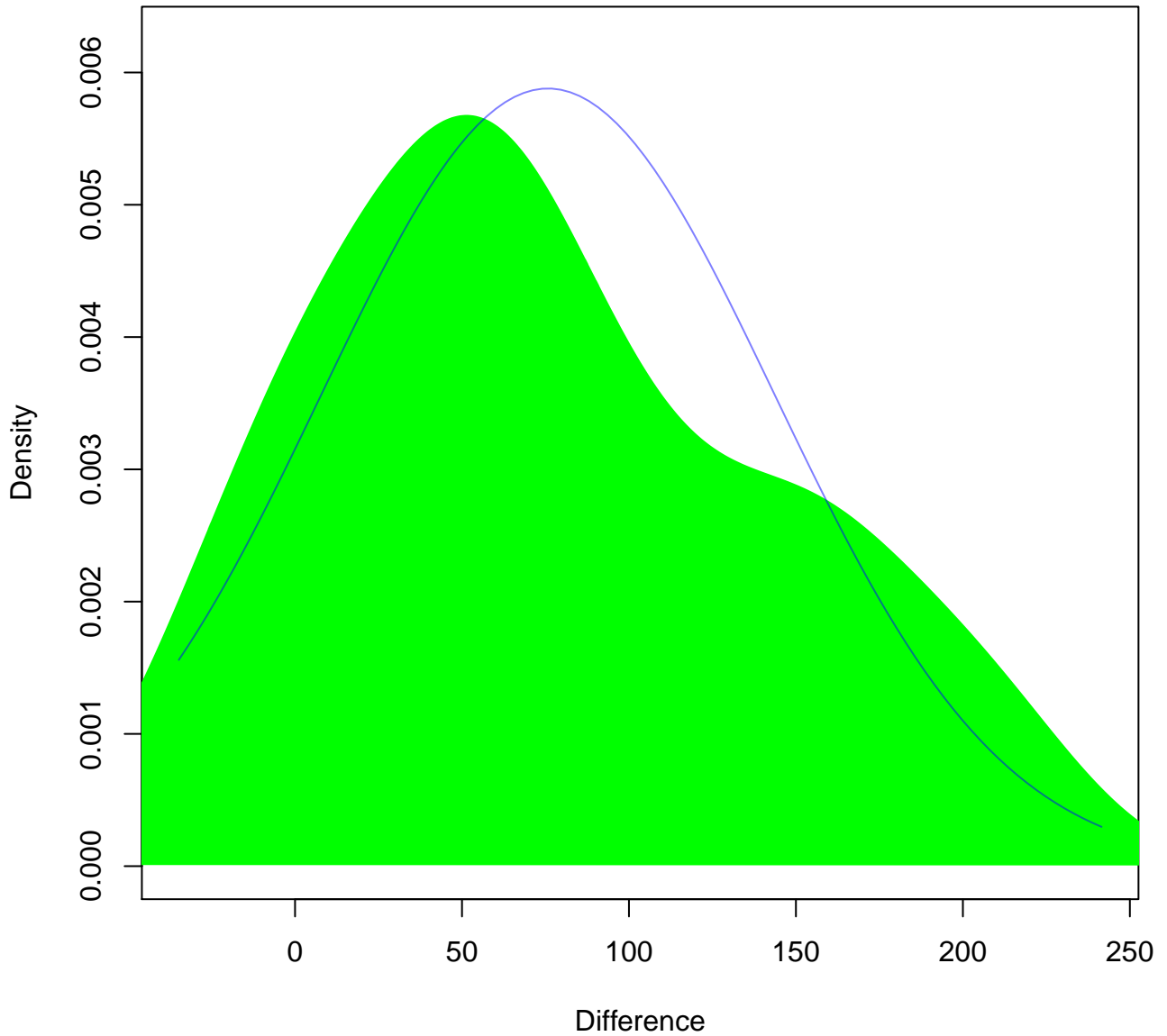
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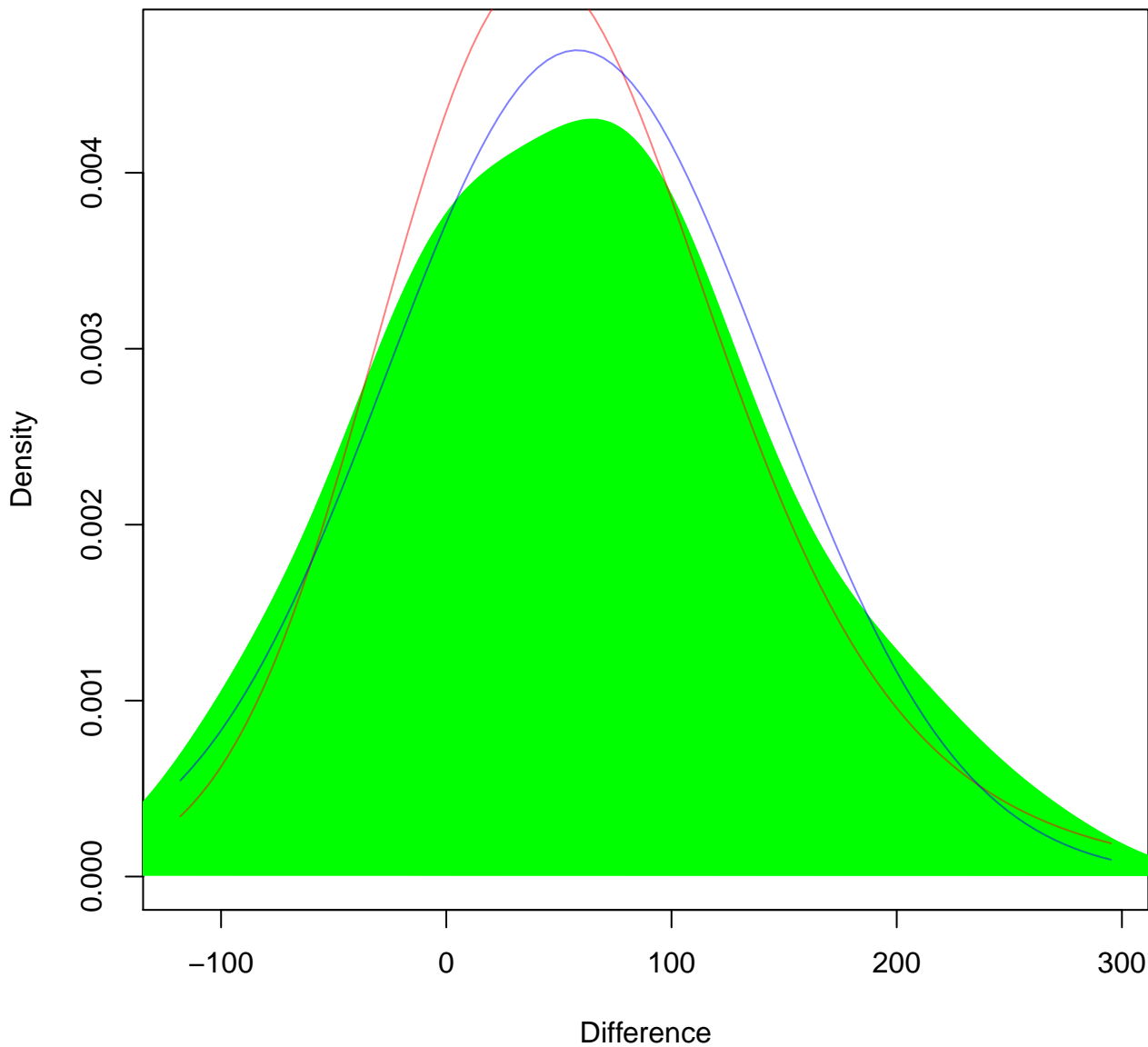
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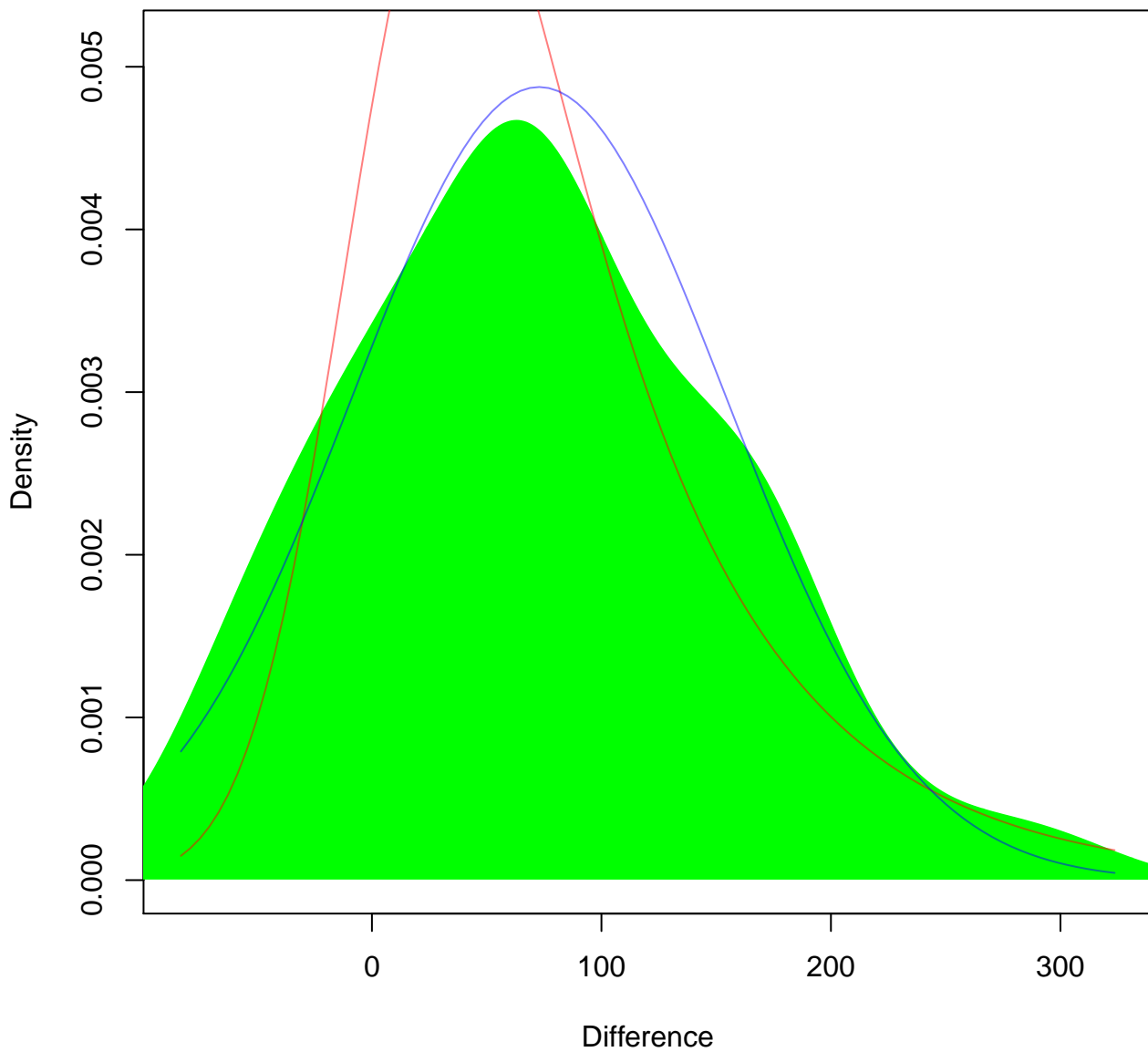
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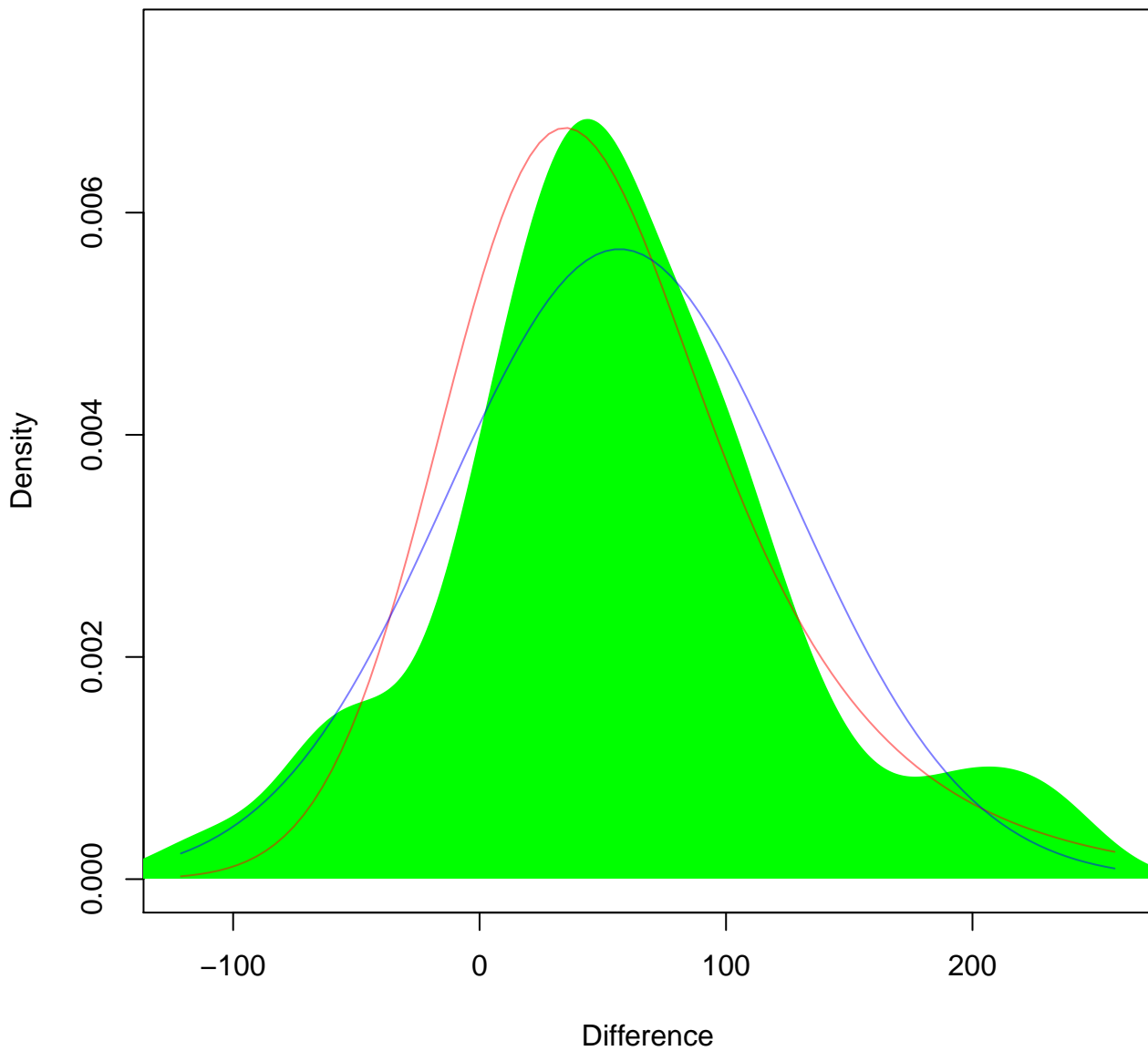
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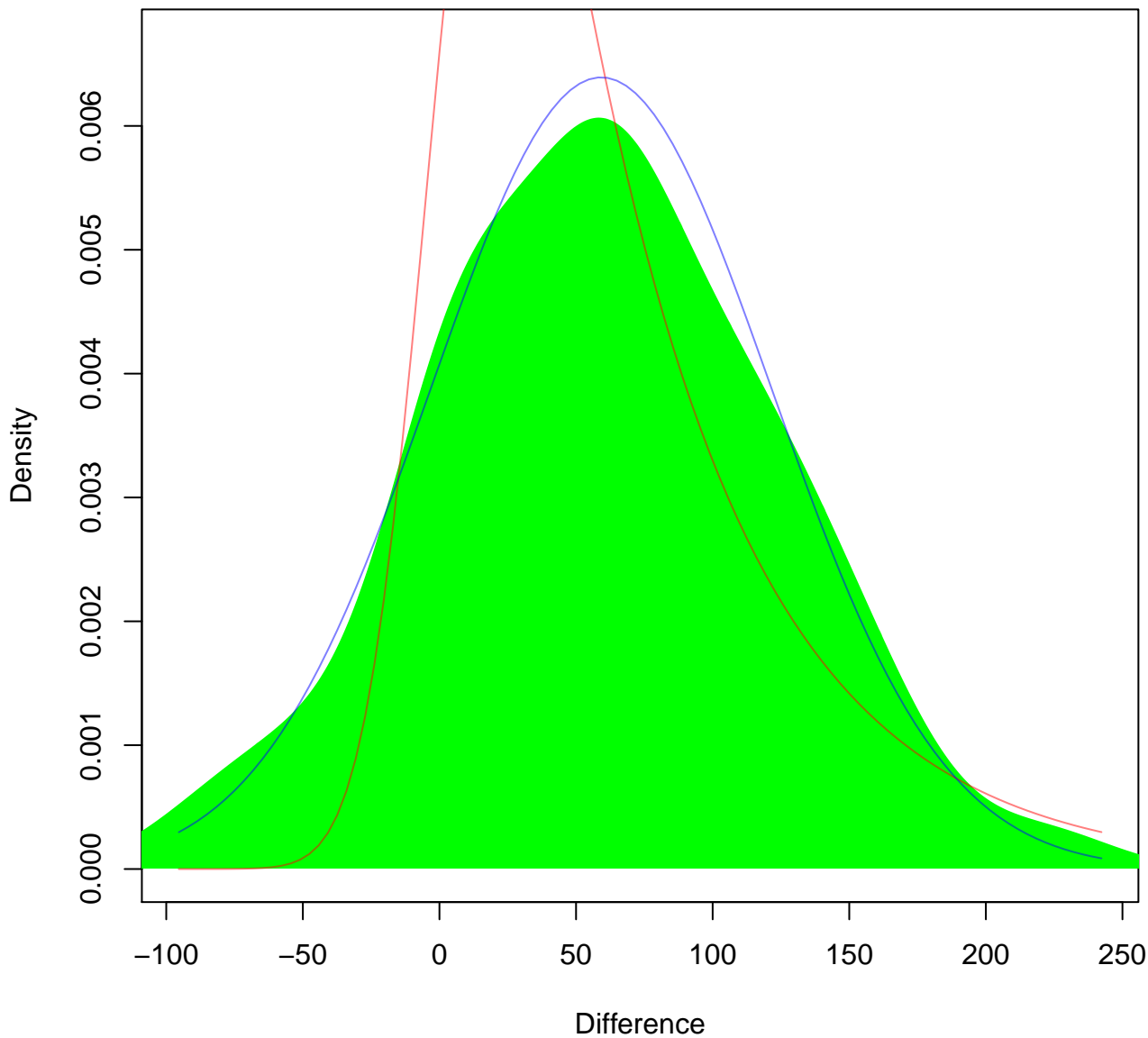
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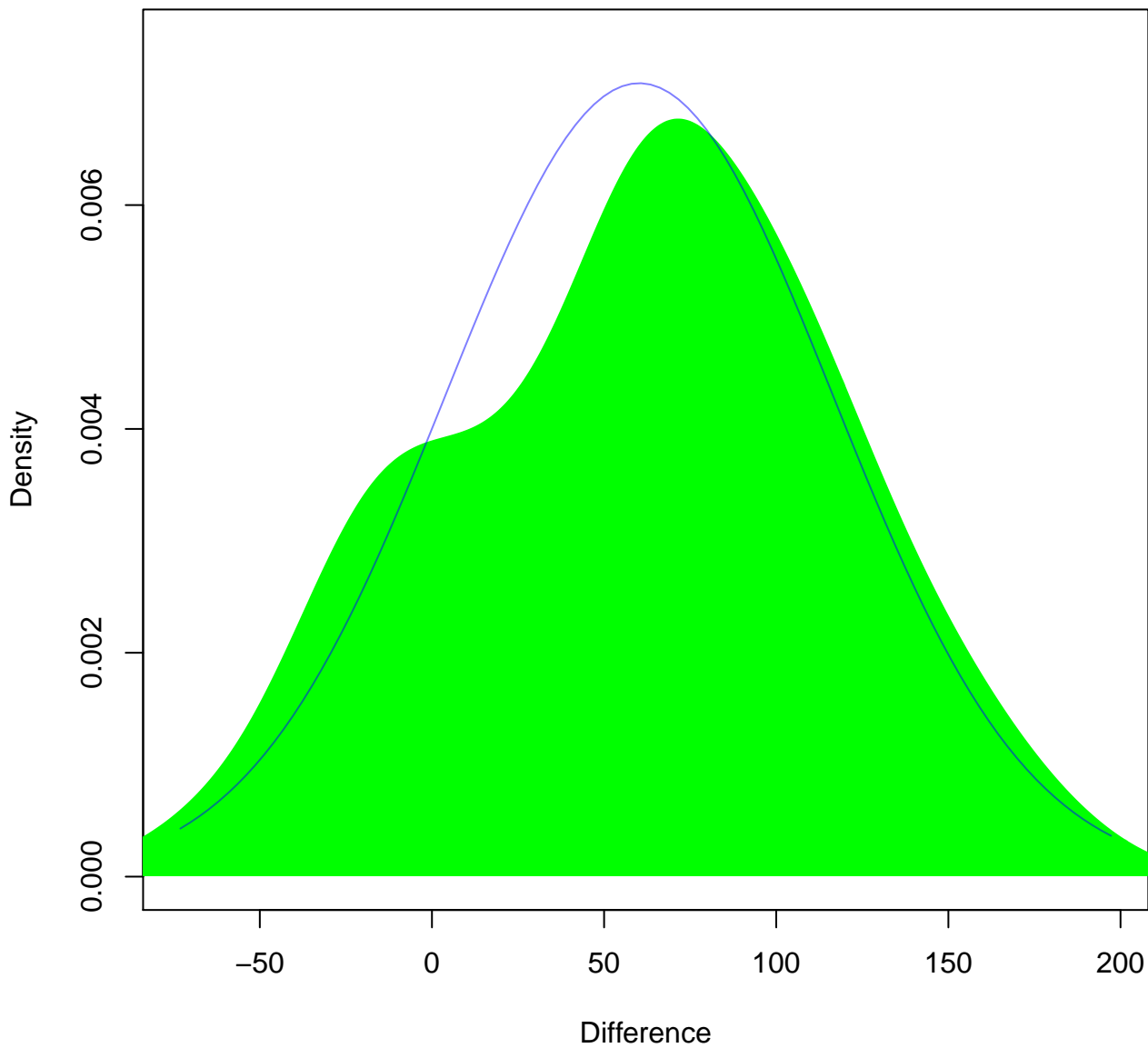
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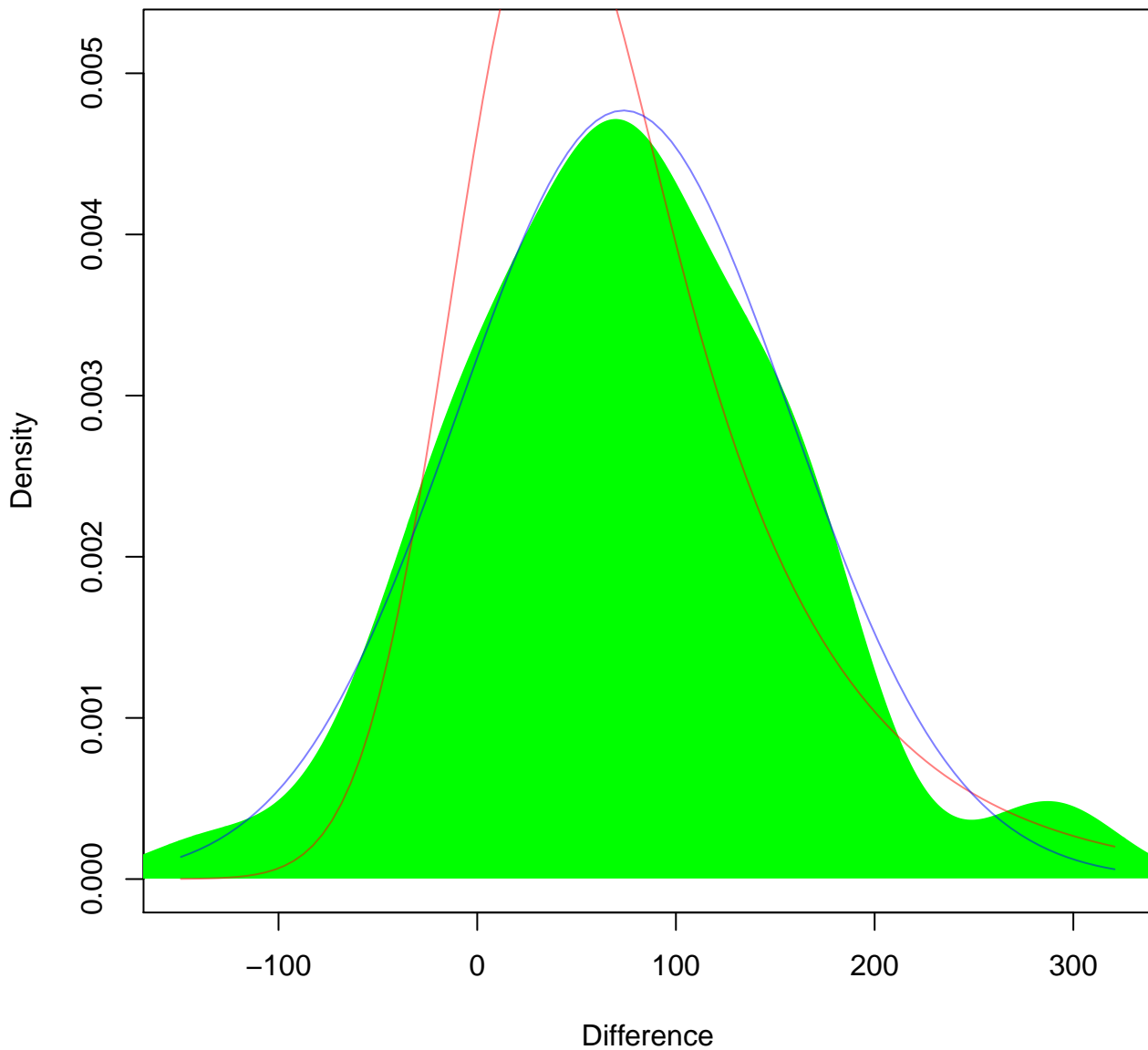
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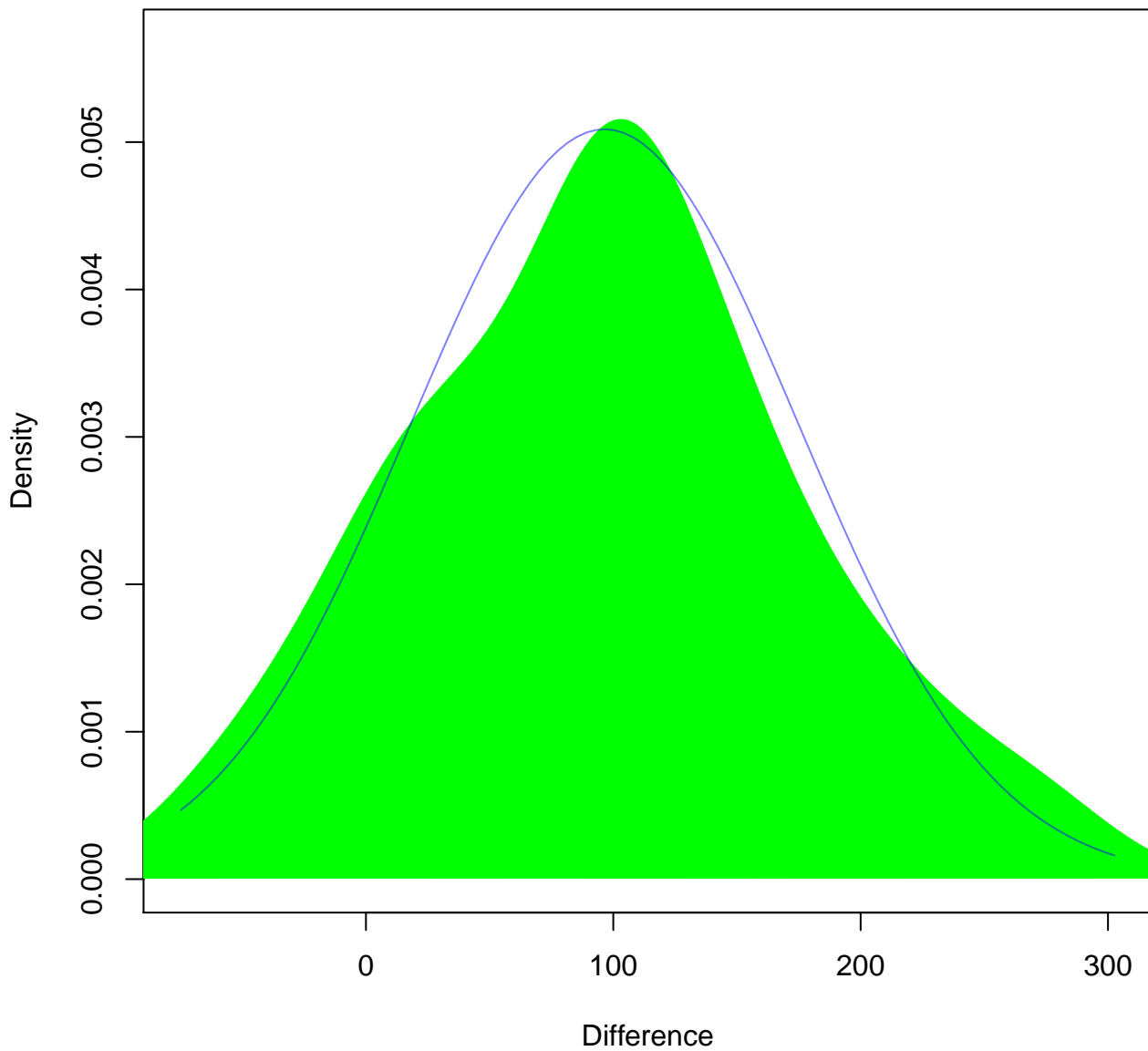
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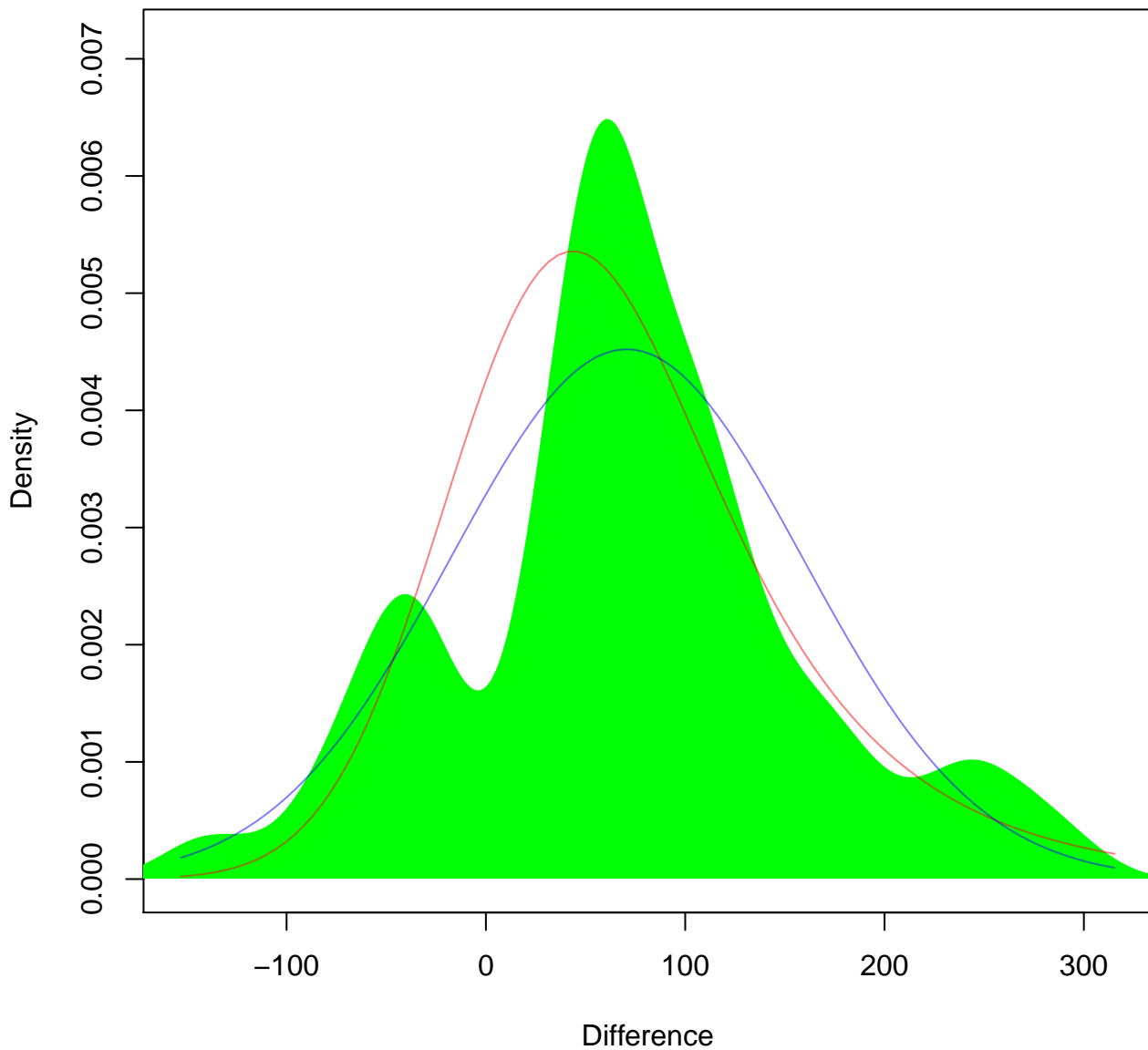
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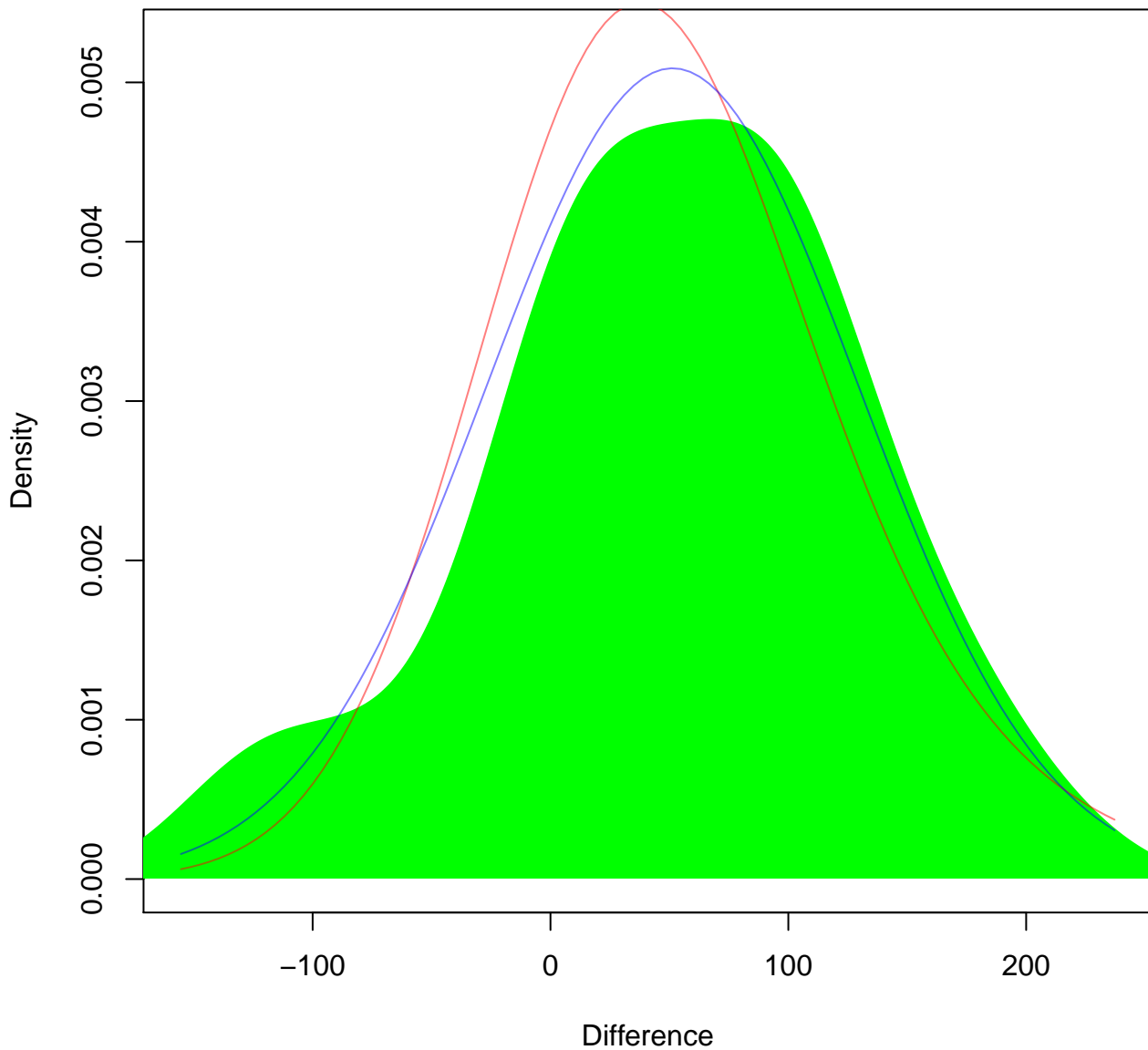
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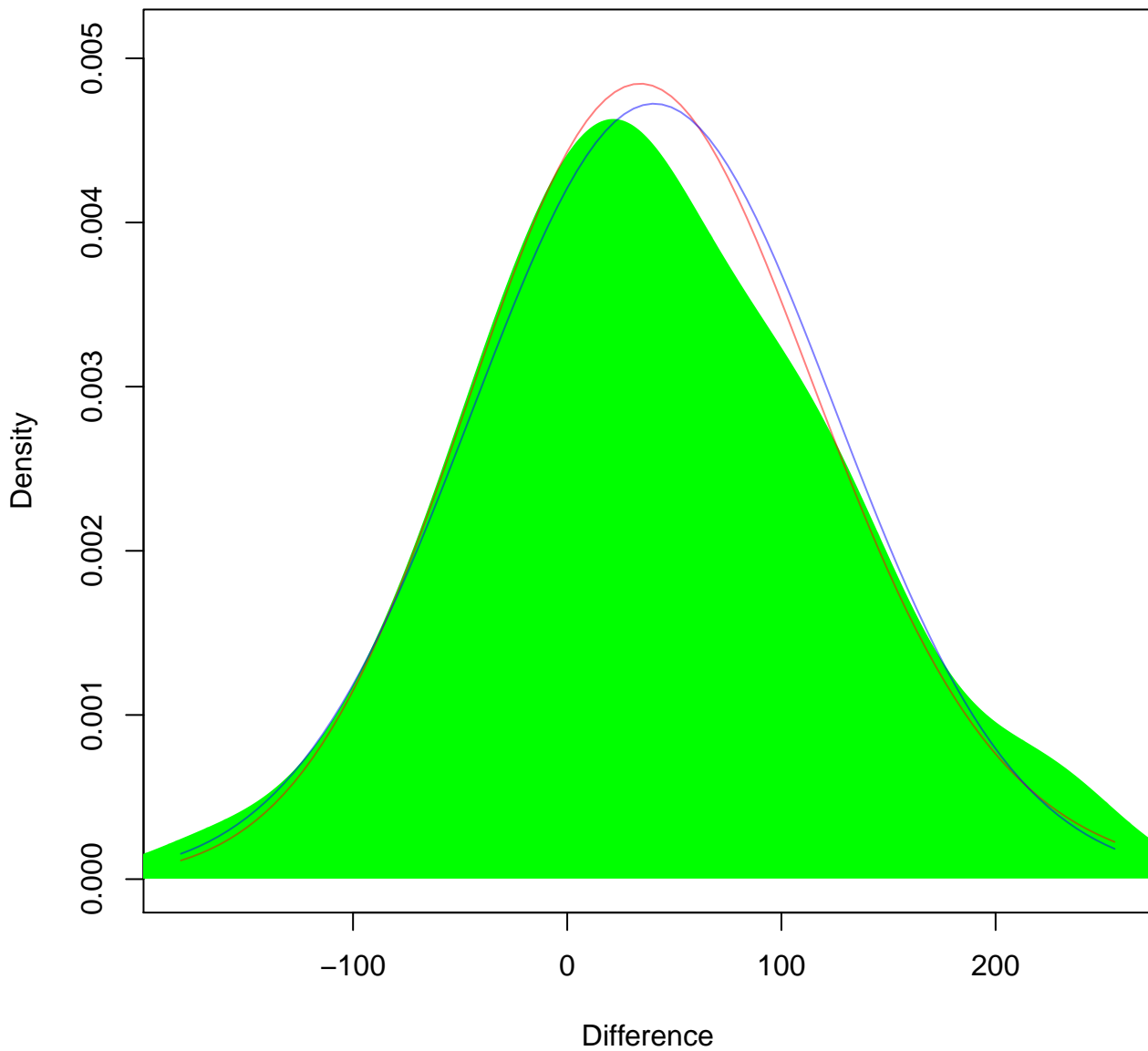
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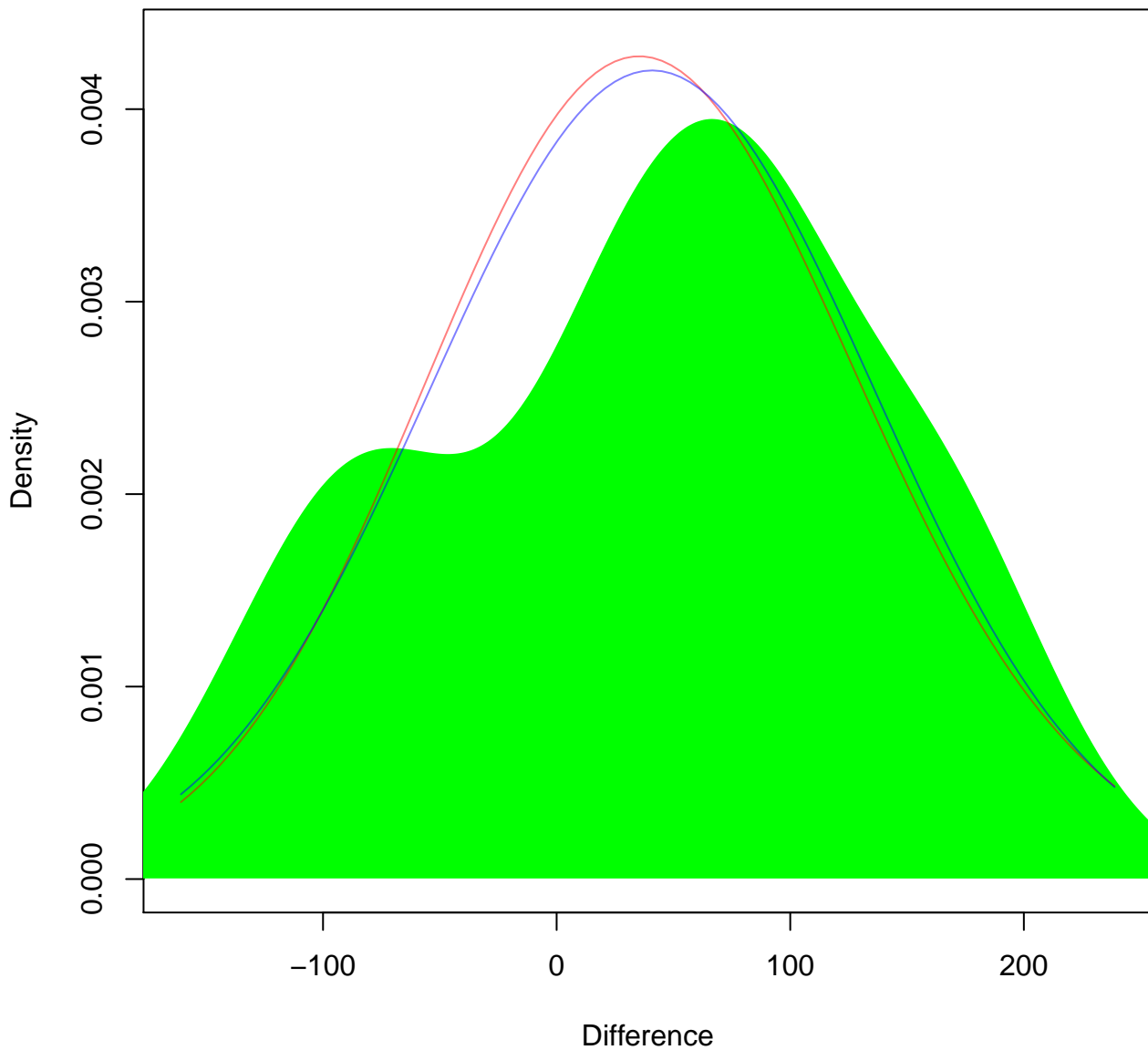
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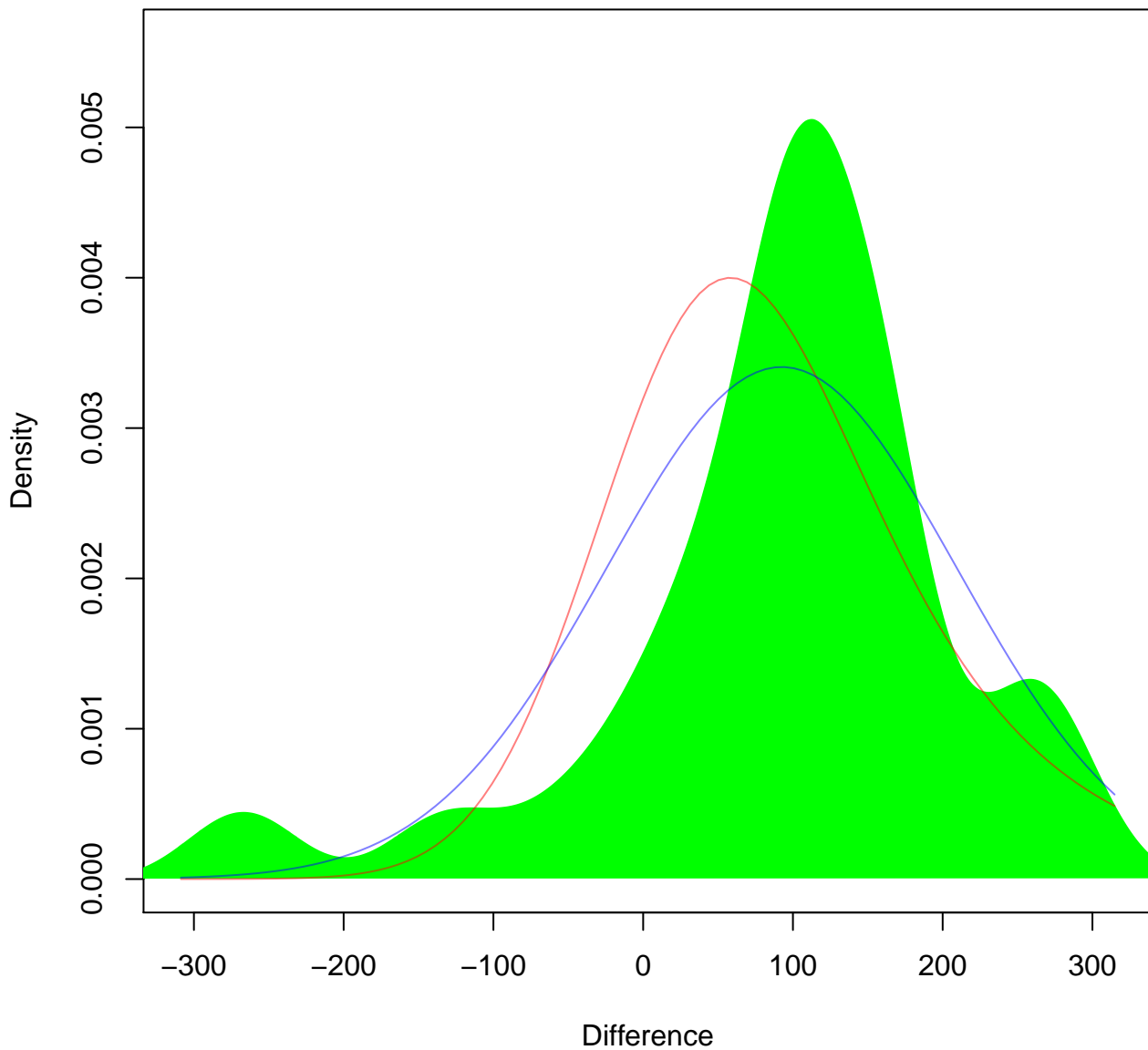
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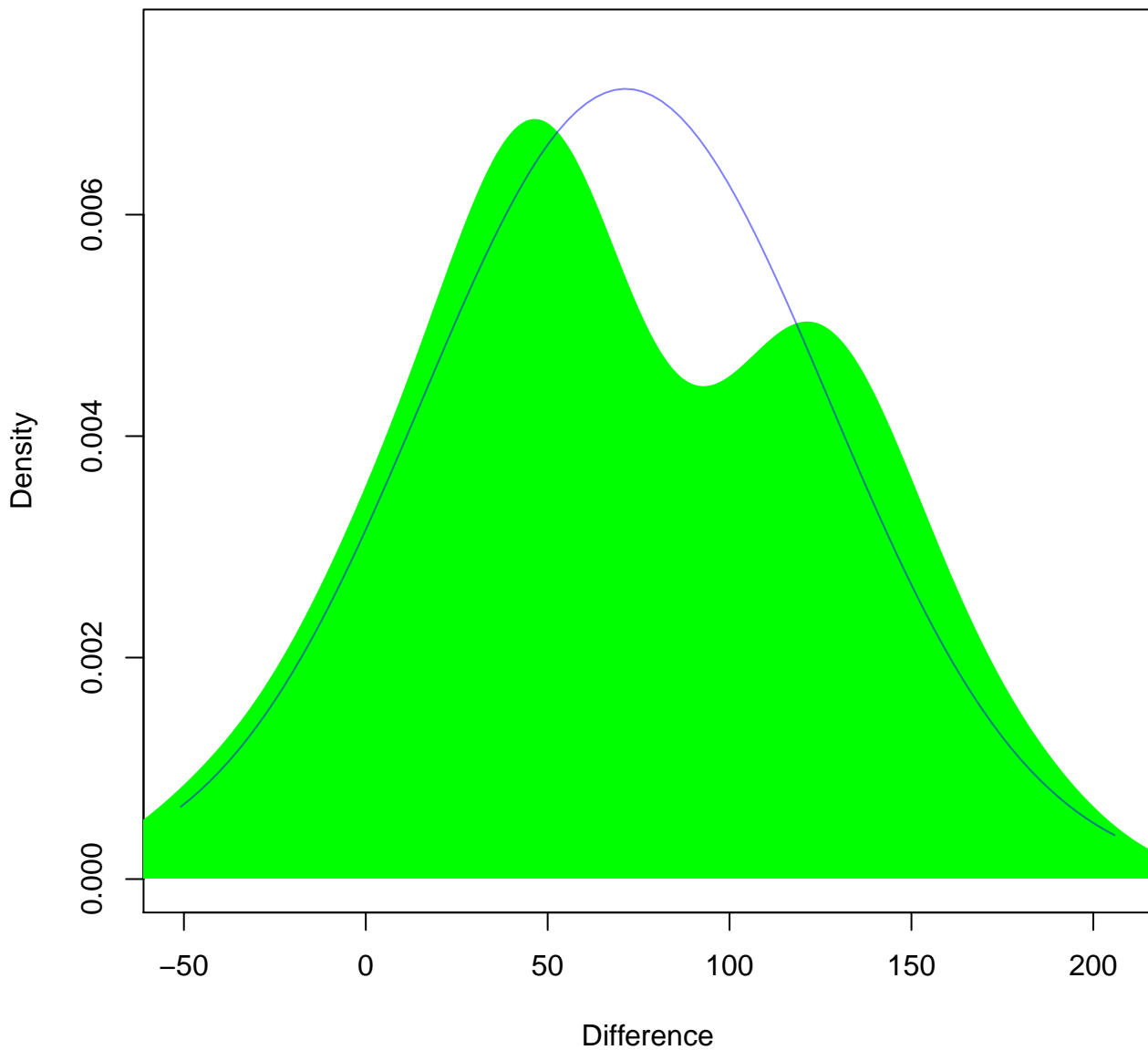
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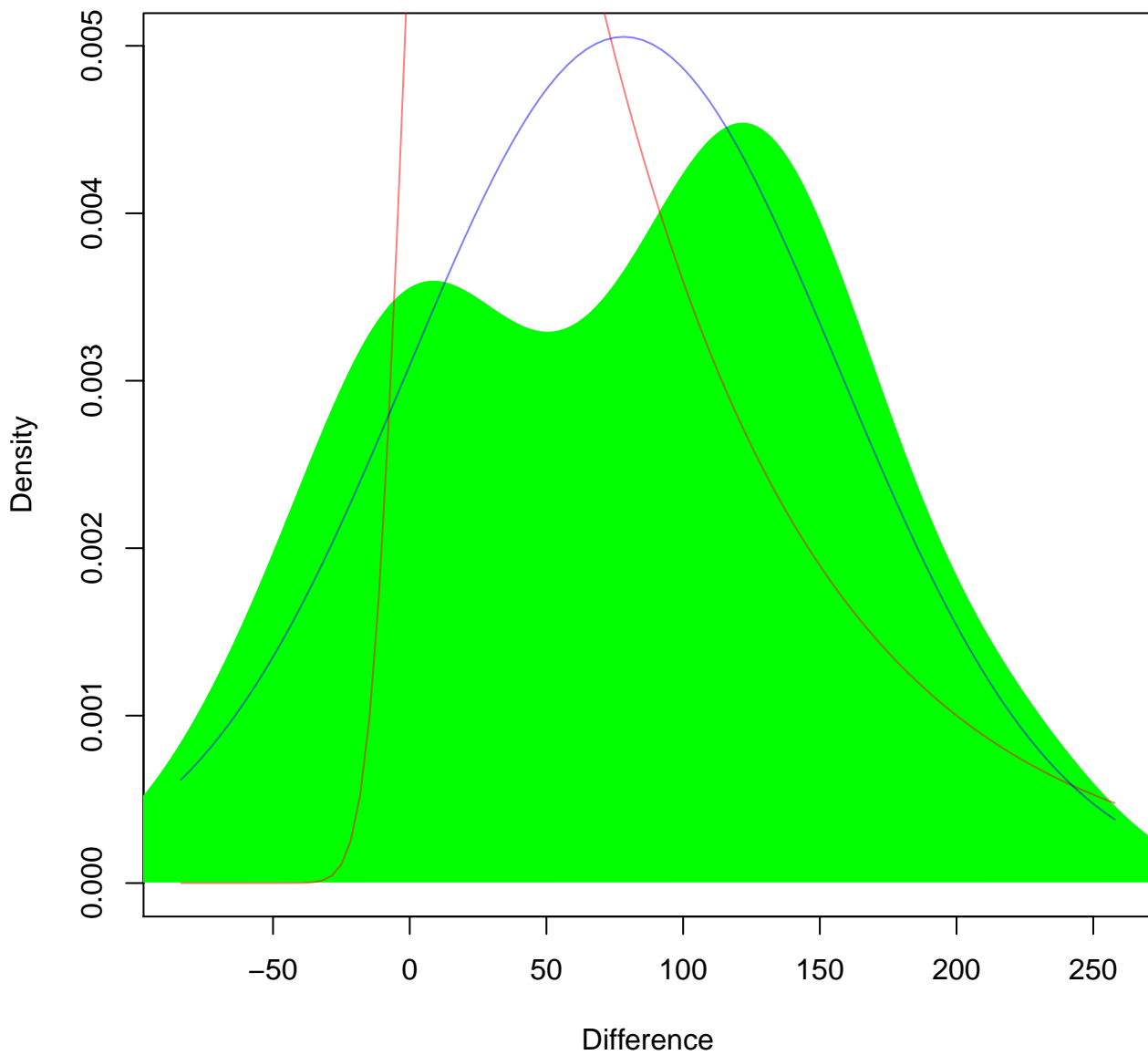
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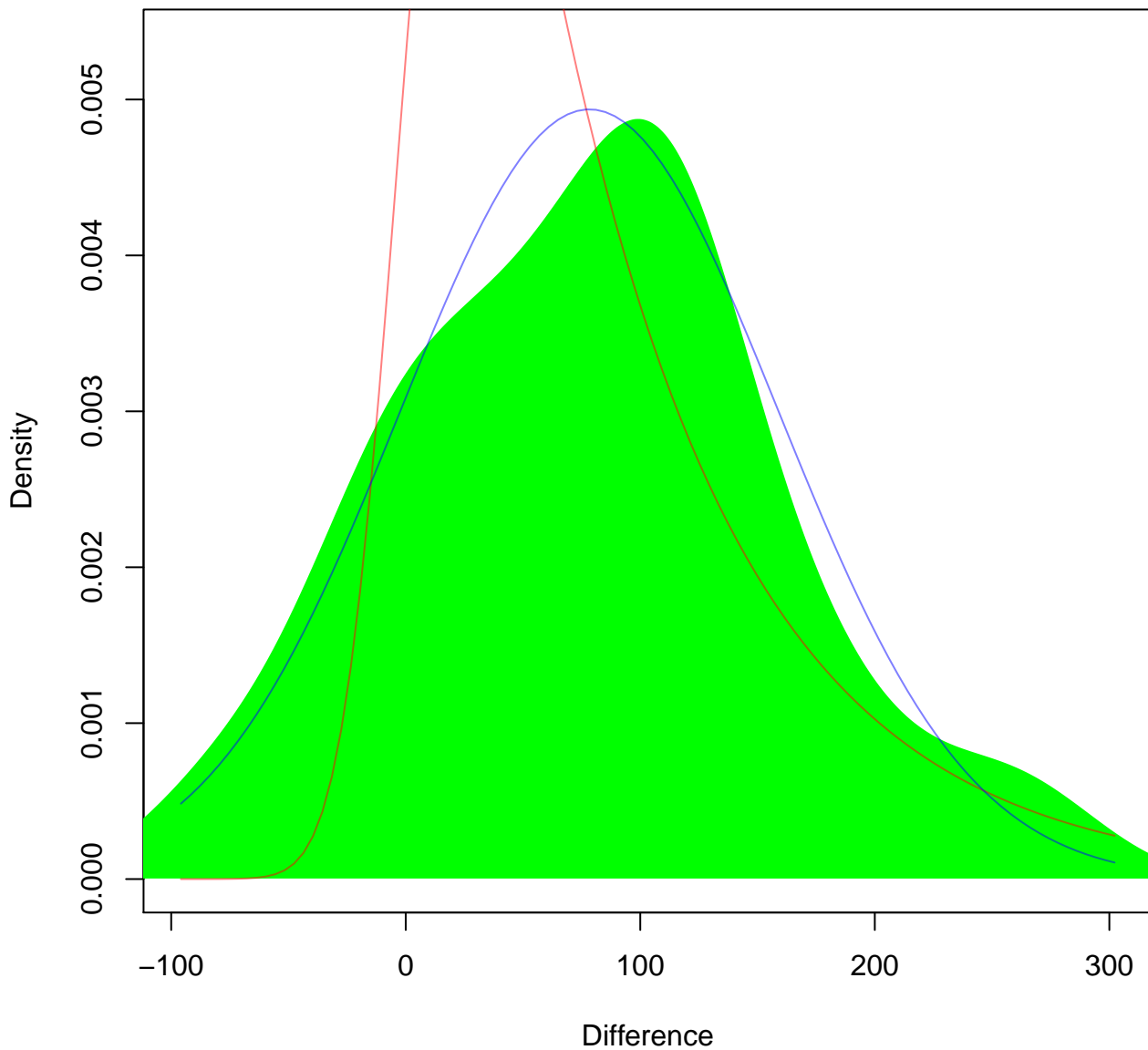
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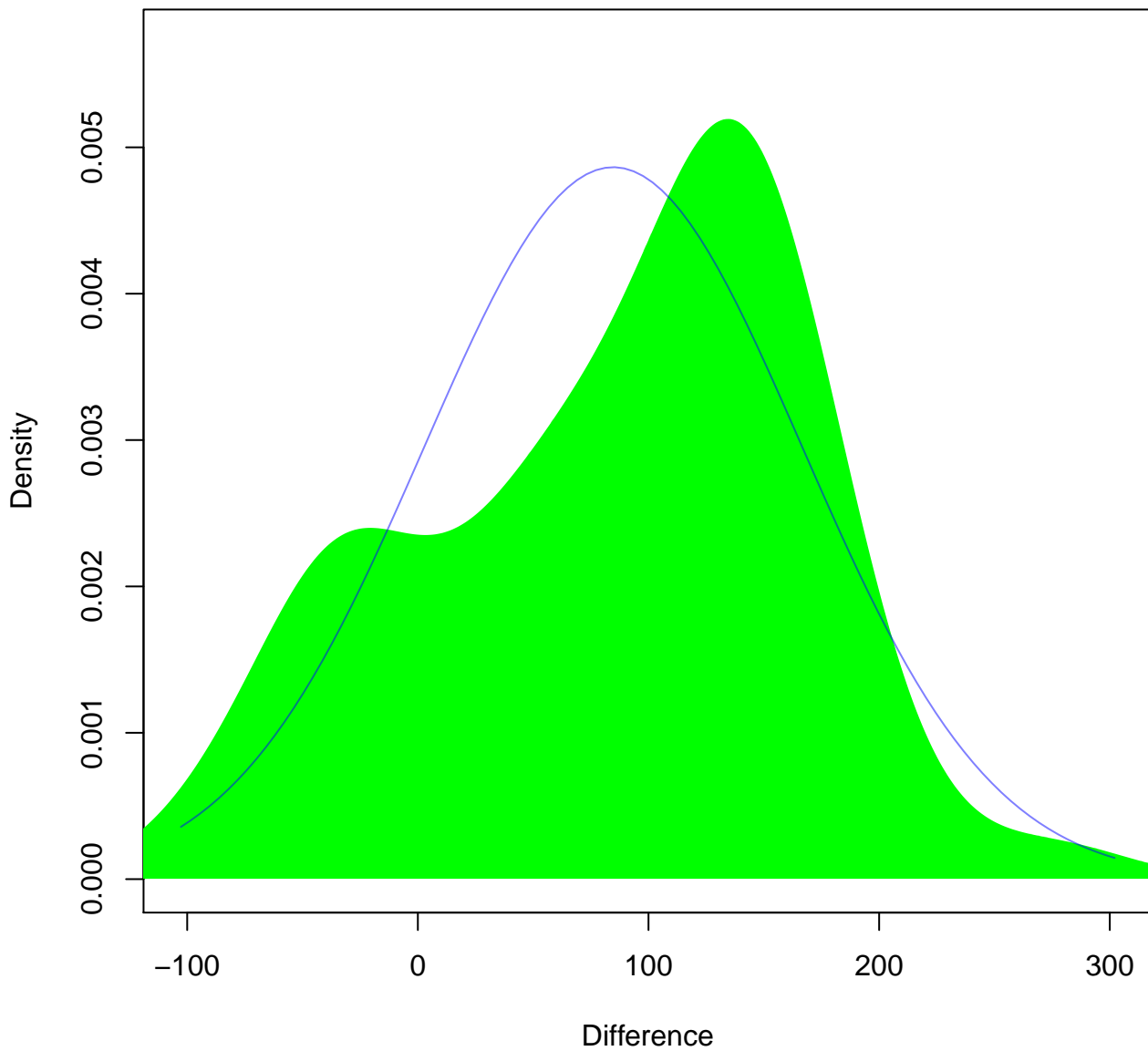
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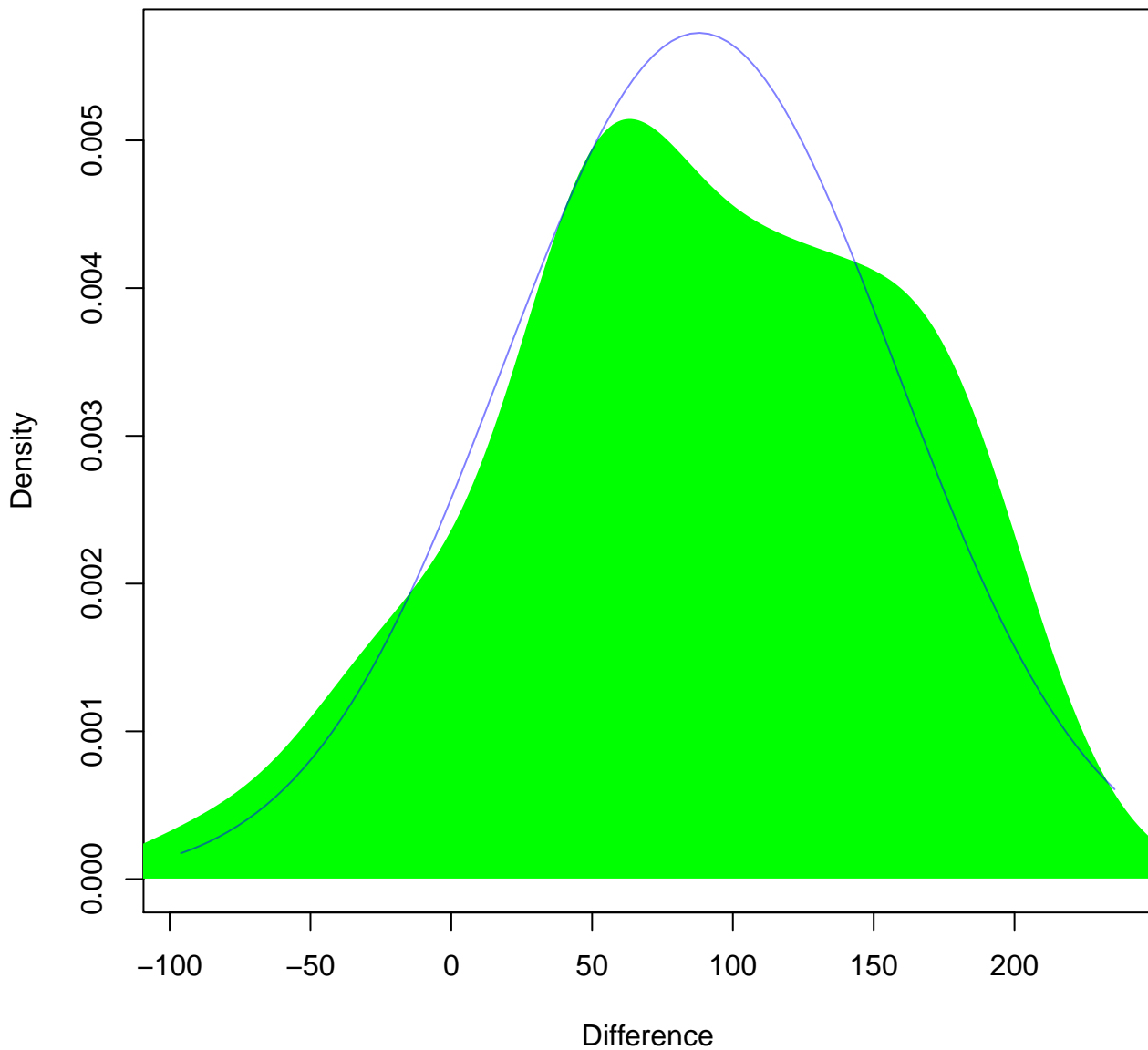
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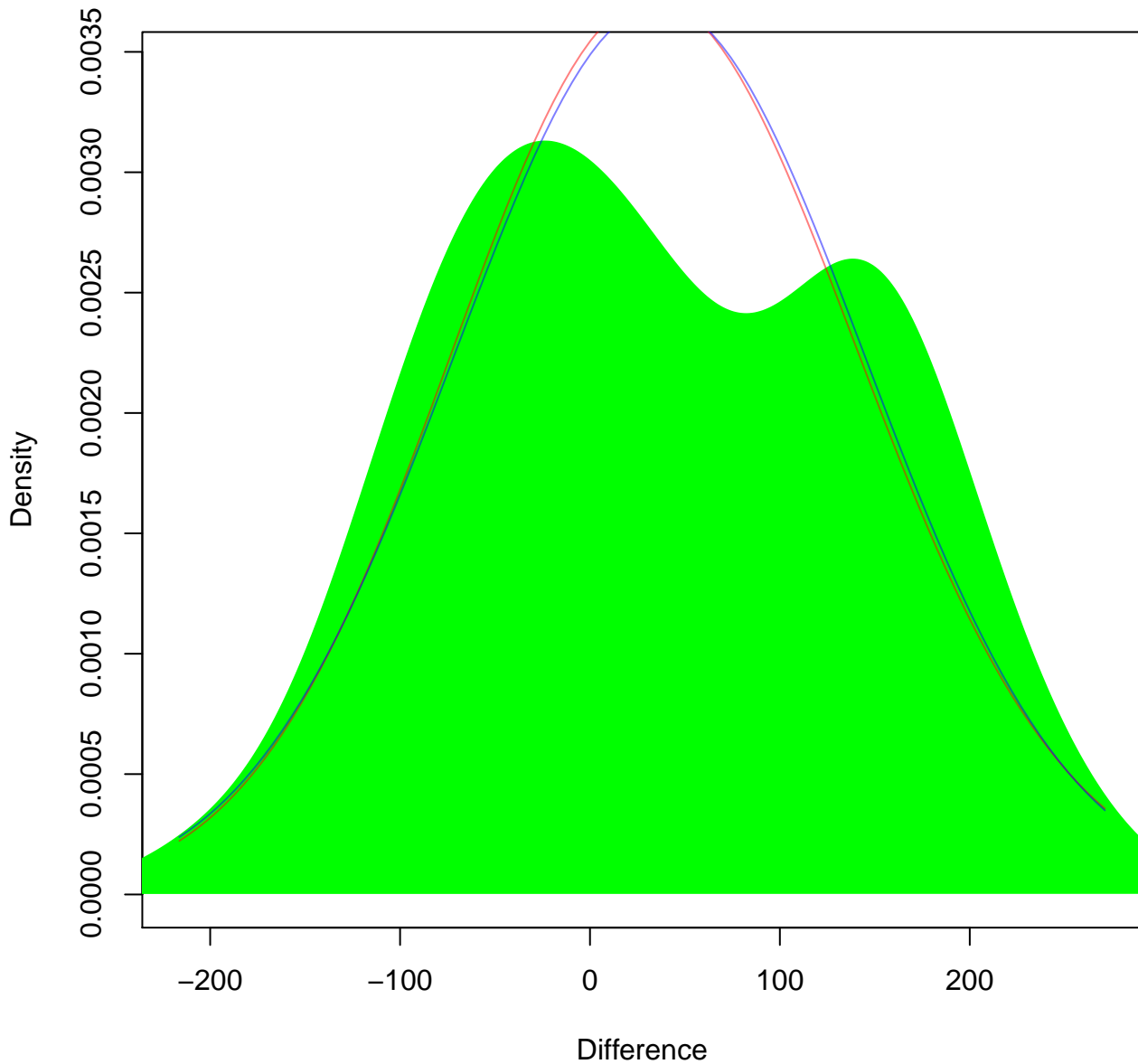
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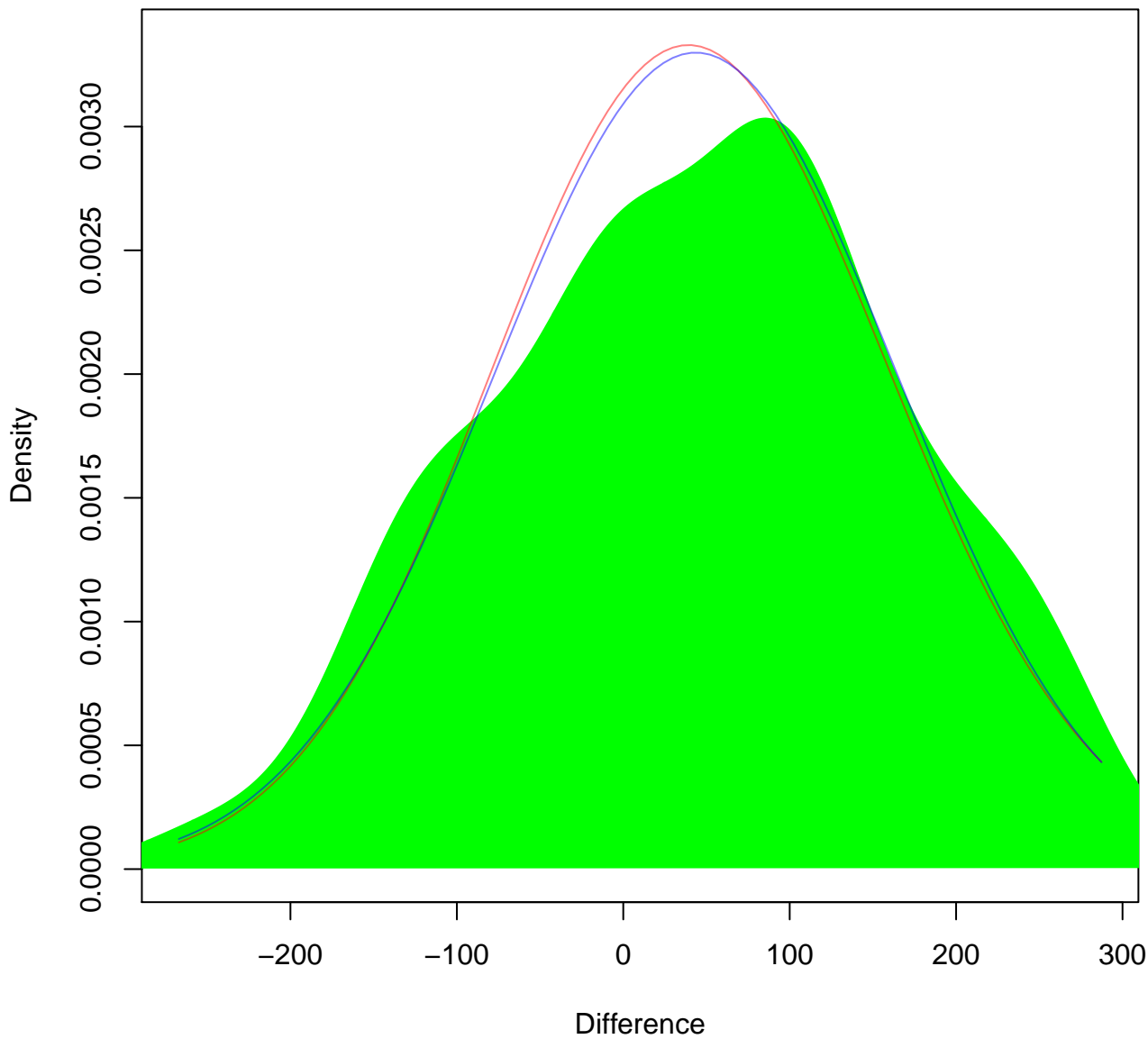
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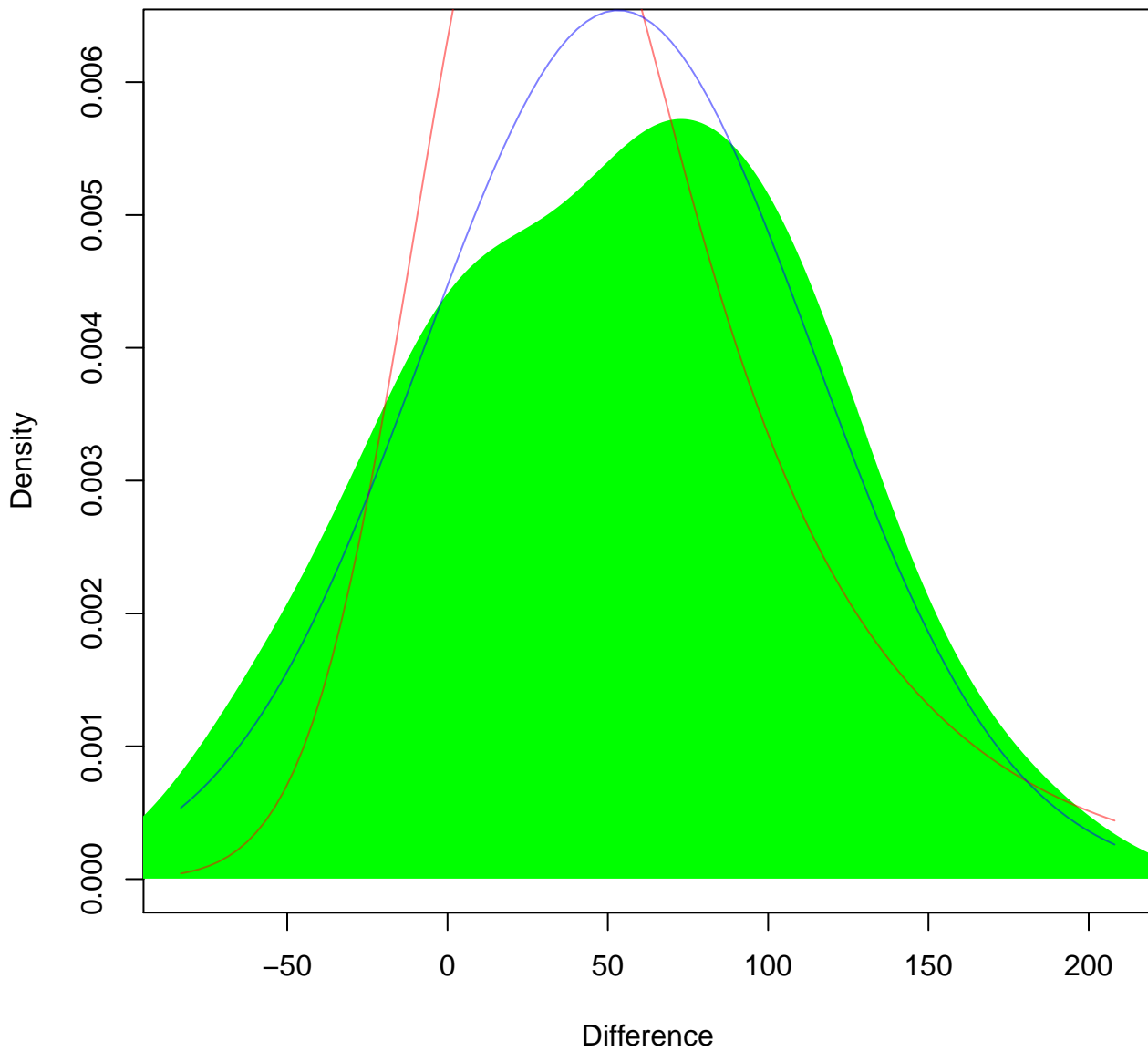
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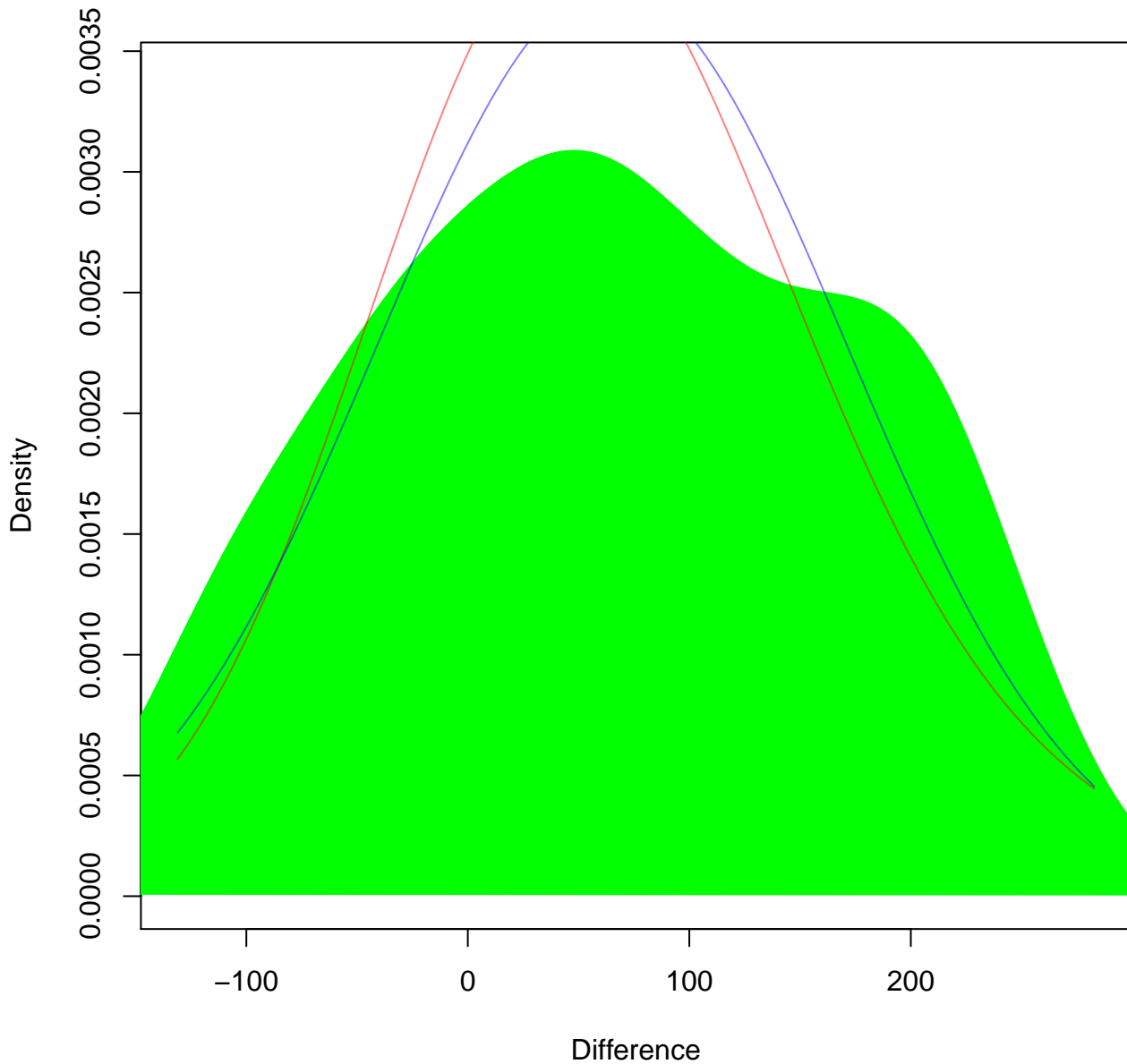
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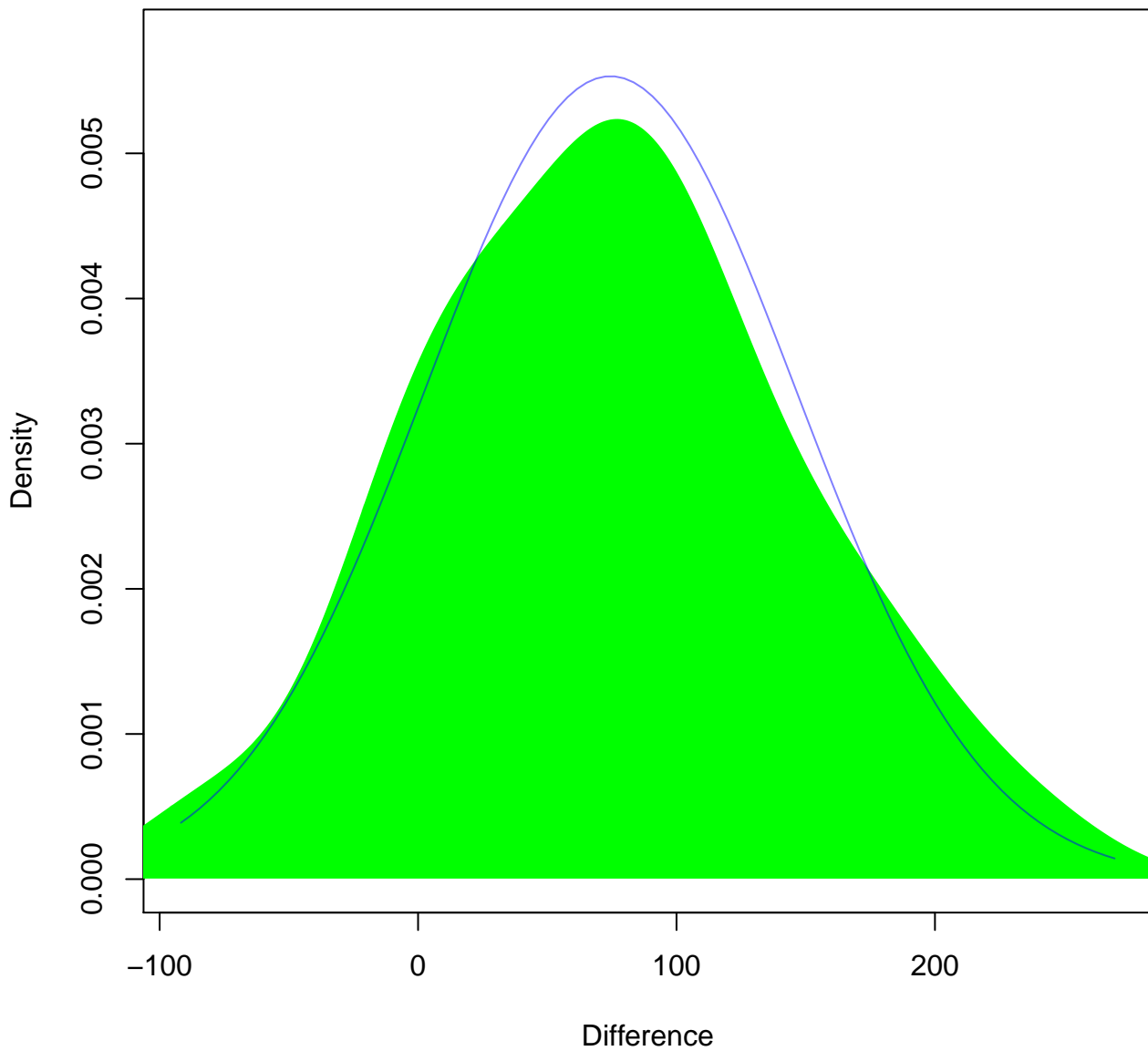
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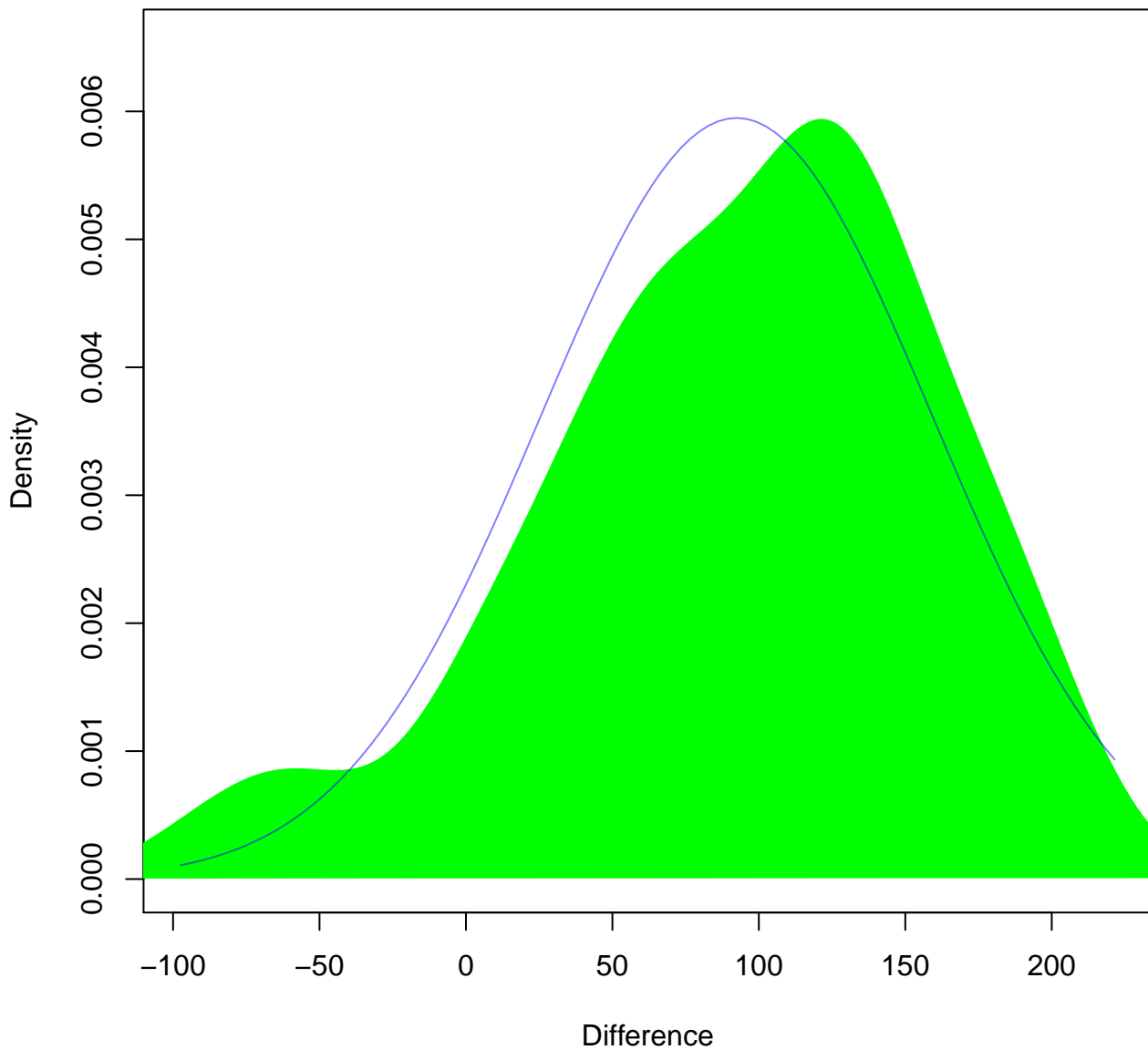
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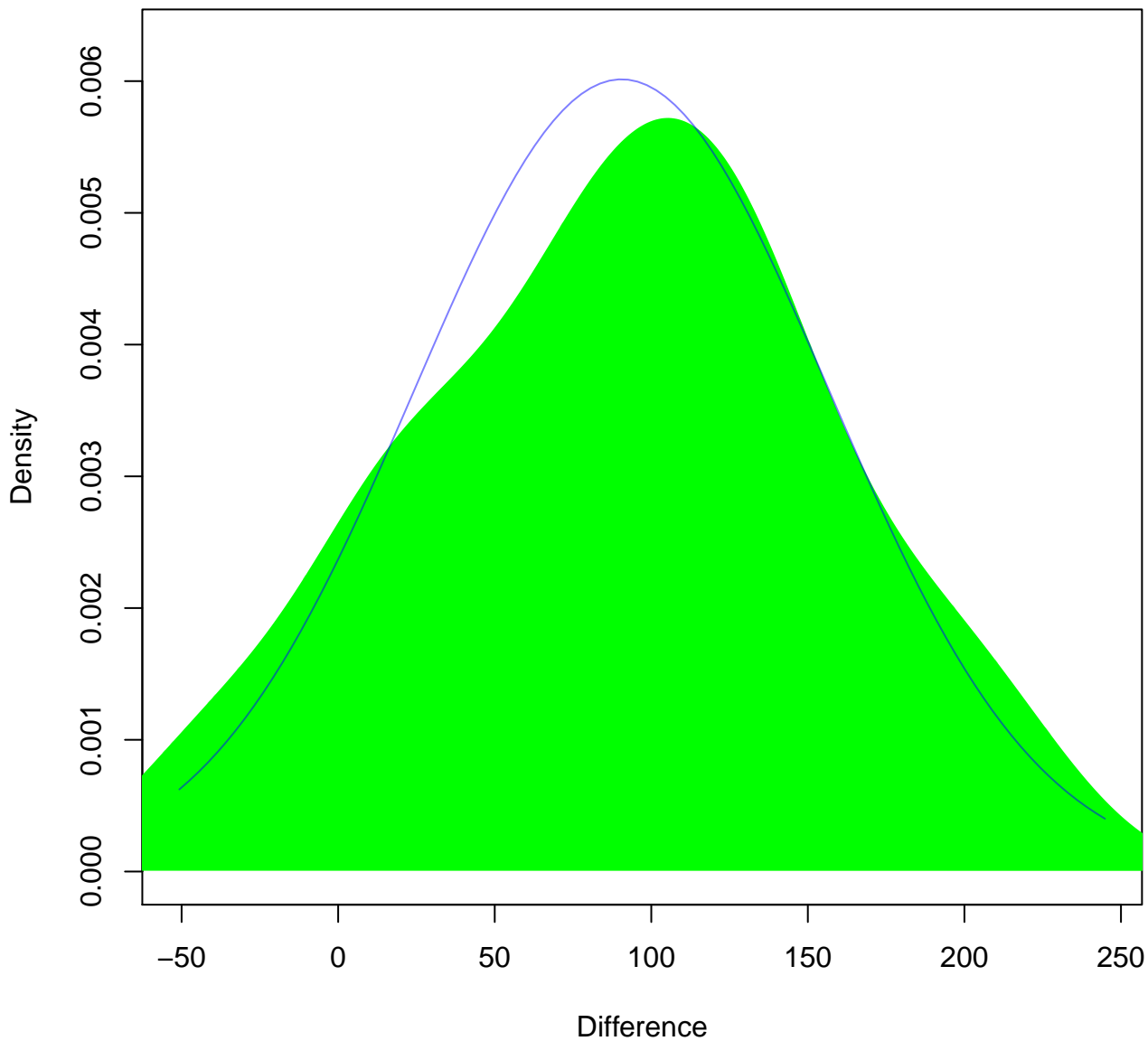
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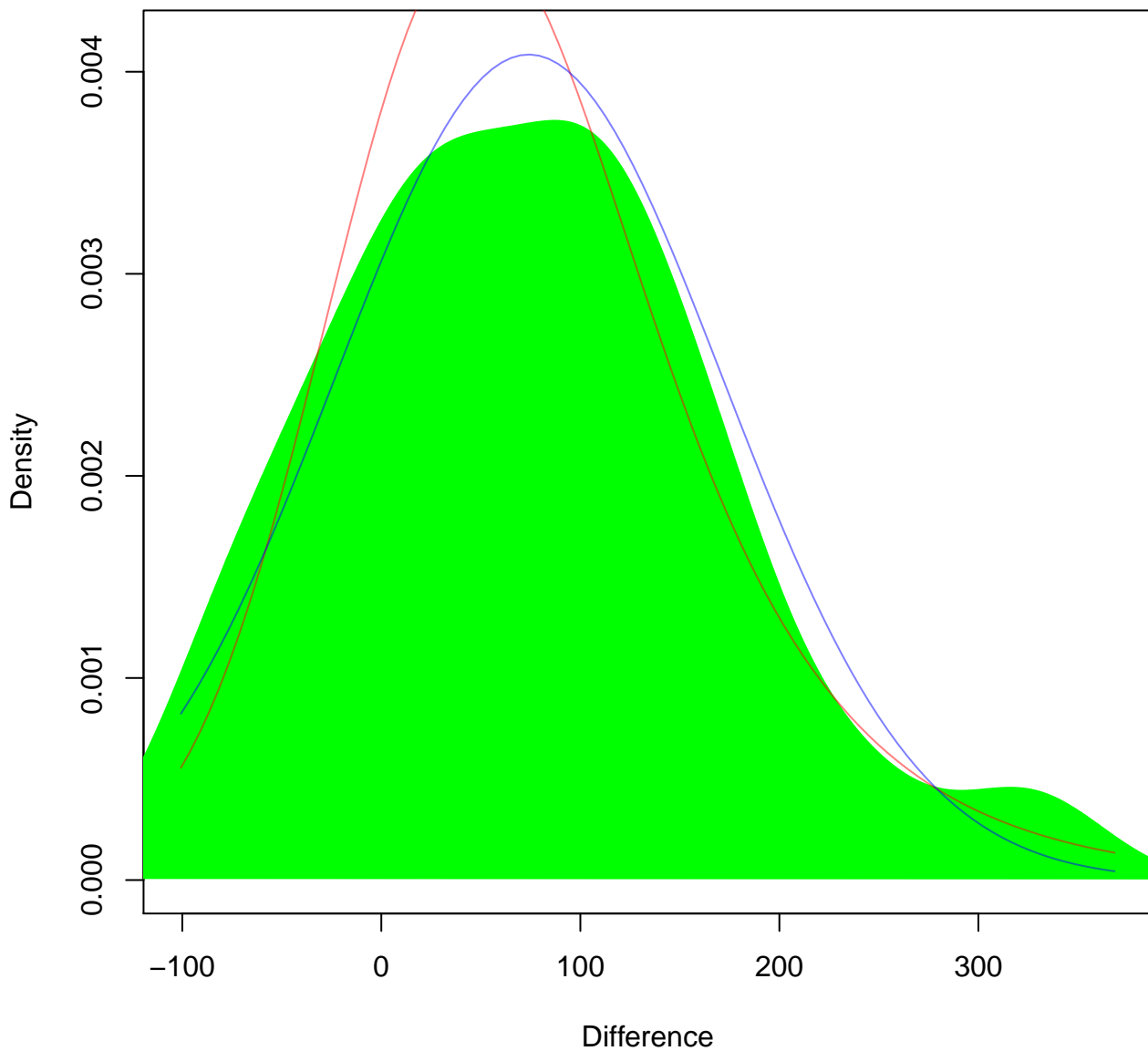
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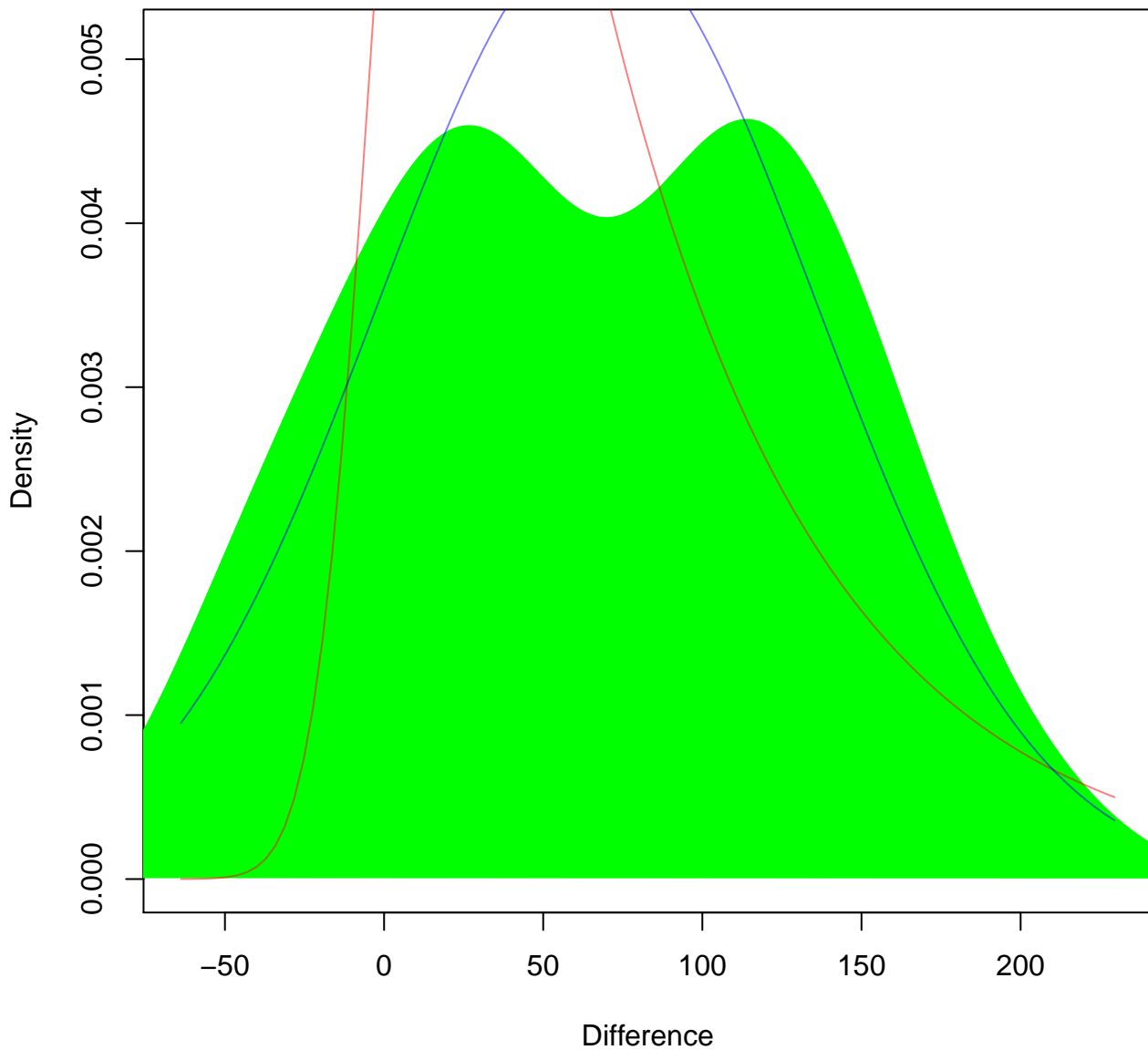
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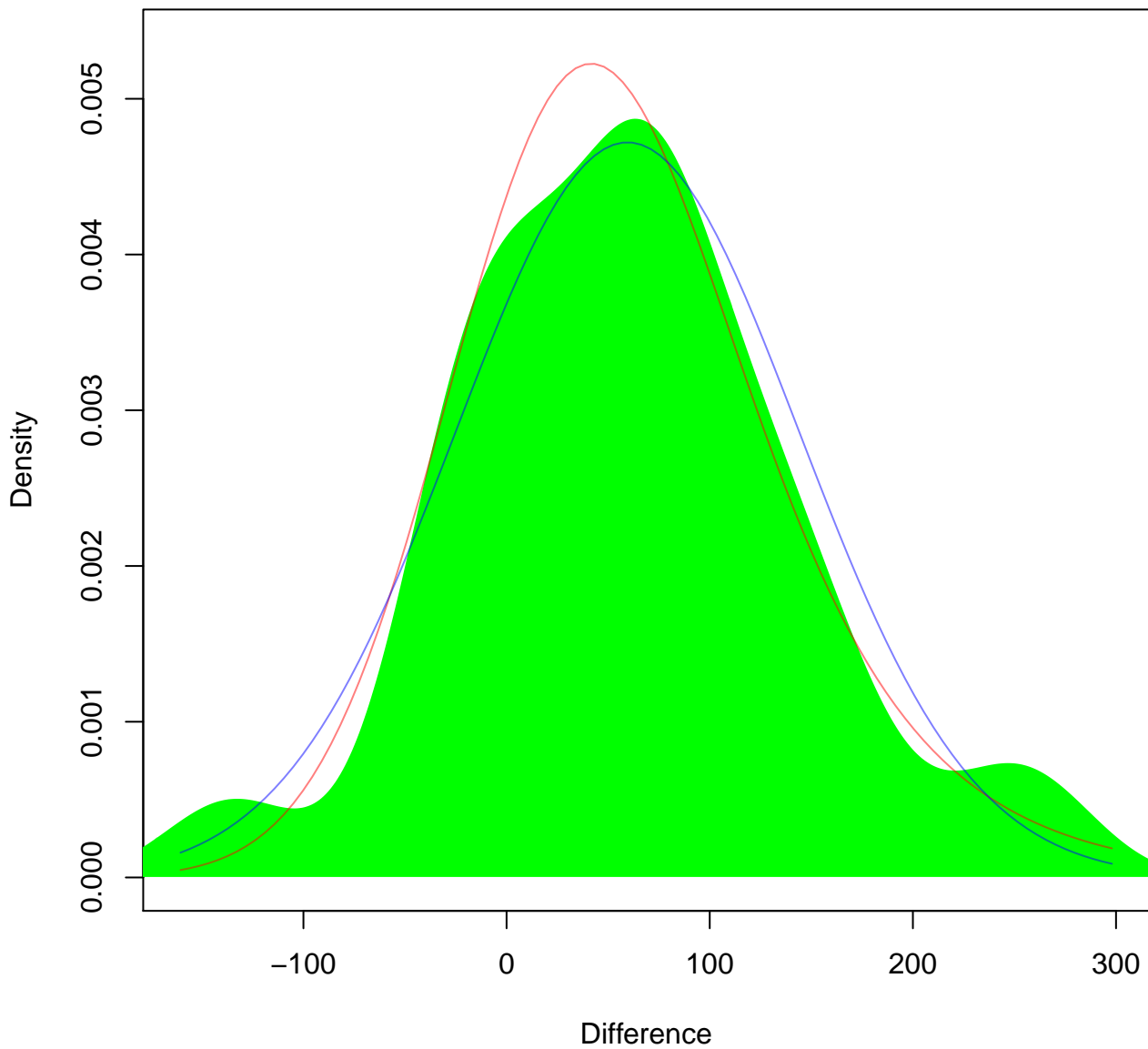
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8



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Overall

