

Exact binomial test

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

number of successes = 1784, number of trials = 2500, p-value < 2.2e-16

alternative hypothesis: true probability of success is greater than 0.5

95 percent confidence interval:

0.6983473 1.0000000

sample estimates:

probability of success

0.7136

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
2990.0	3001.7	-1493.0	2986.0	2498

Scaled residuals:

Min	1Q	Median	3Q	Max
-1.8923	-1.4139	0.5886	0.6528	0.7502

Random effects:

Groups	Name	Variance	Std.Dev.
	Patient (Intercept)	0.07072	0.2659

Number of obs: 2500, groups: Patient, 50

Fixed effects:

	Estimate	Std. Error	z value	Pr(> z)
(Intercept)	0.92799	0.05866	15.82	<2e-16 ***

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

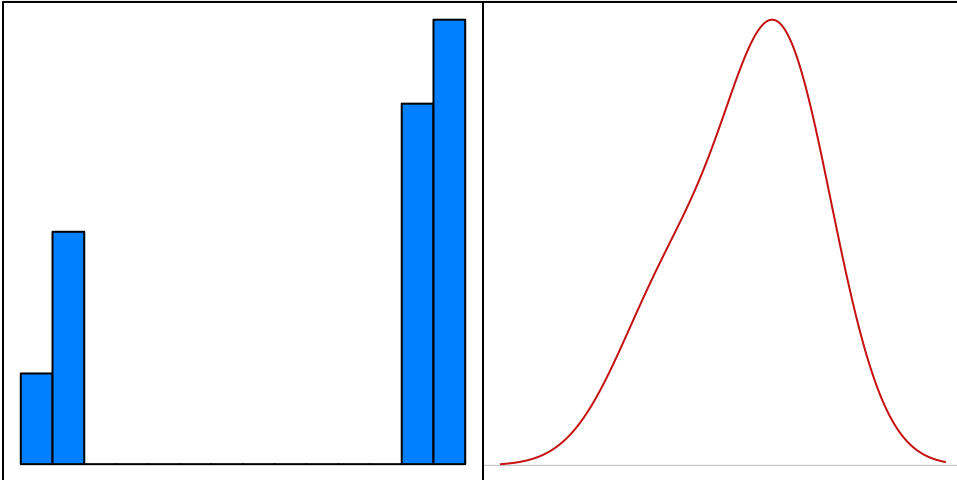
[1] "AIC: 2990.03051601946 null AIC: 2996.48375391046"

[2] "p-value: 0.0146016762458238"

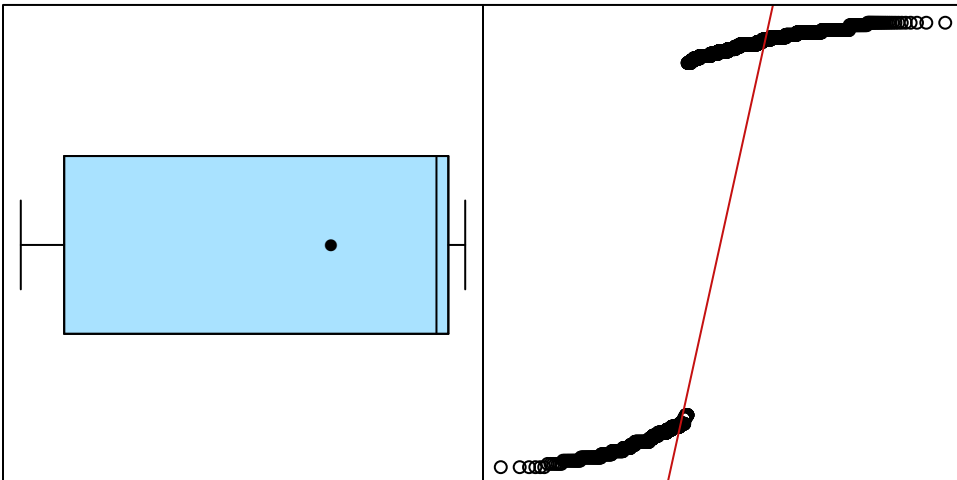
[3] "mean: 0.716666870309521 (0.692749583845669, 0.739422676215826)"

EXPLORATORY DATA ANALYSIS

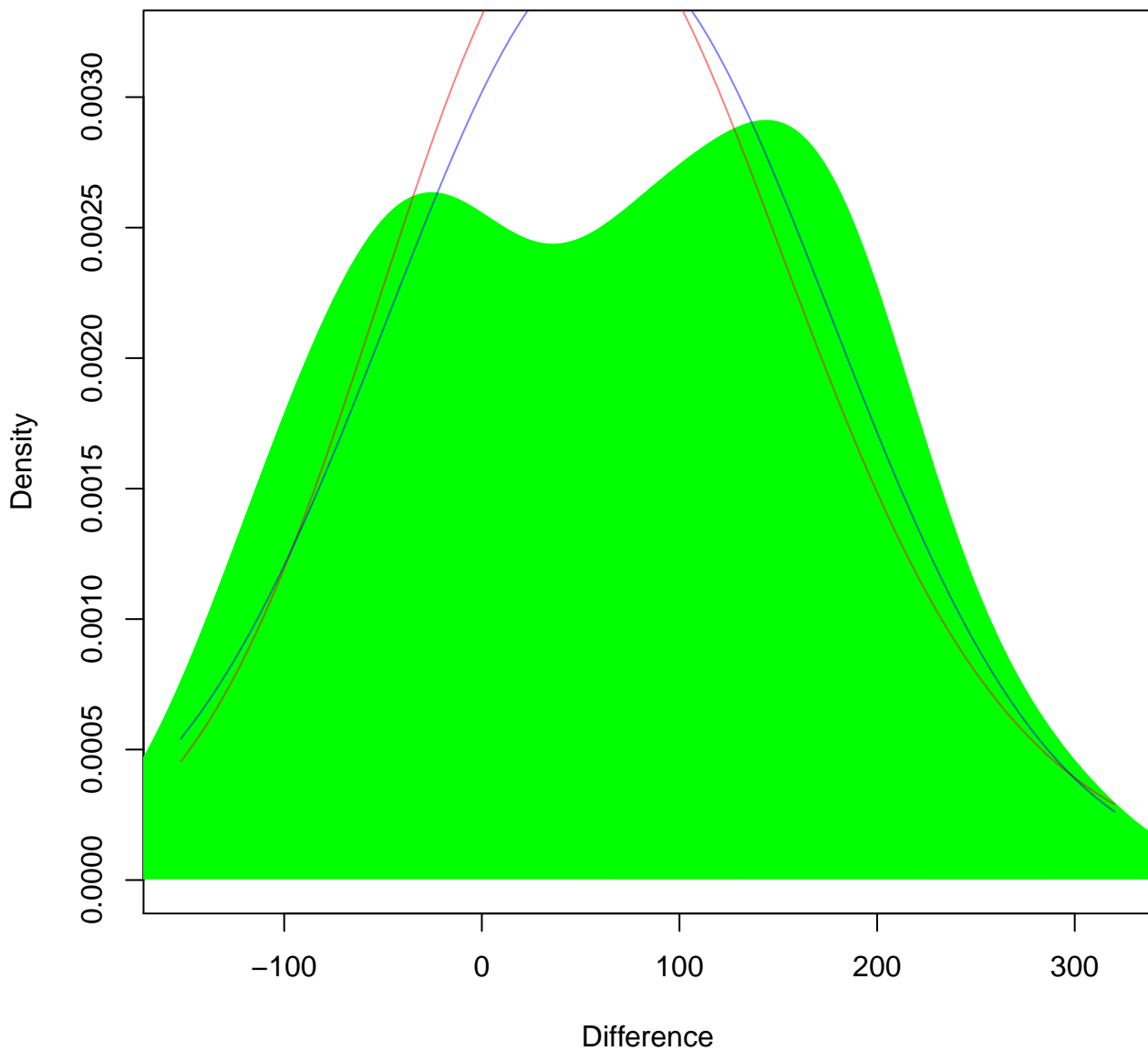
histogram of resid(bin.glme.test) Density of resid(bin.glme.test)



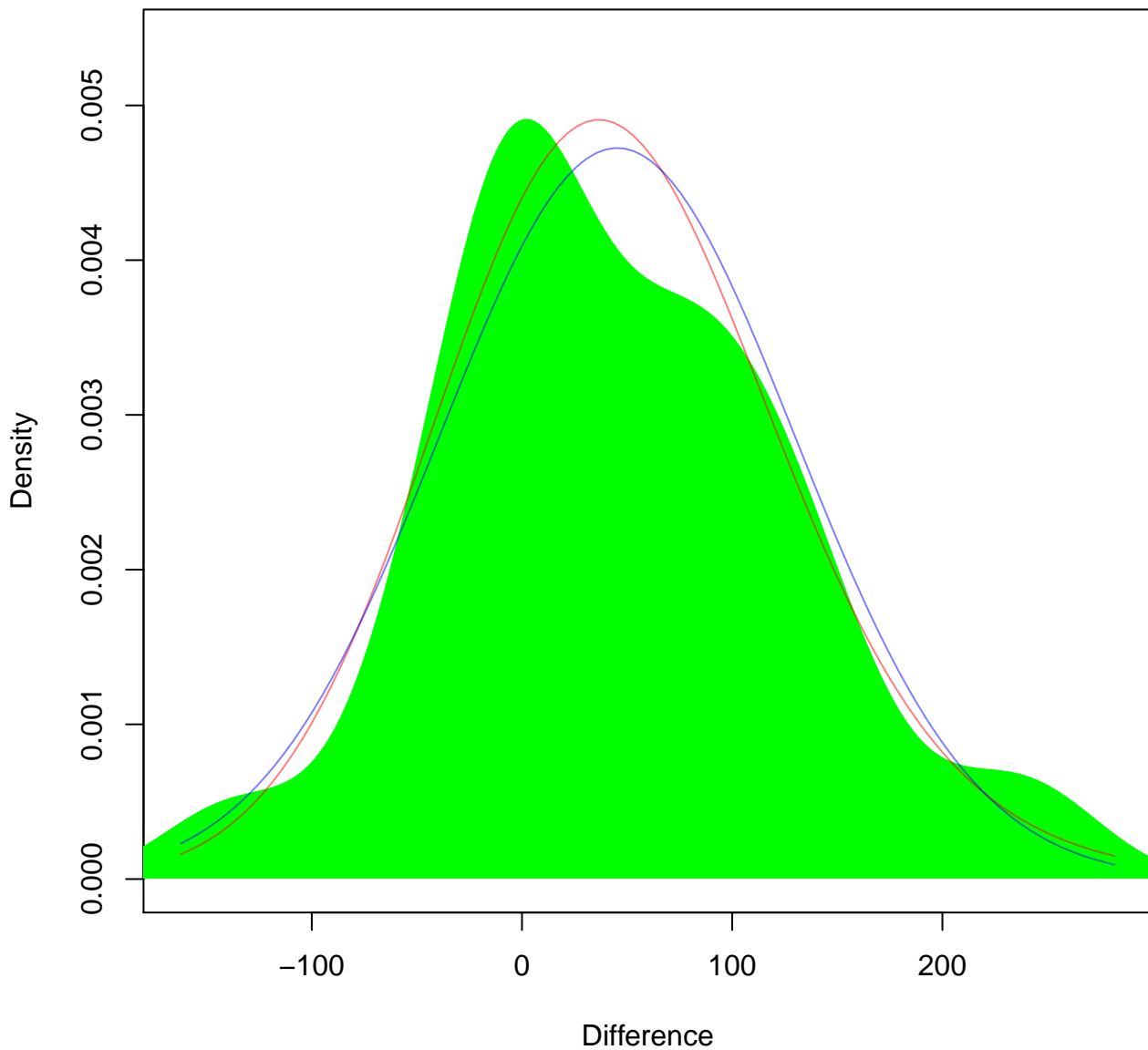
Boxplot of resid(bin.glme.test) Q-Q Plot of resid(bin.glme.test)



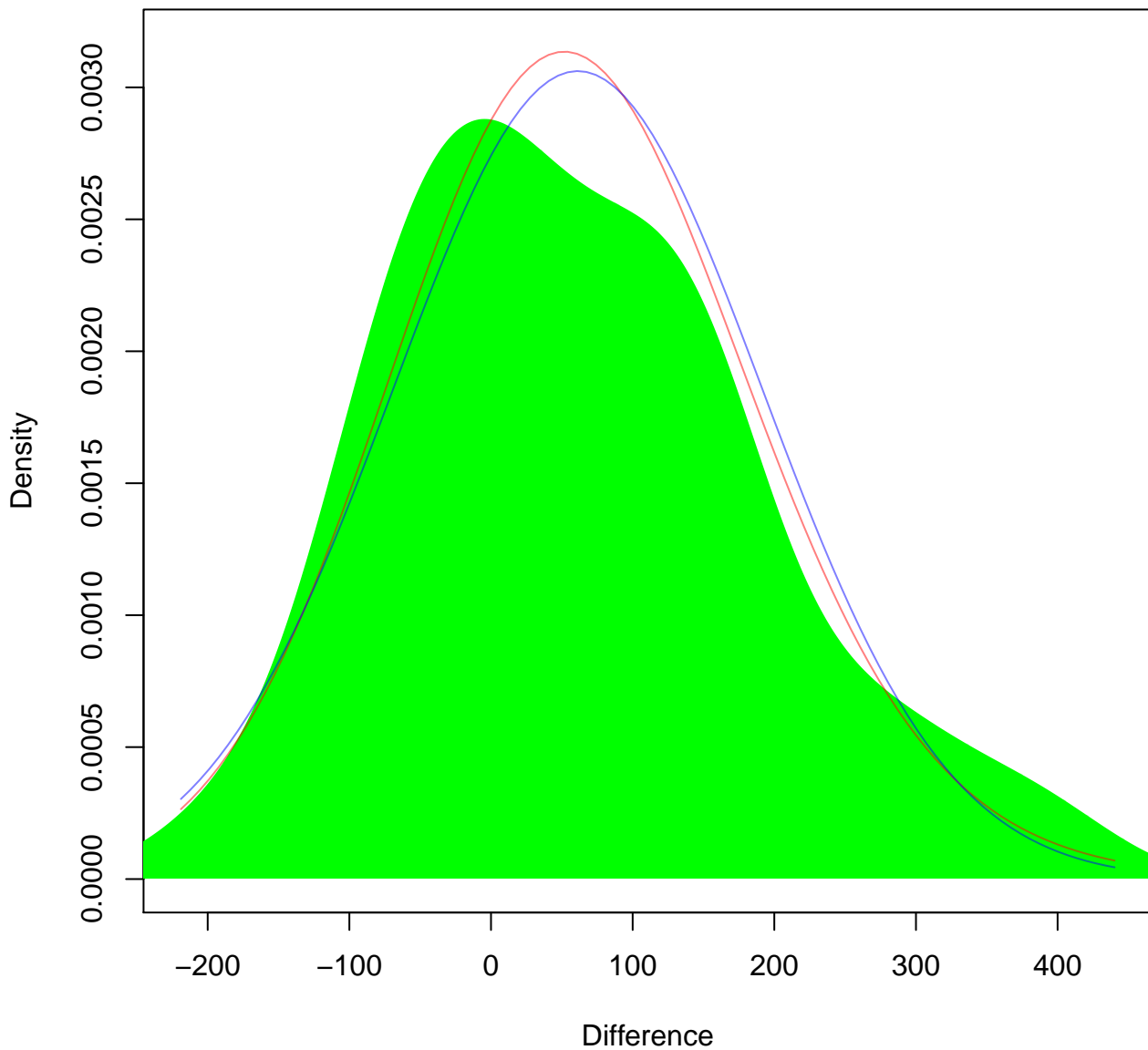
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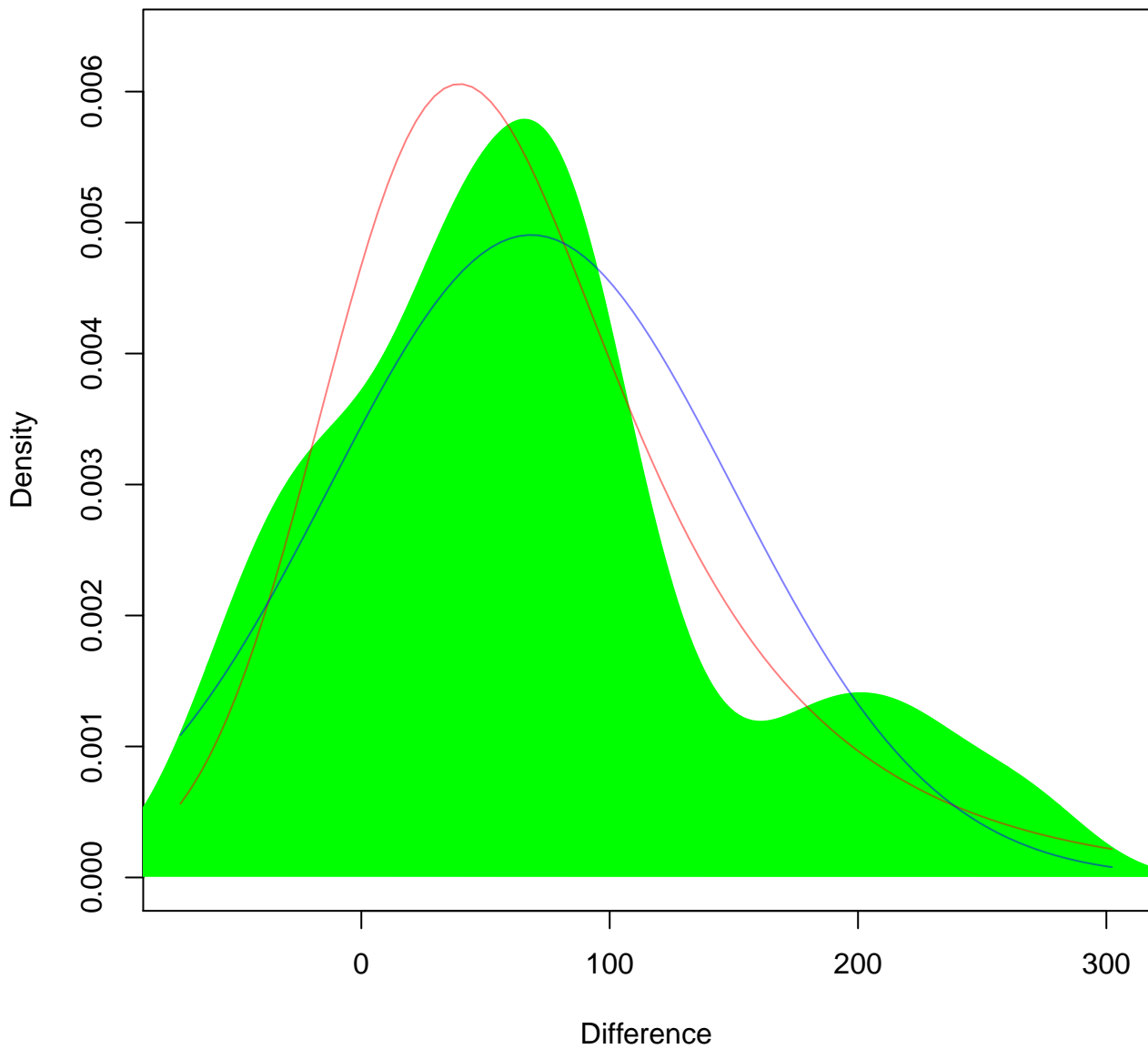
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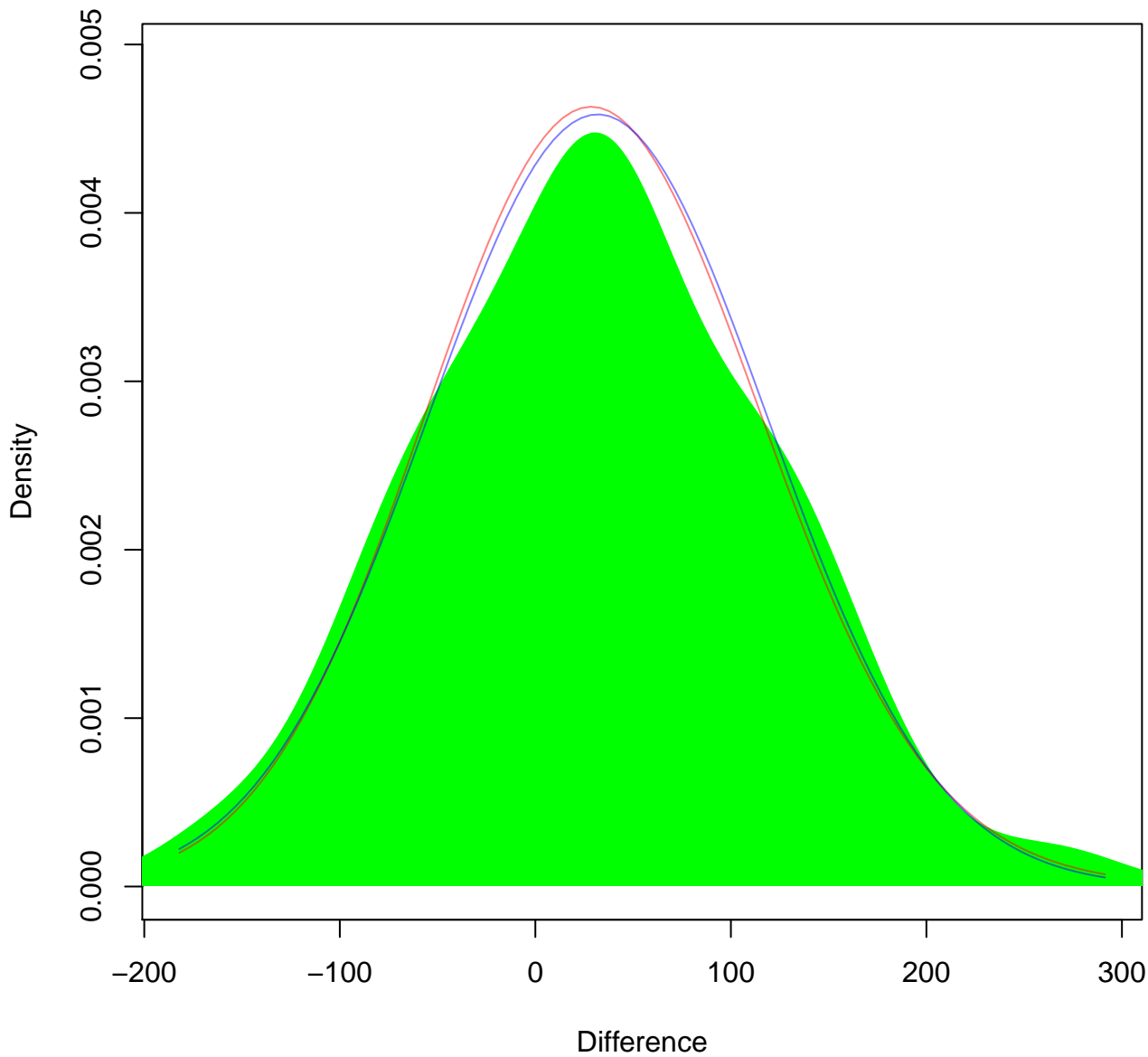
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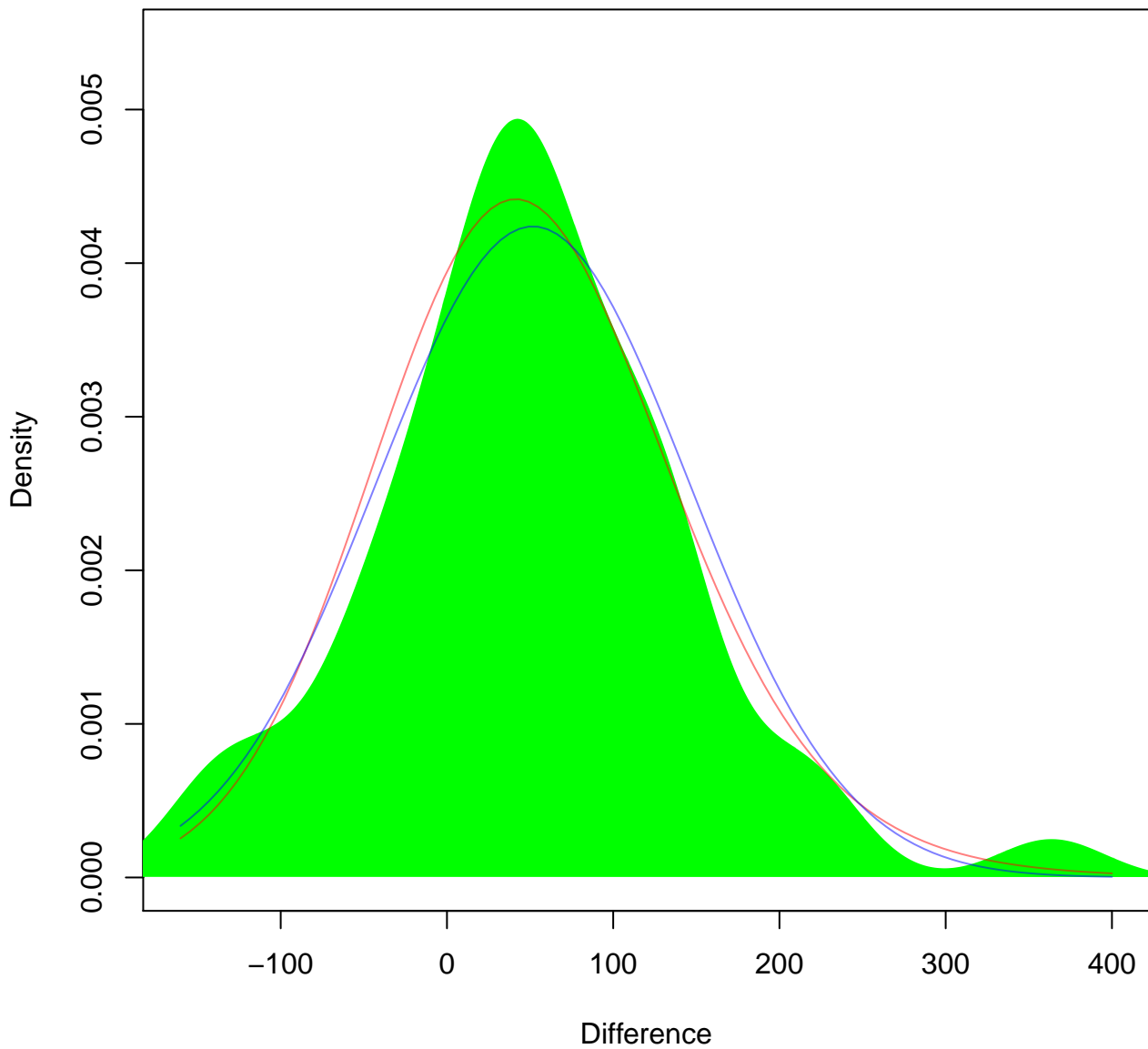
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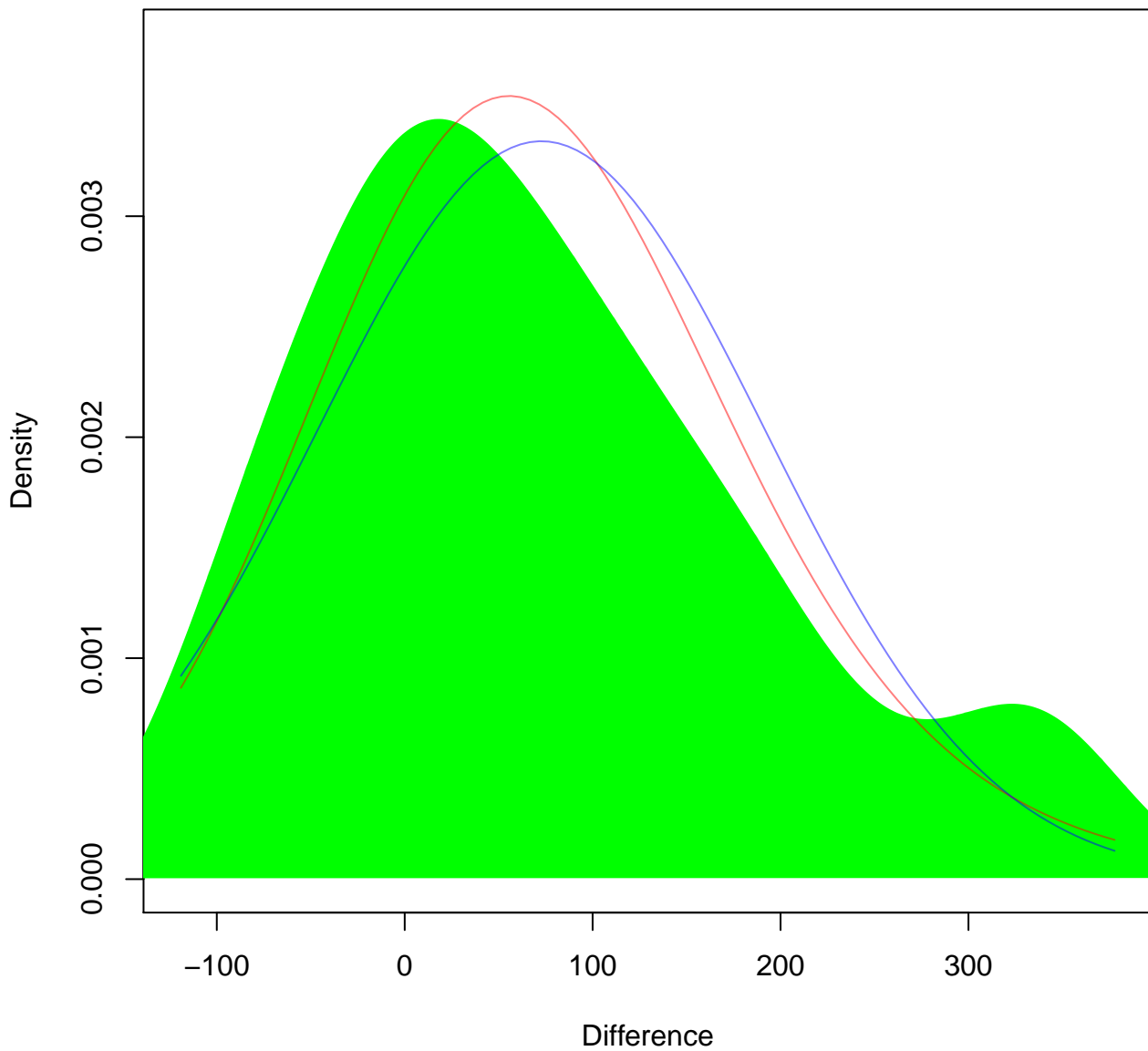
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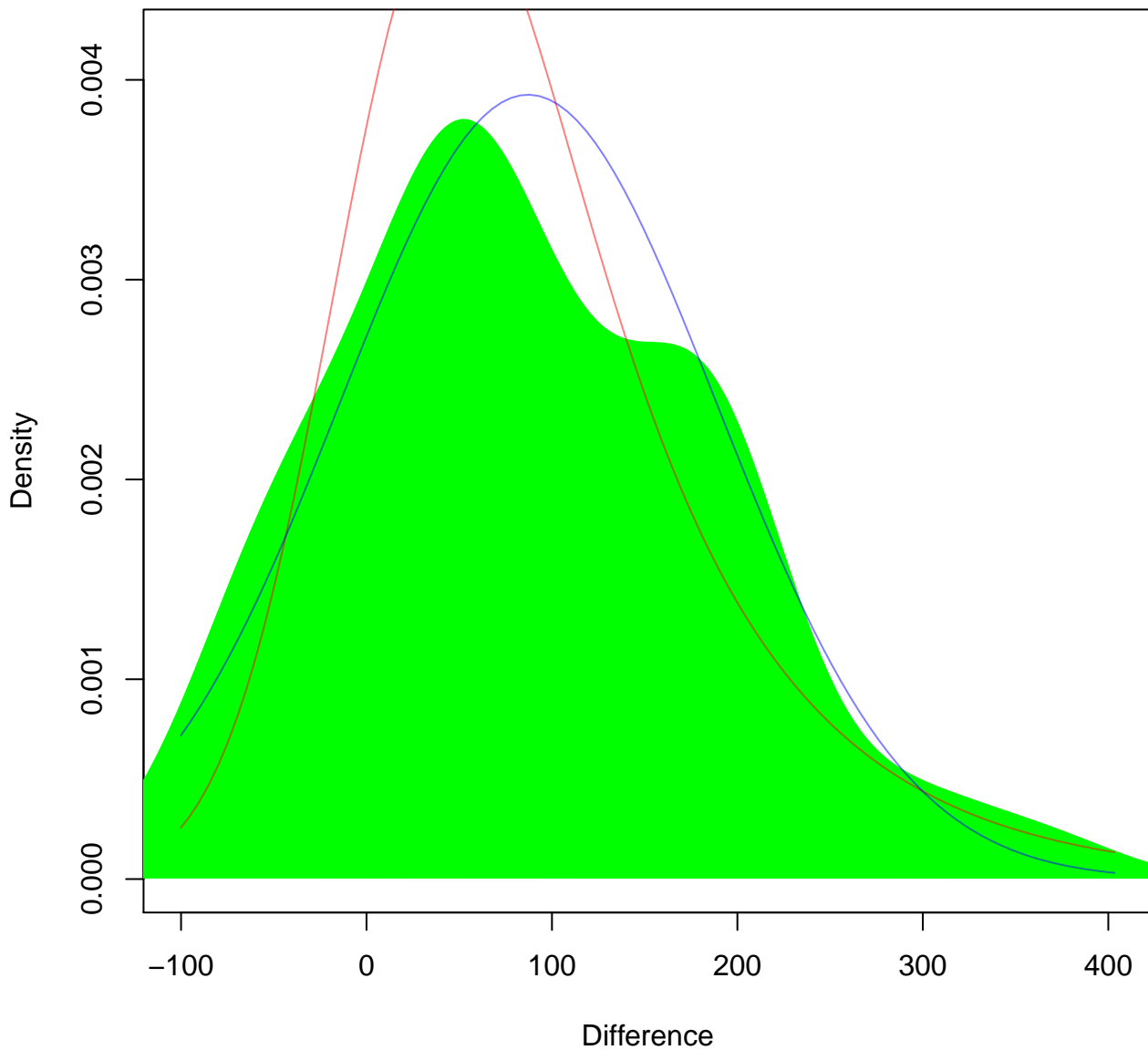
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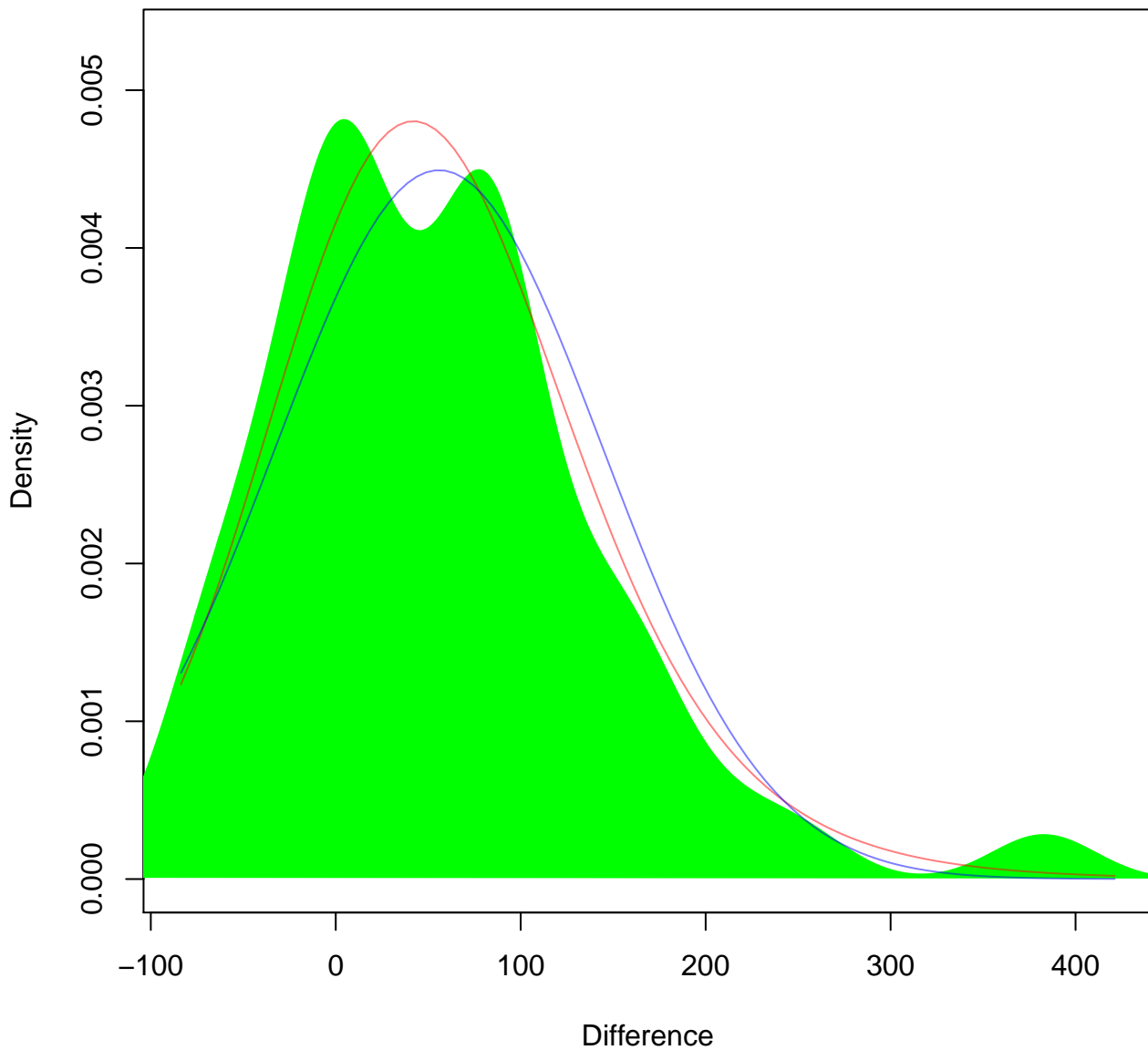


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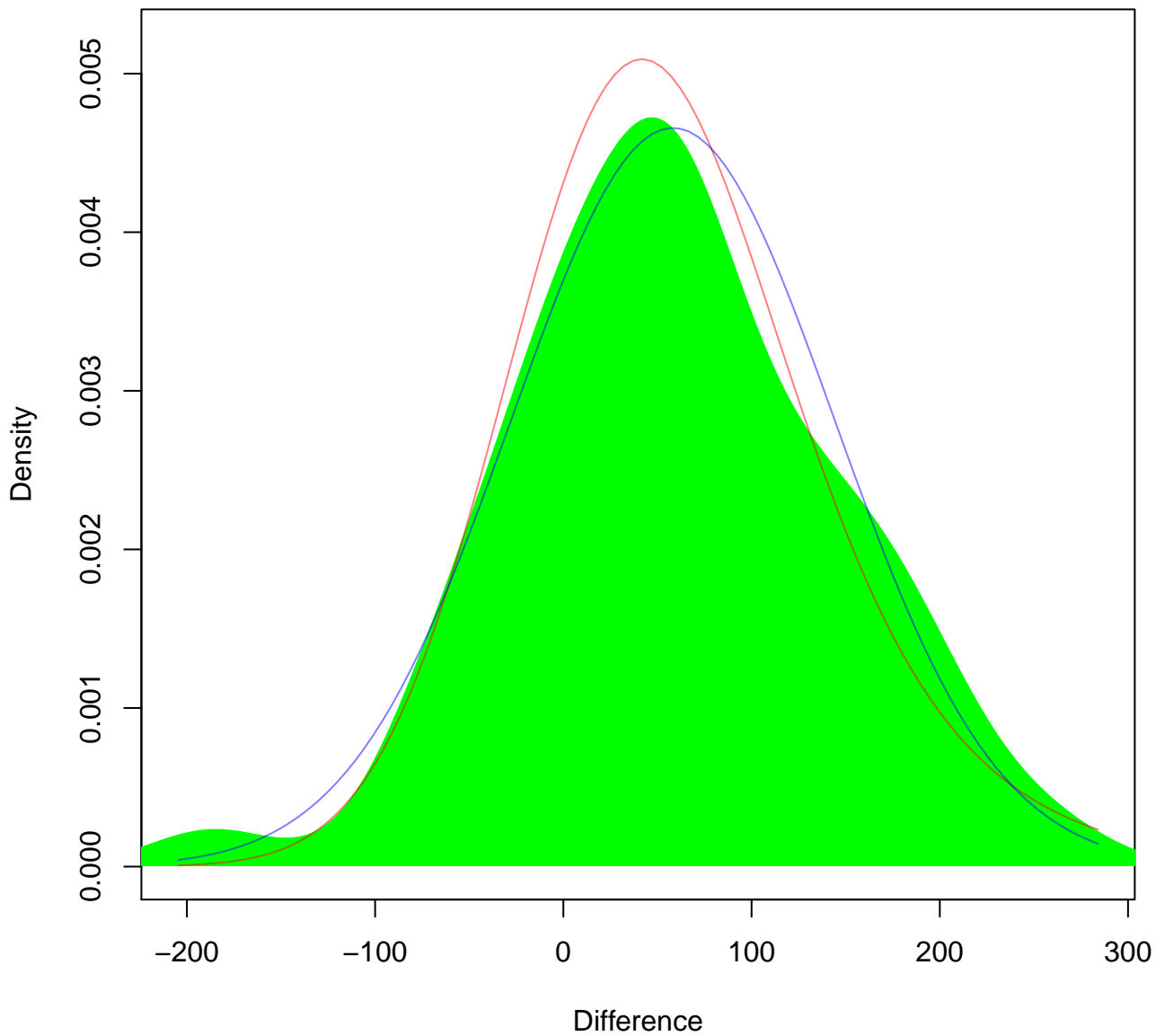


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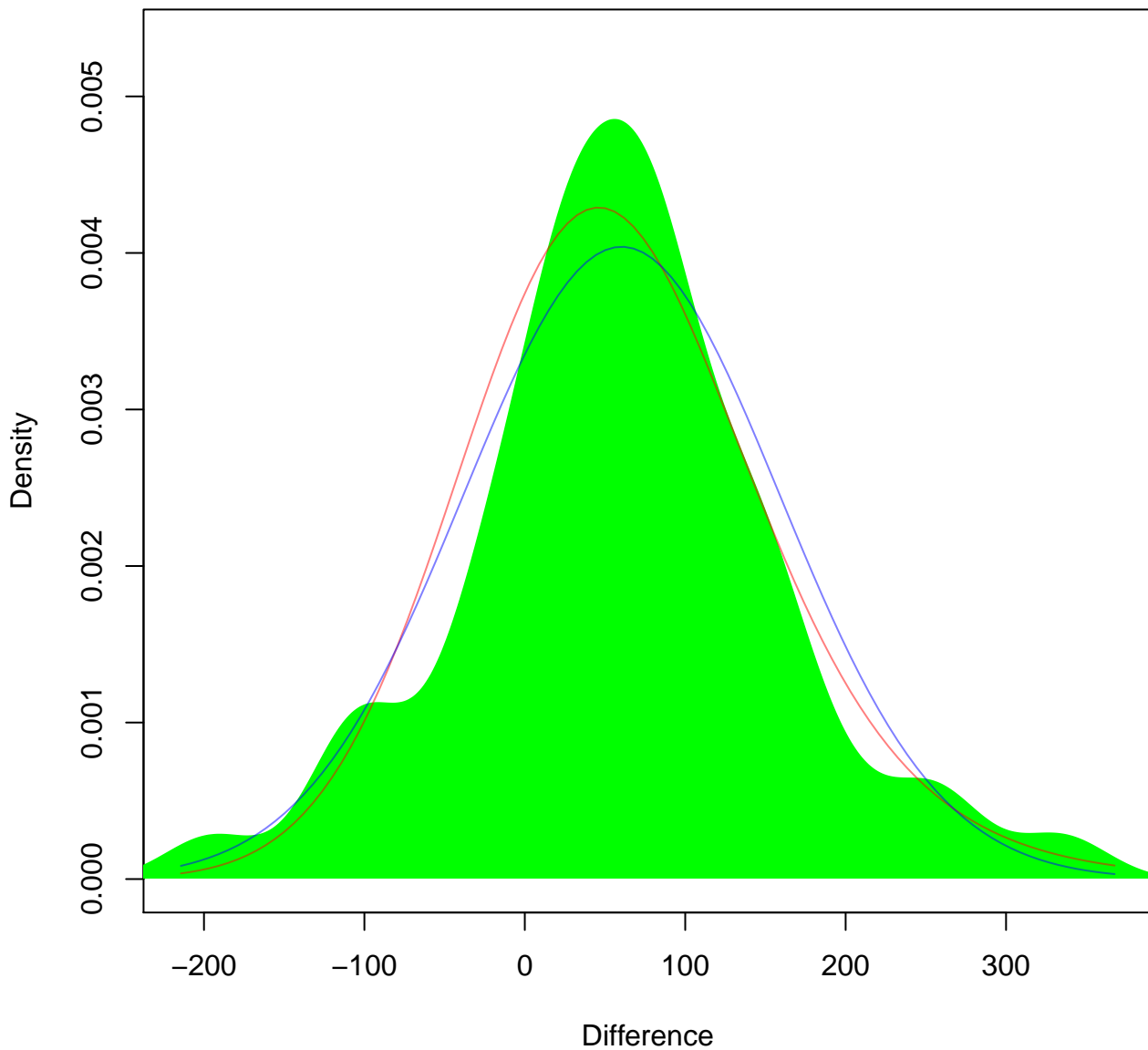




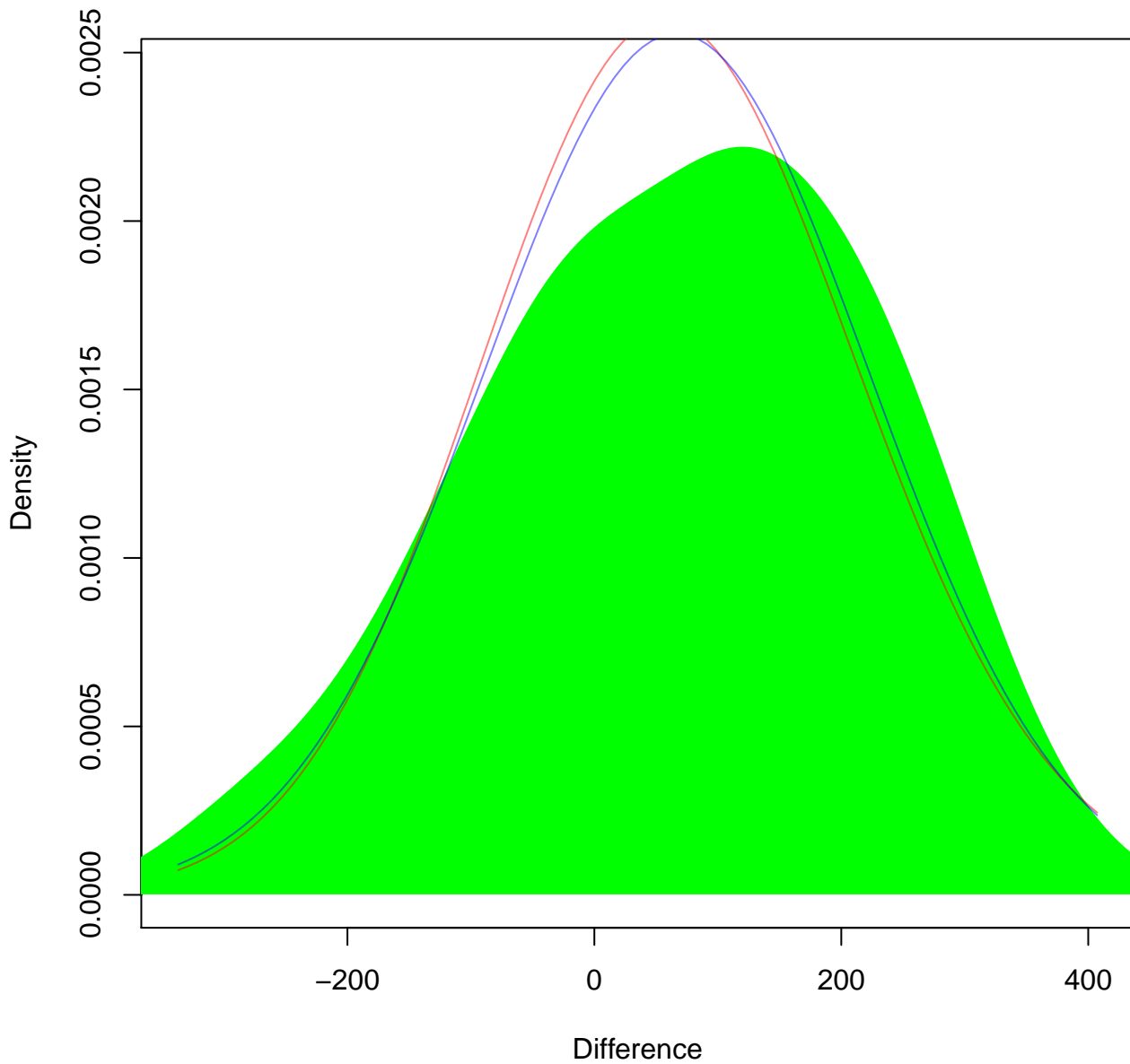
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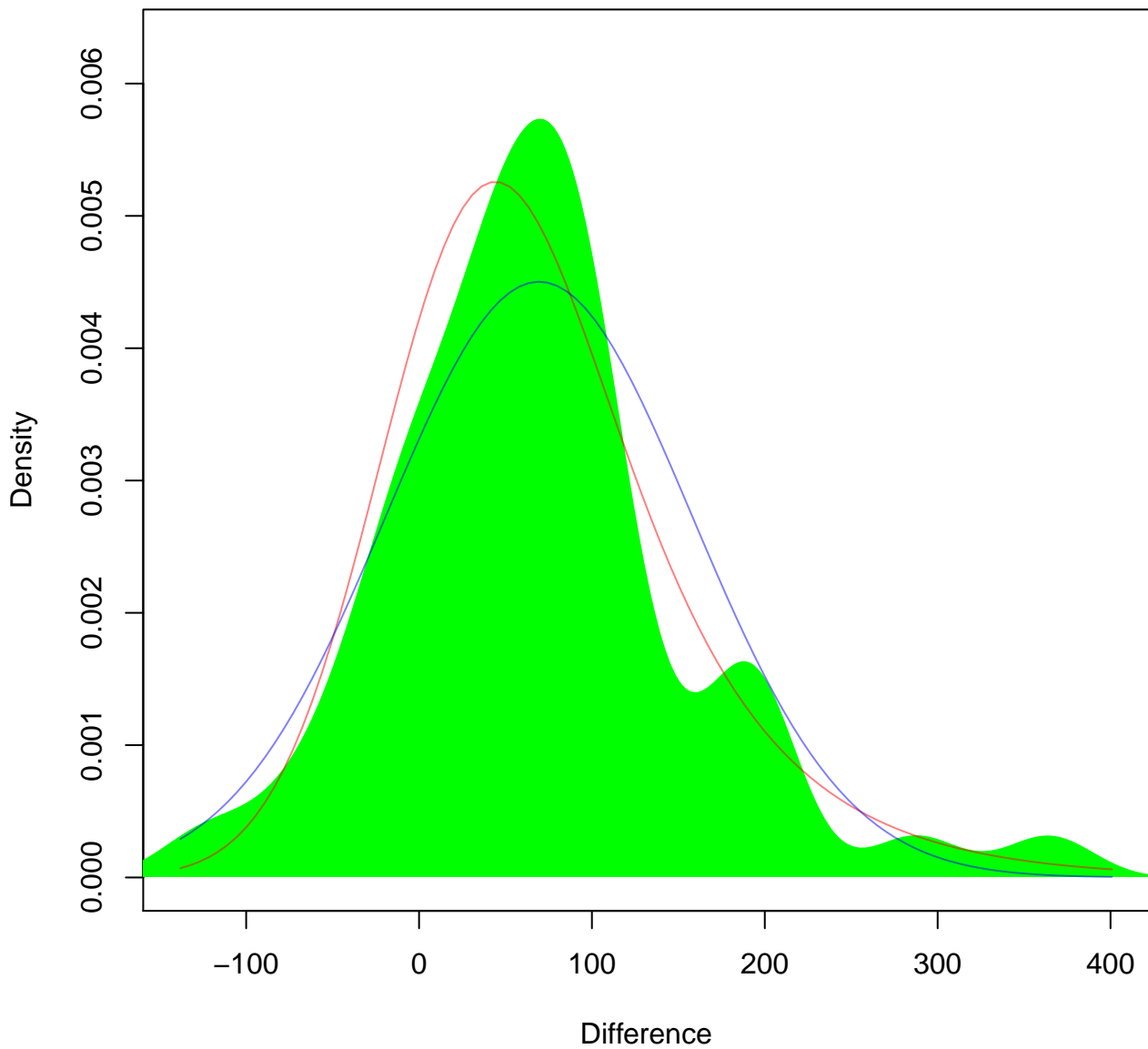
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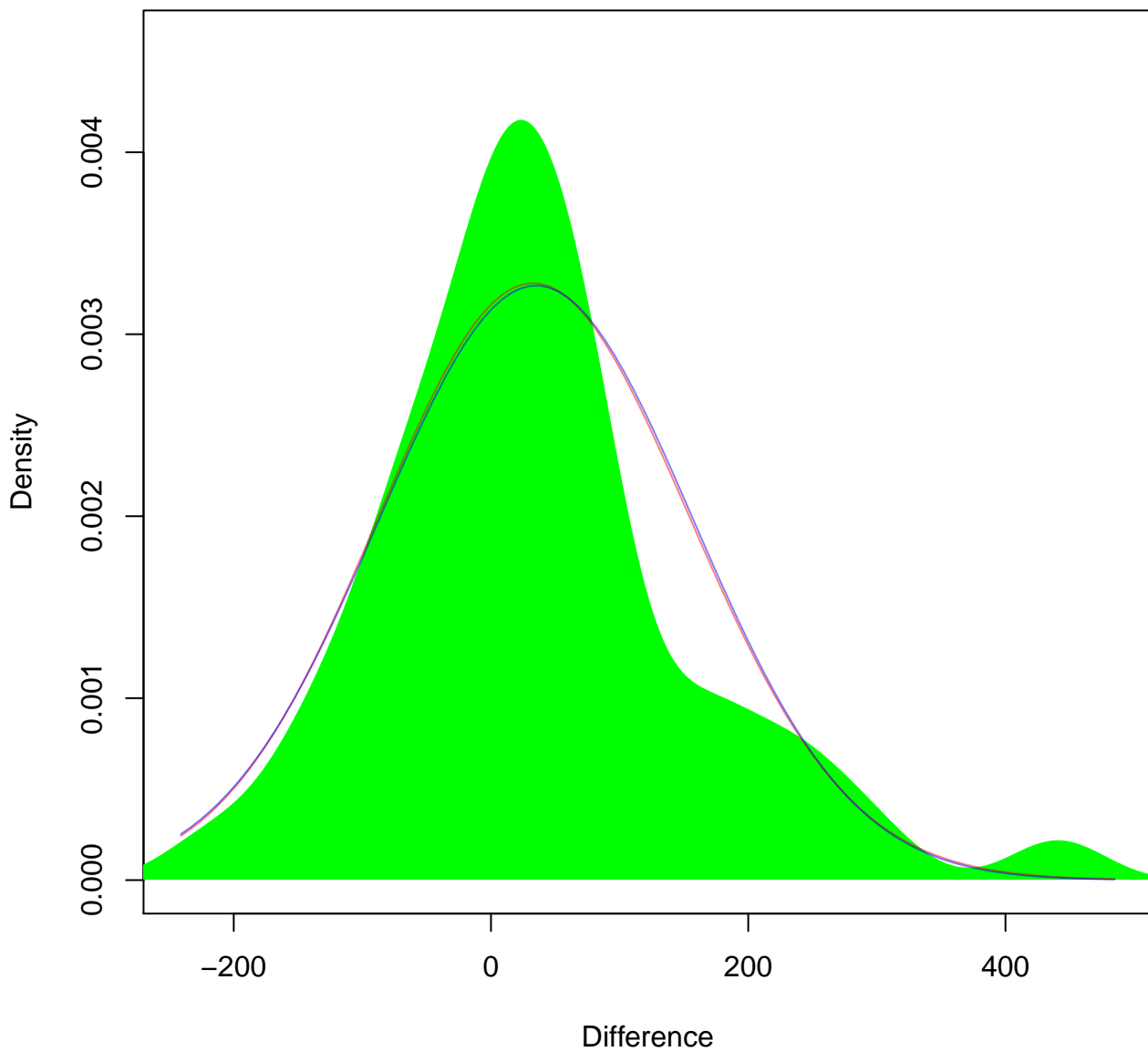
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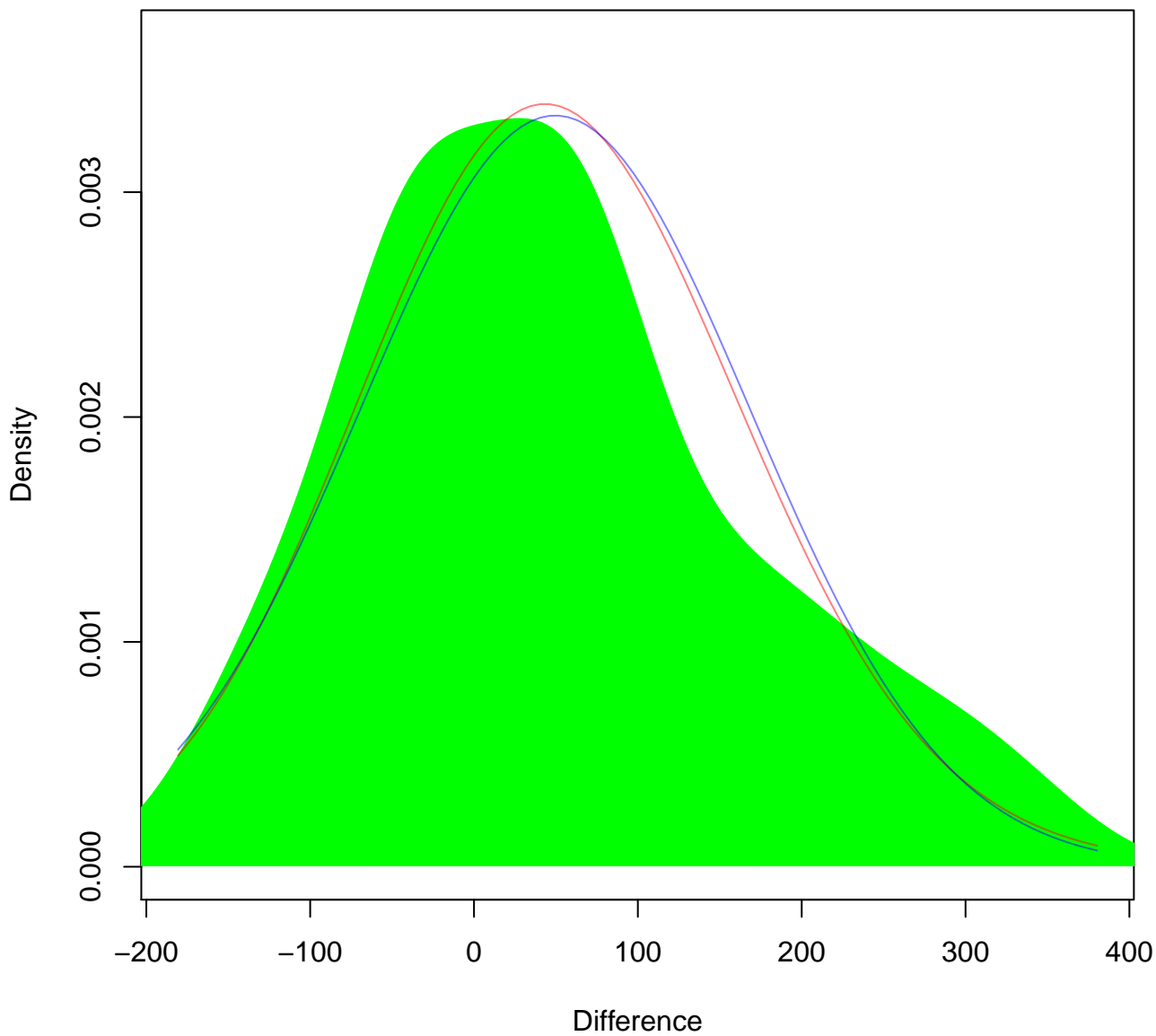
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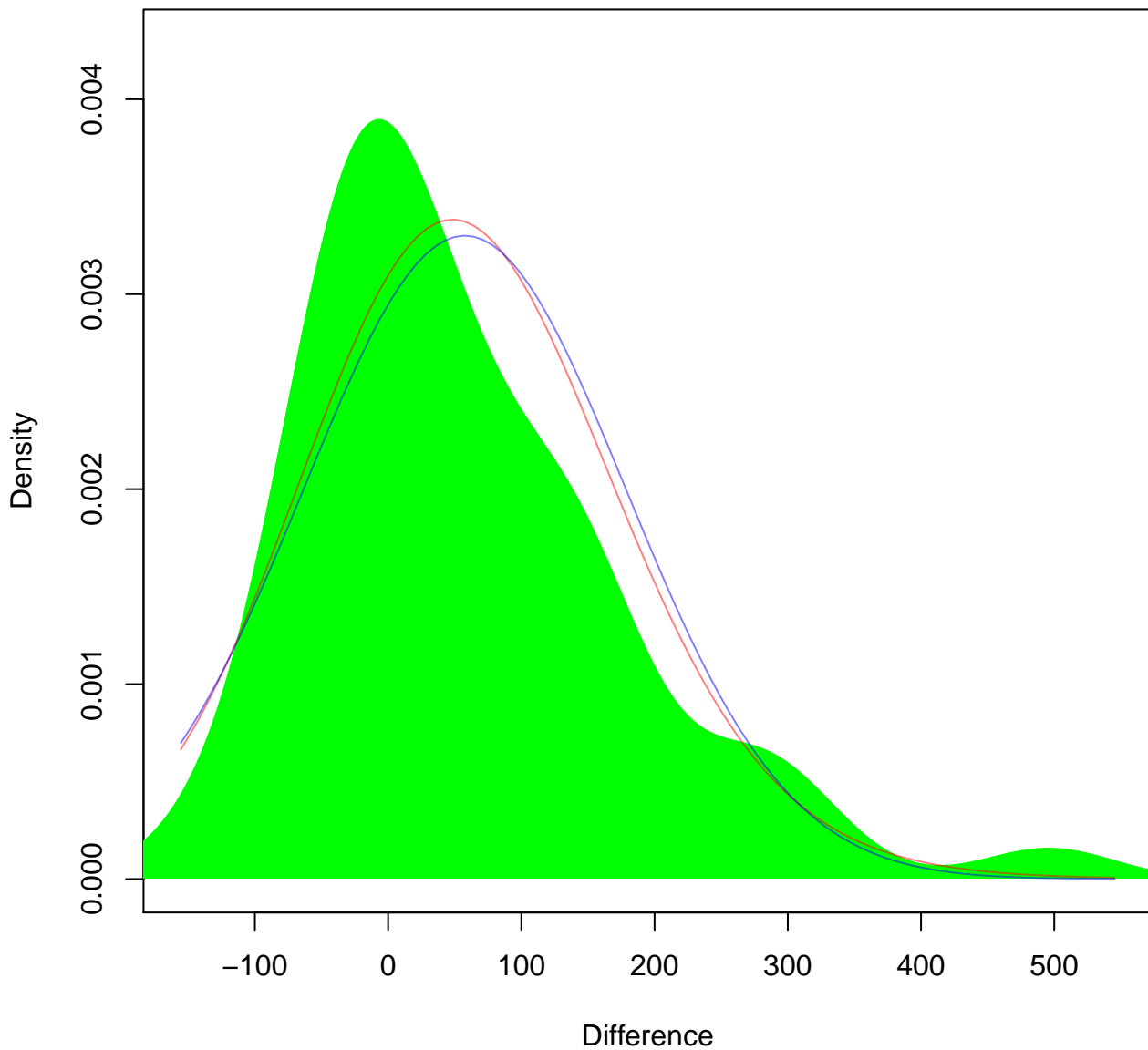
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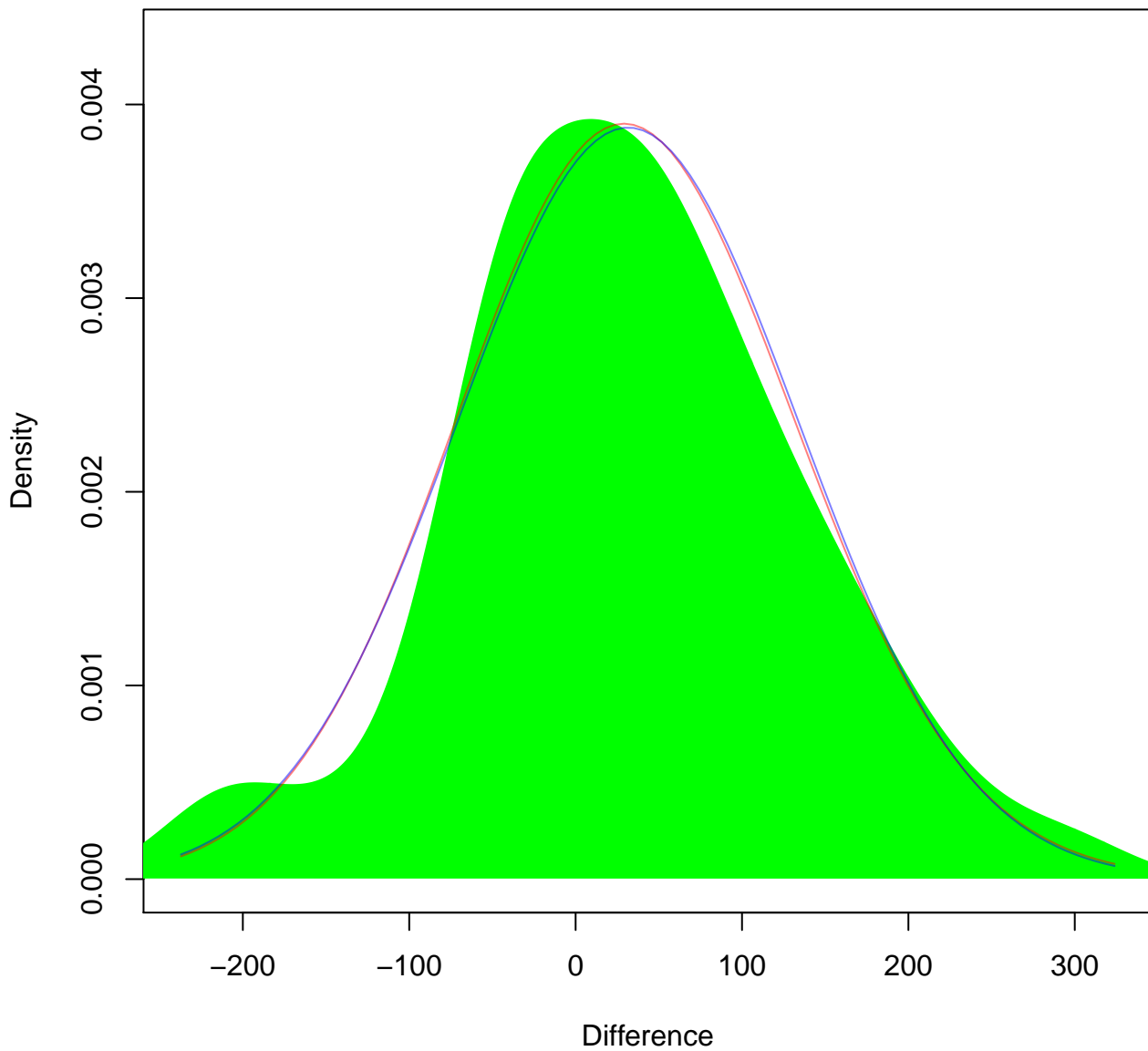
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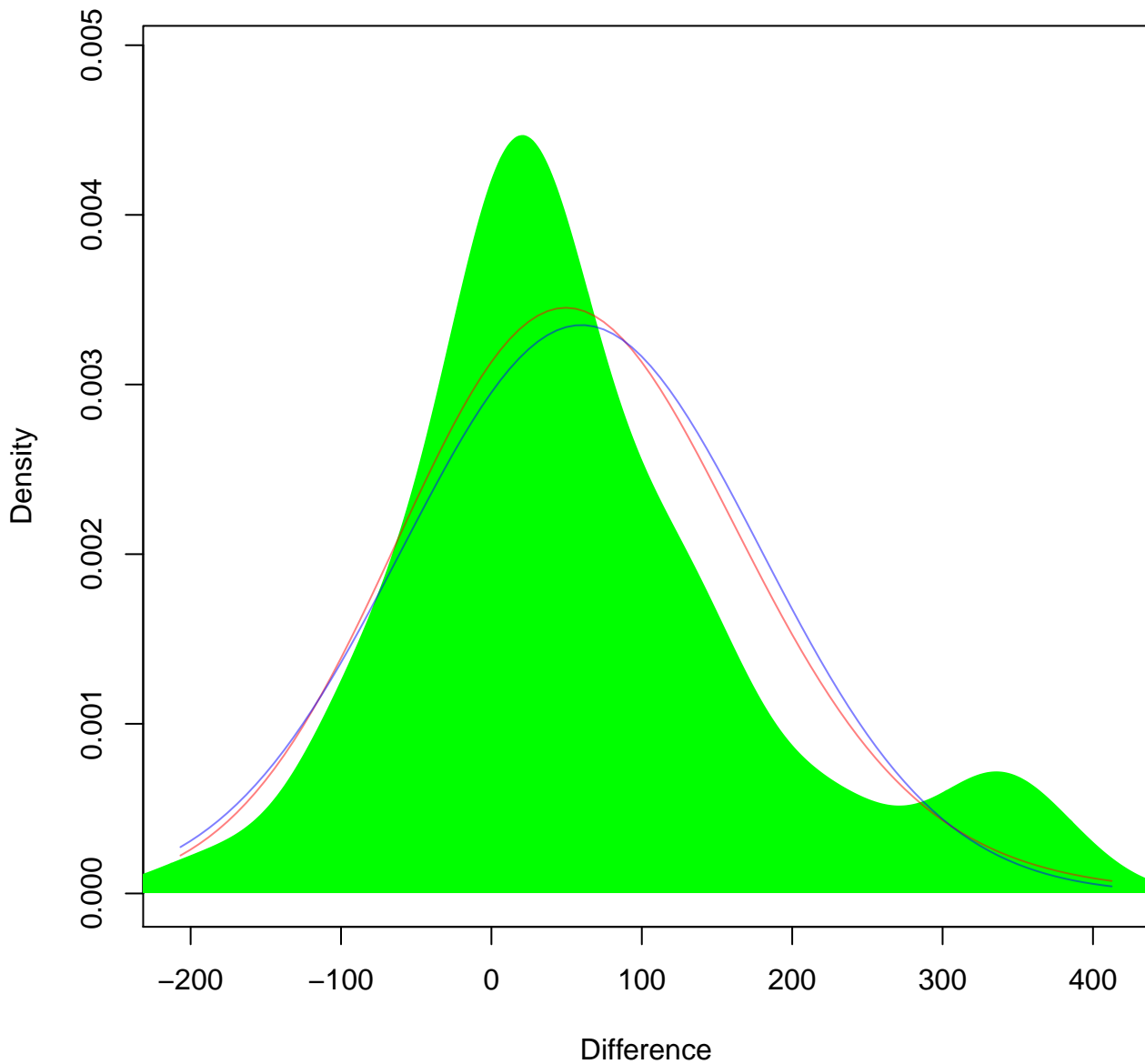
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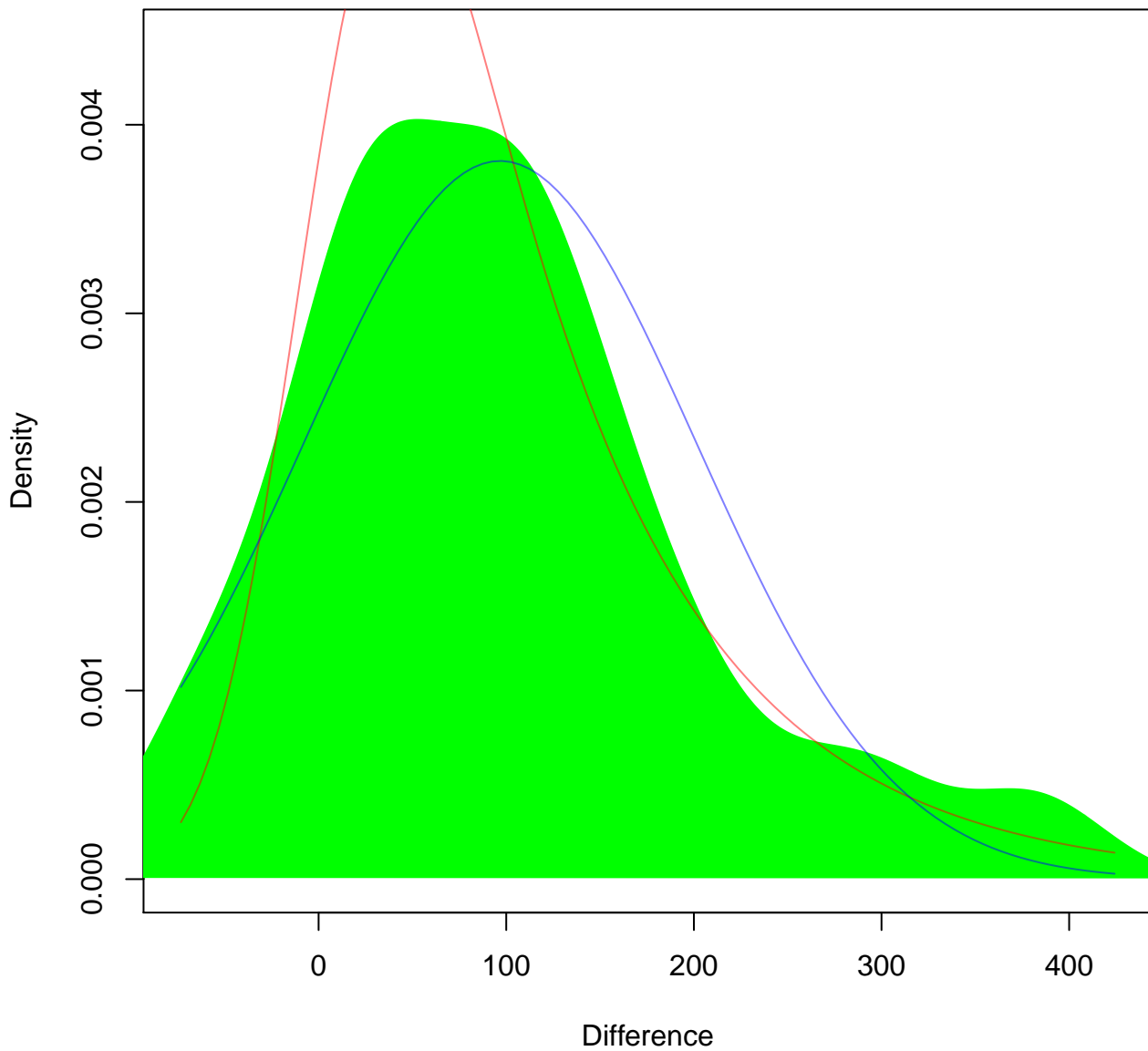


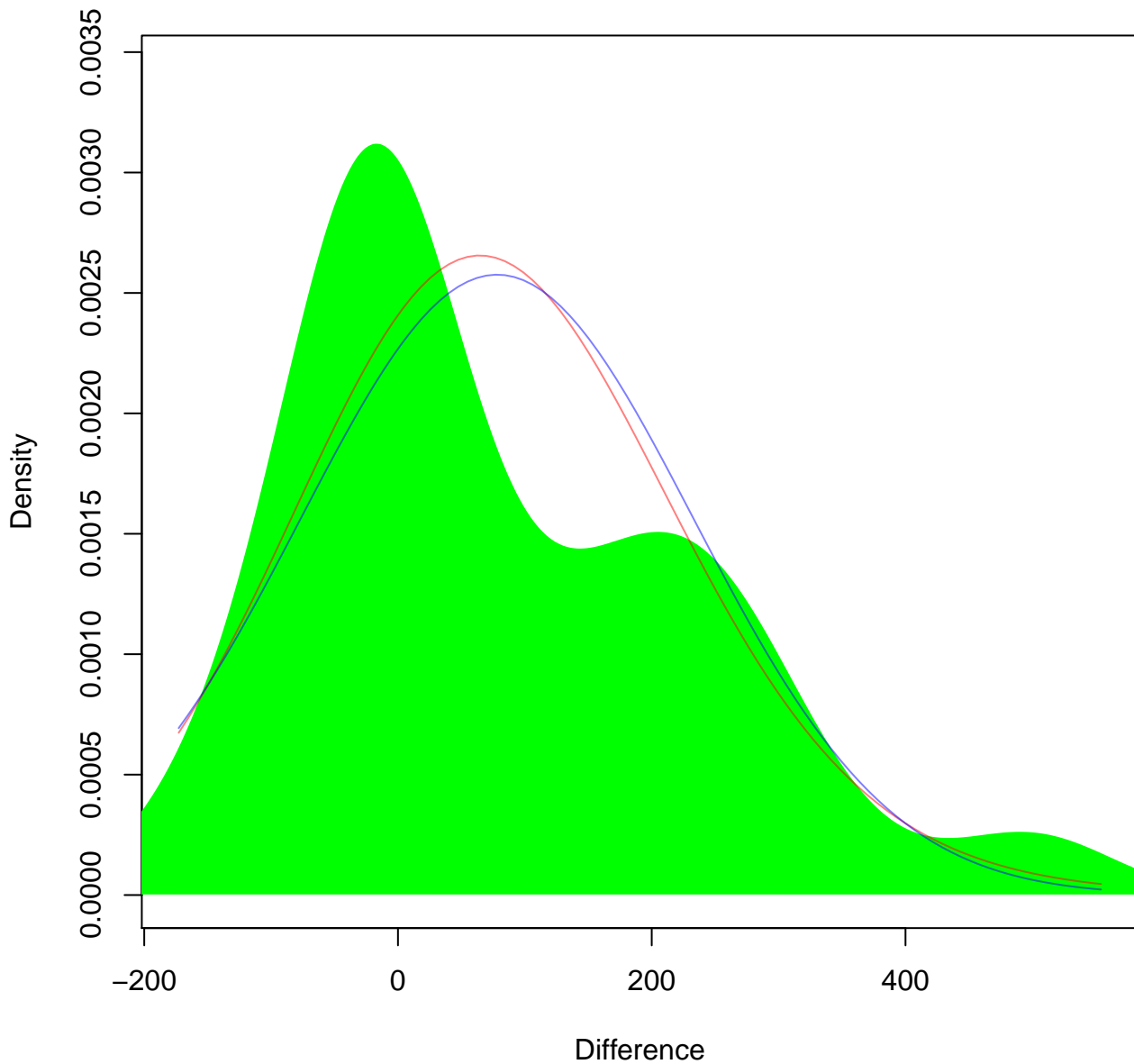
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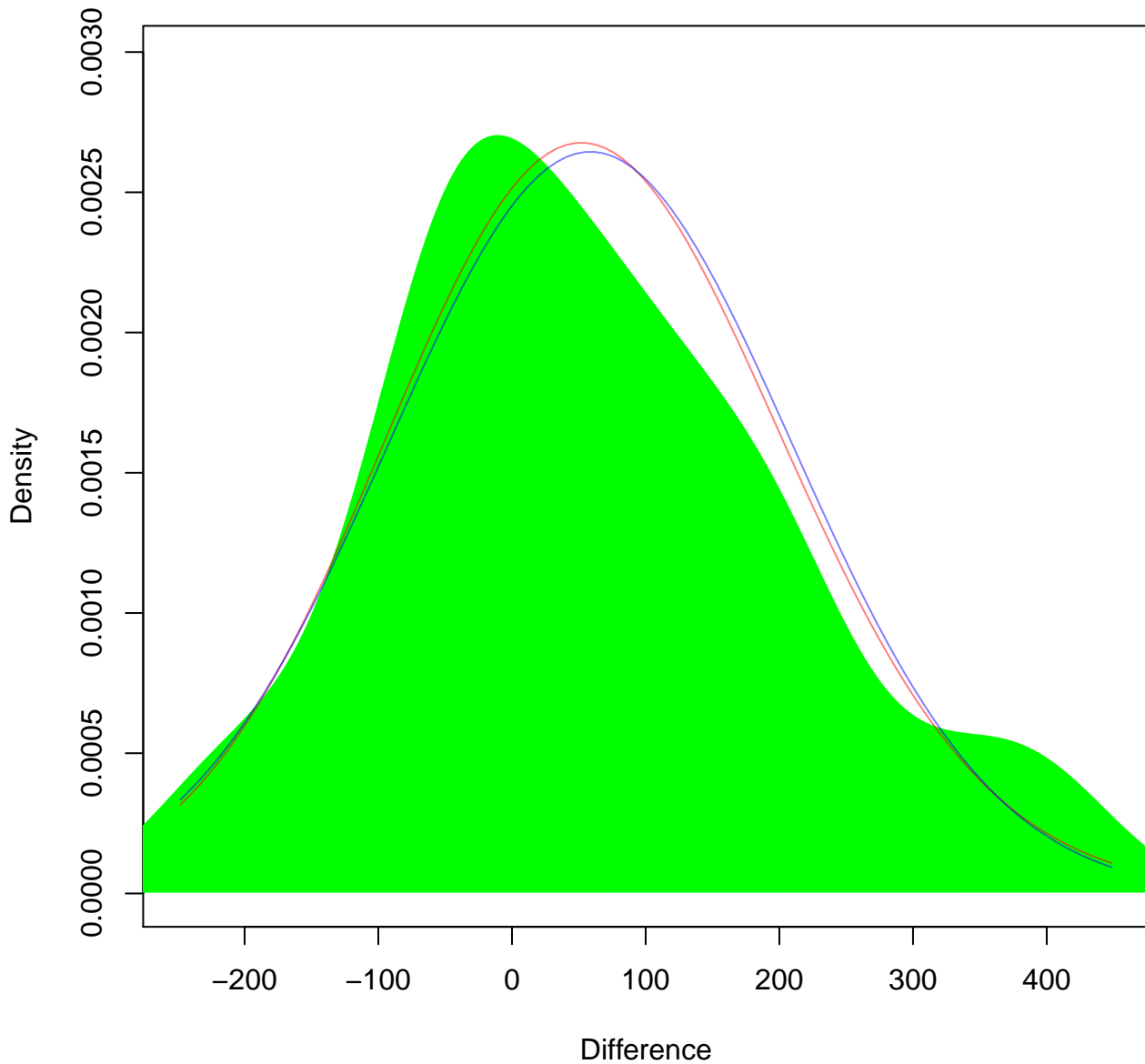
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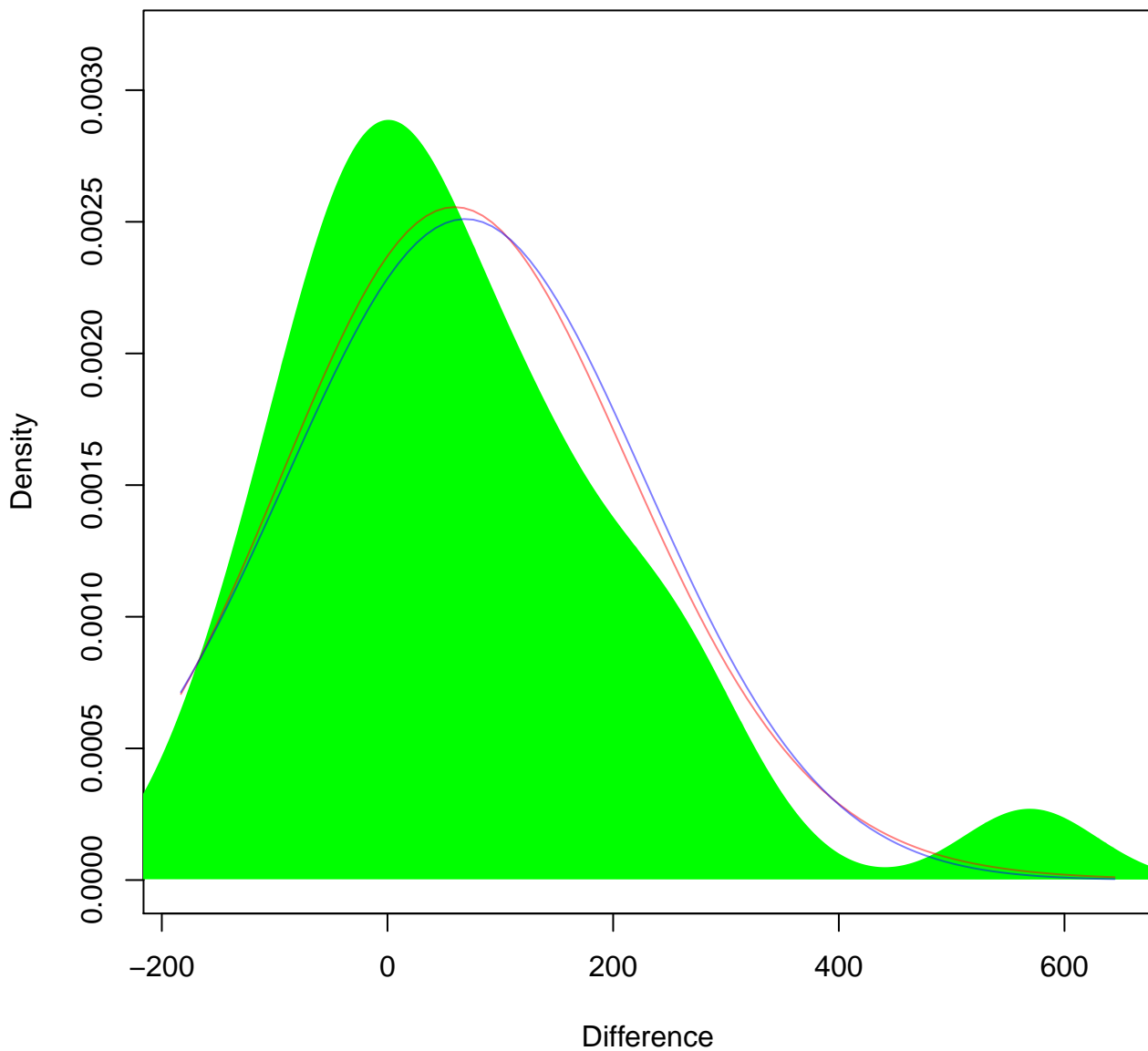




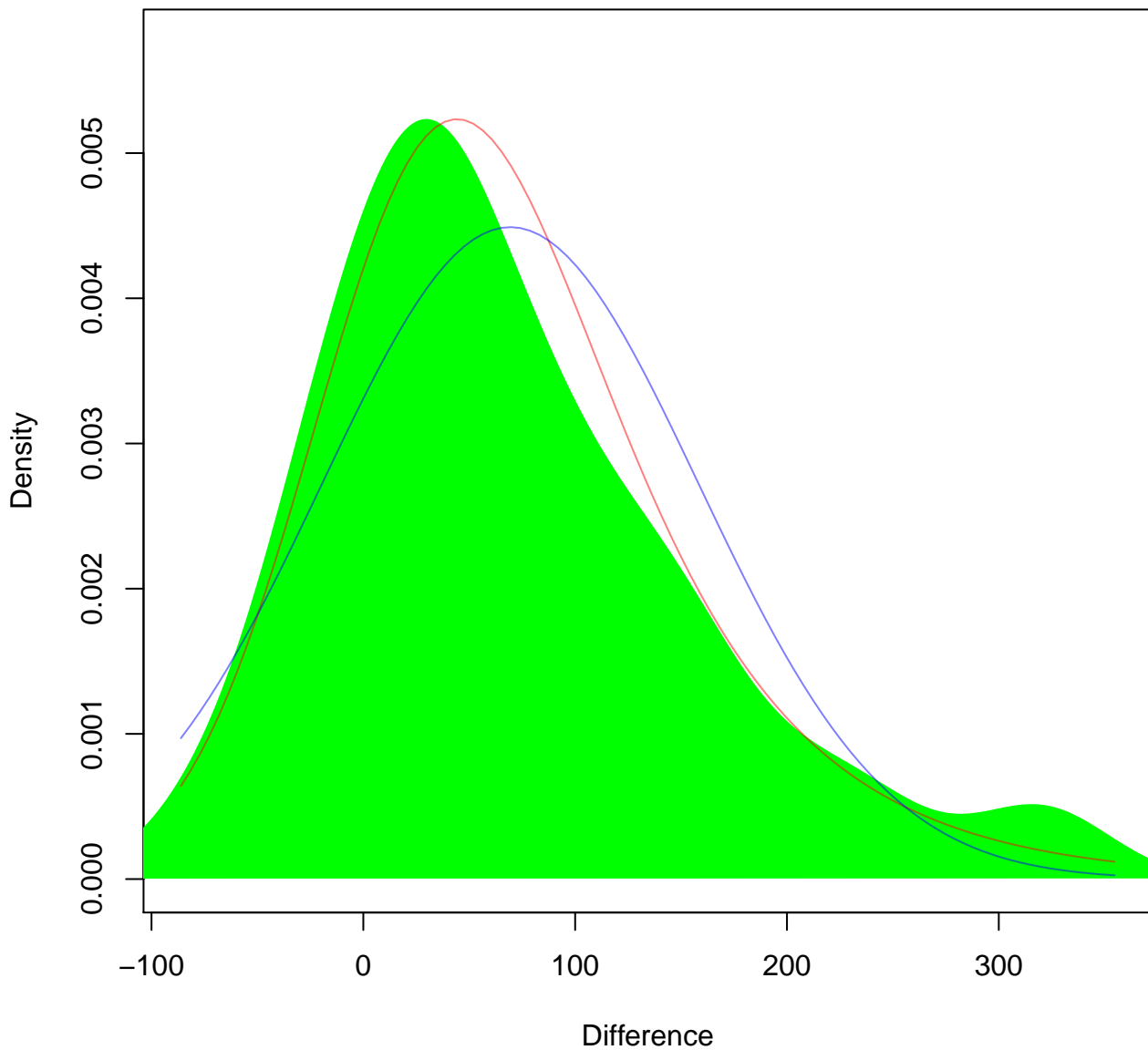


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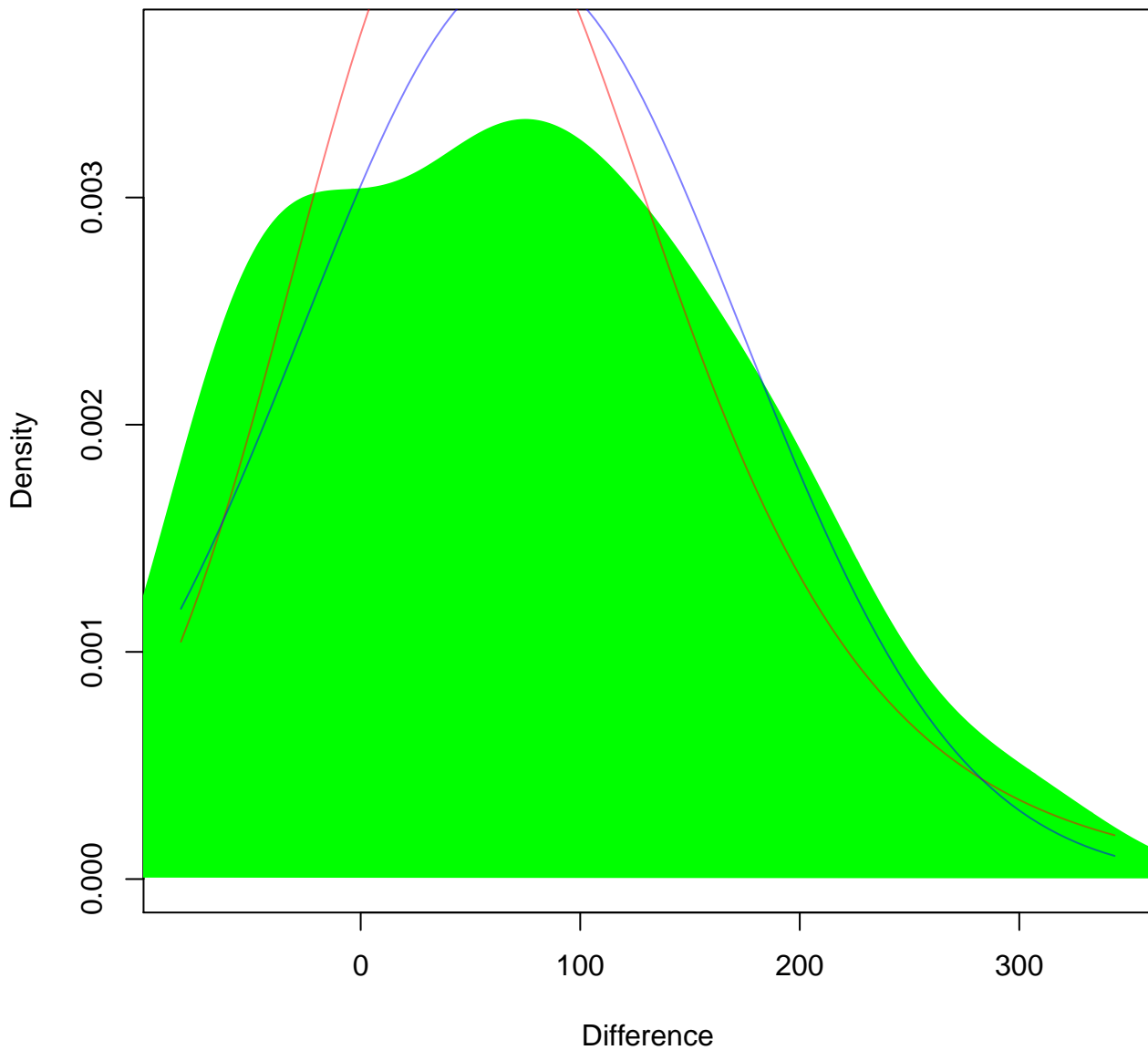




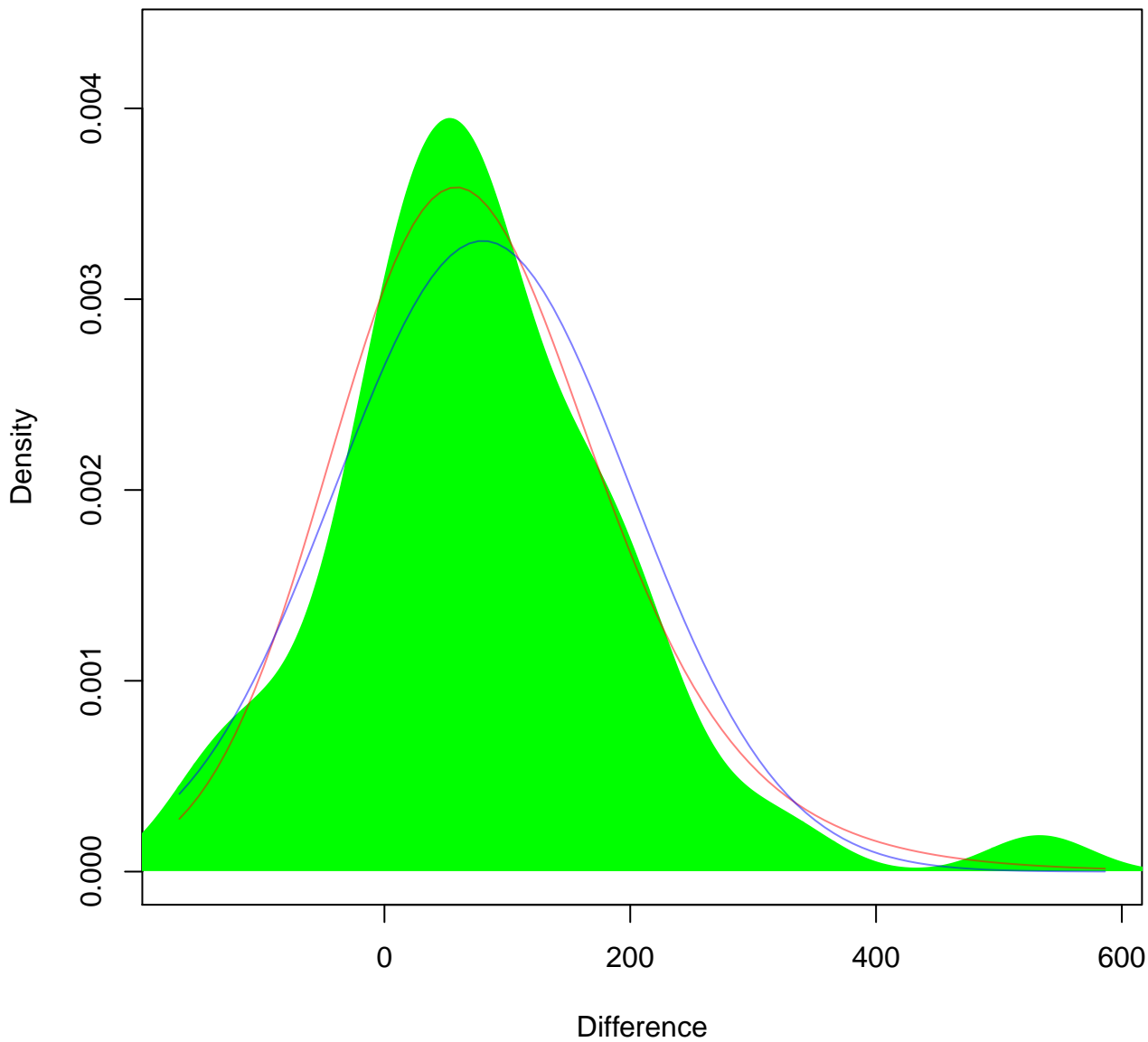
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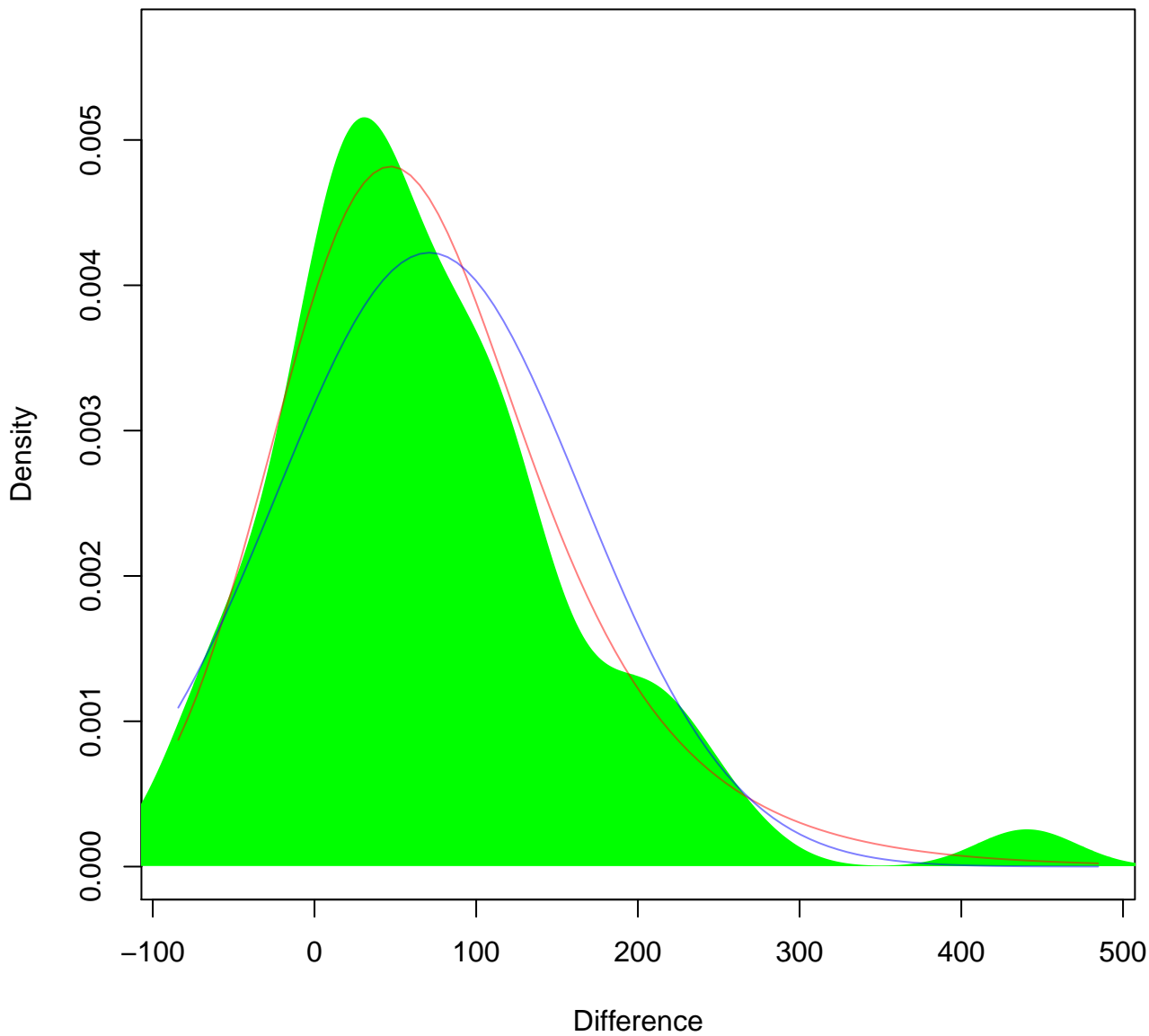


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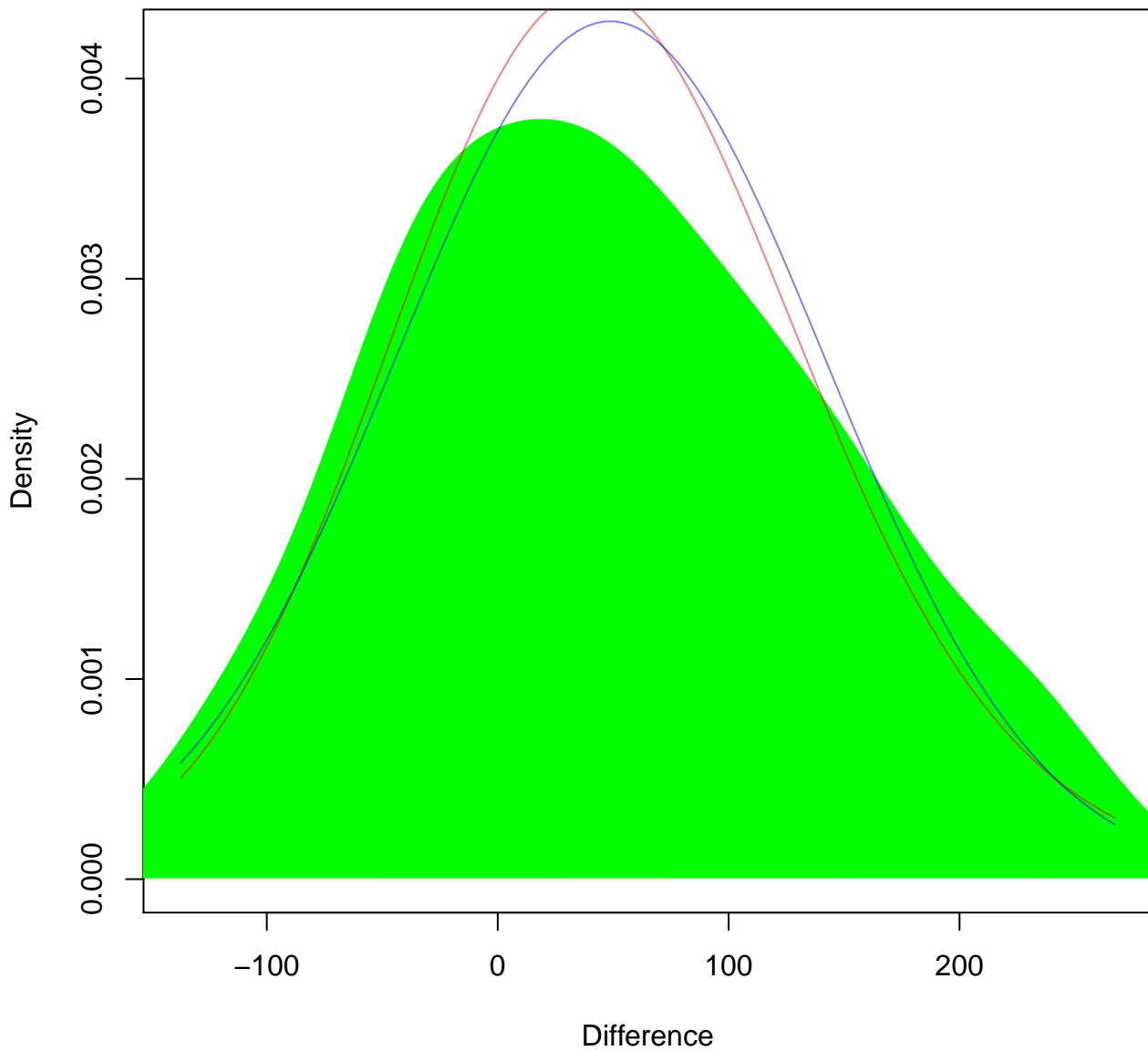


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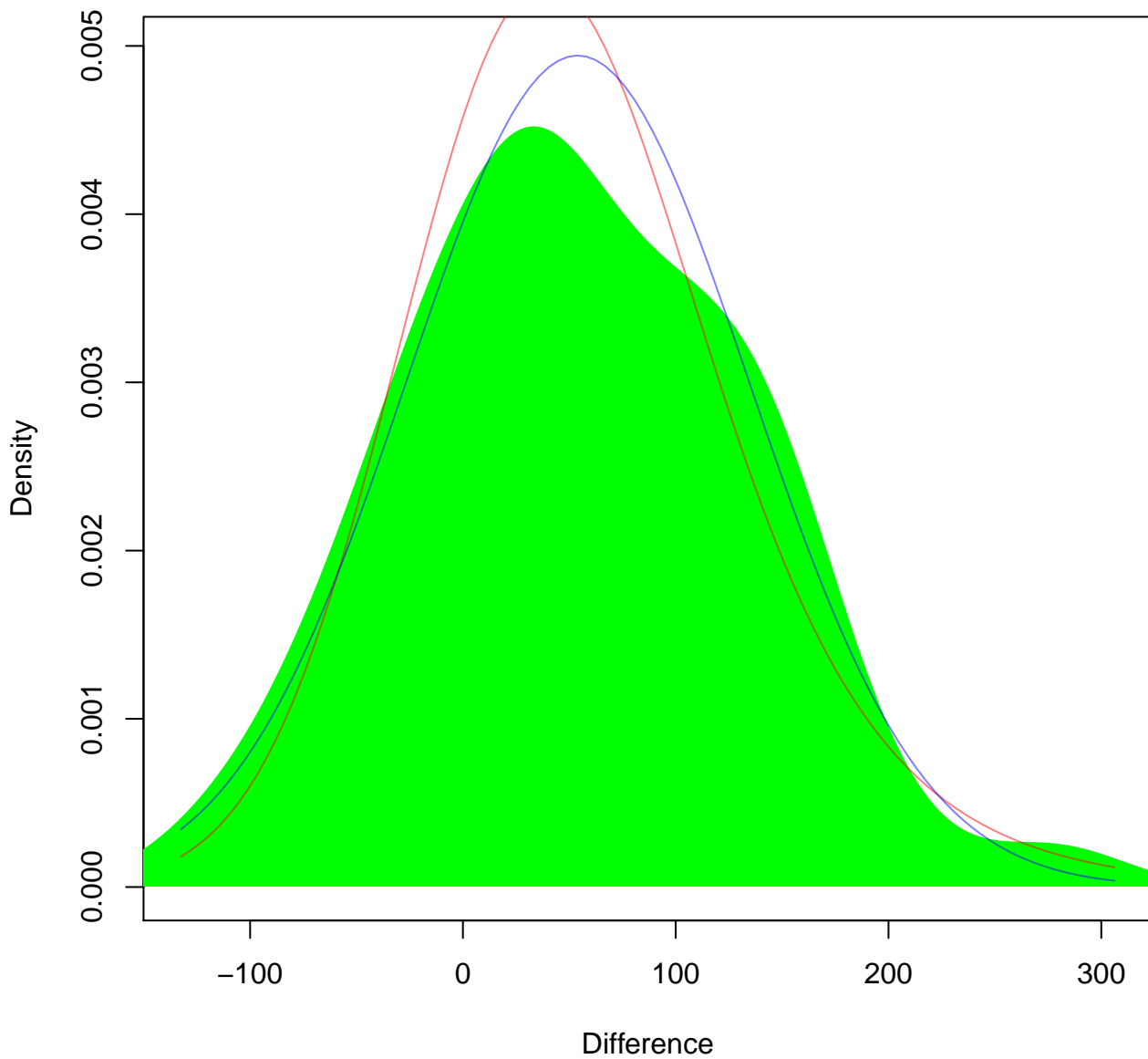




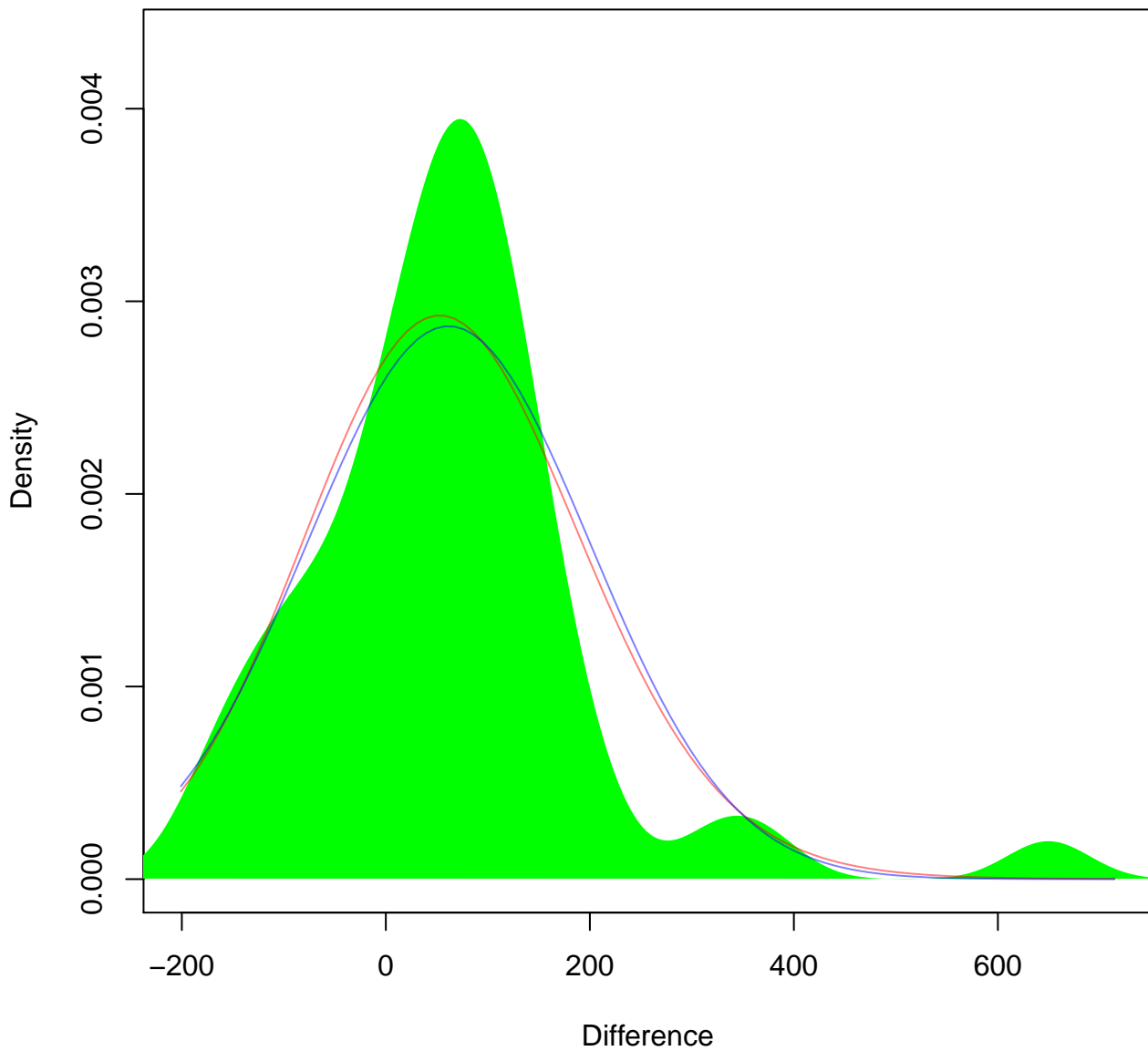
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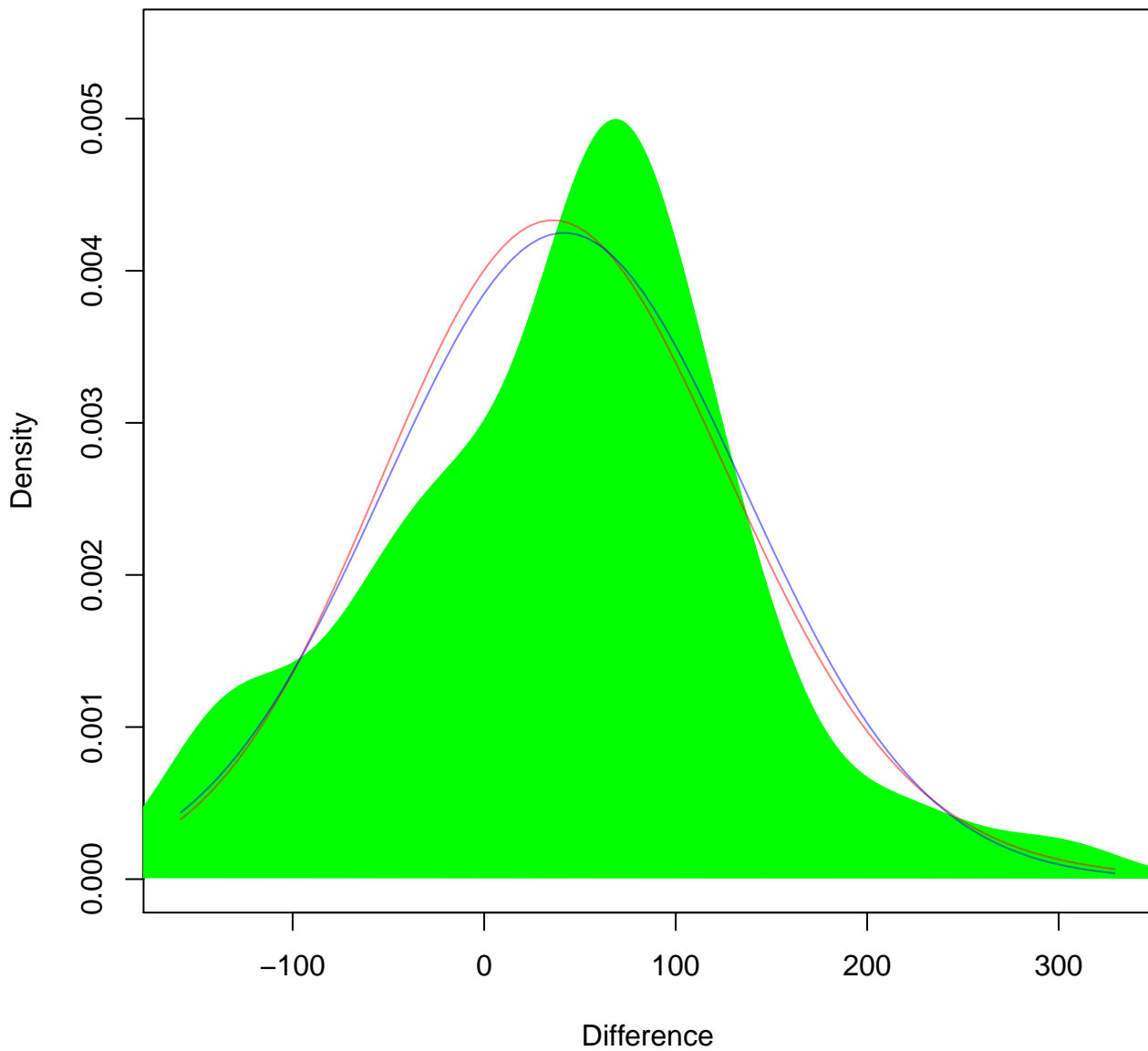
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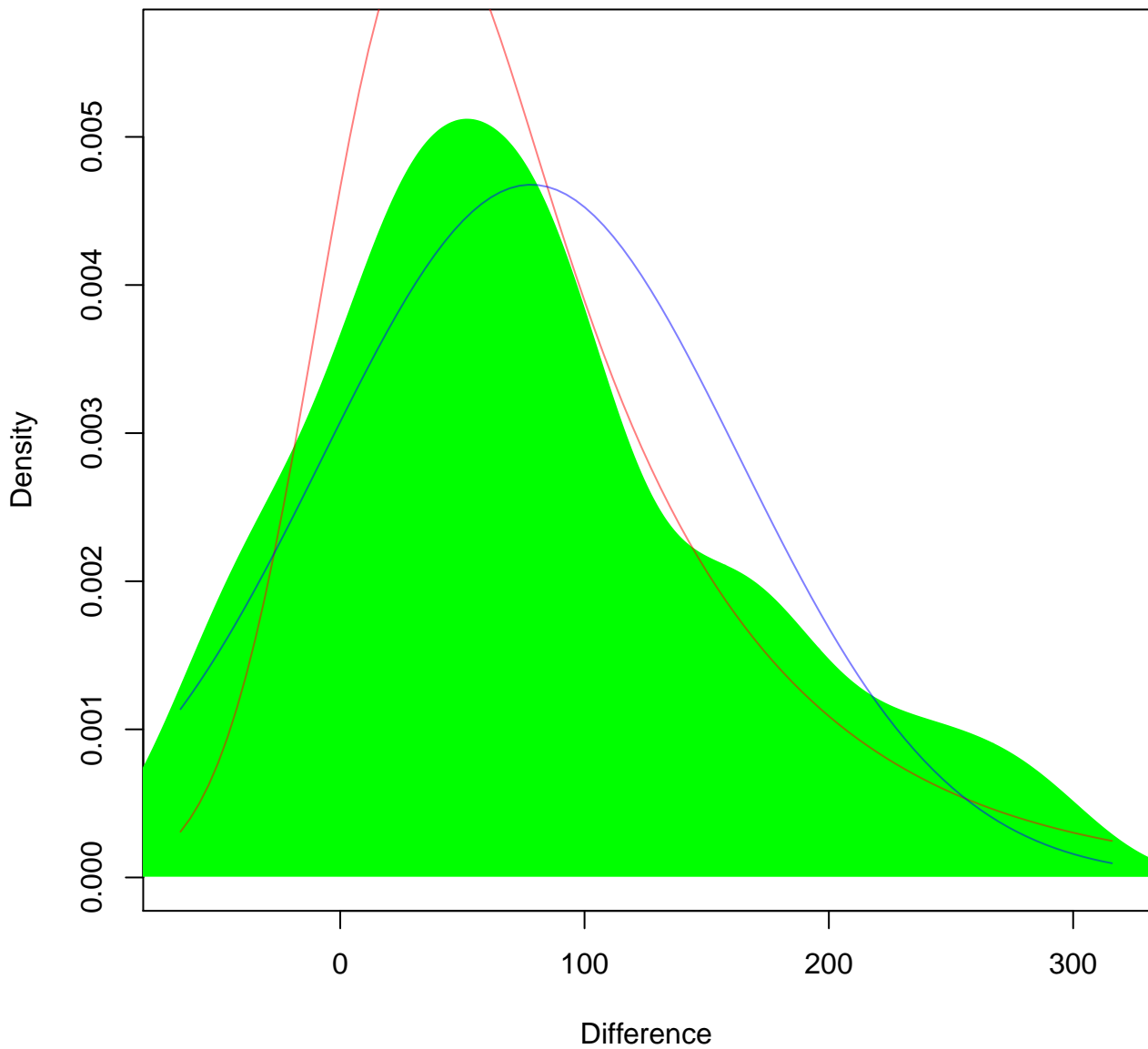


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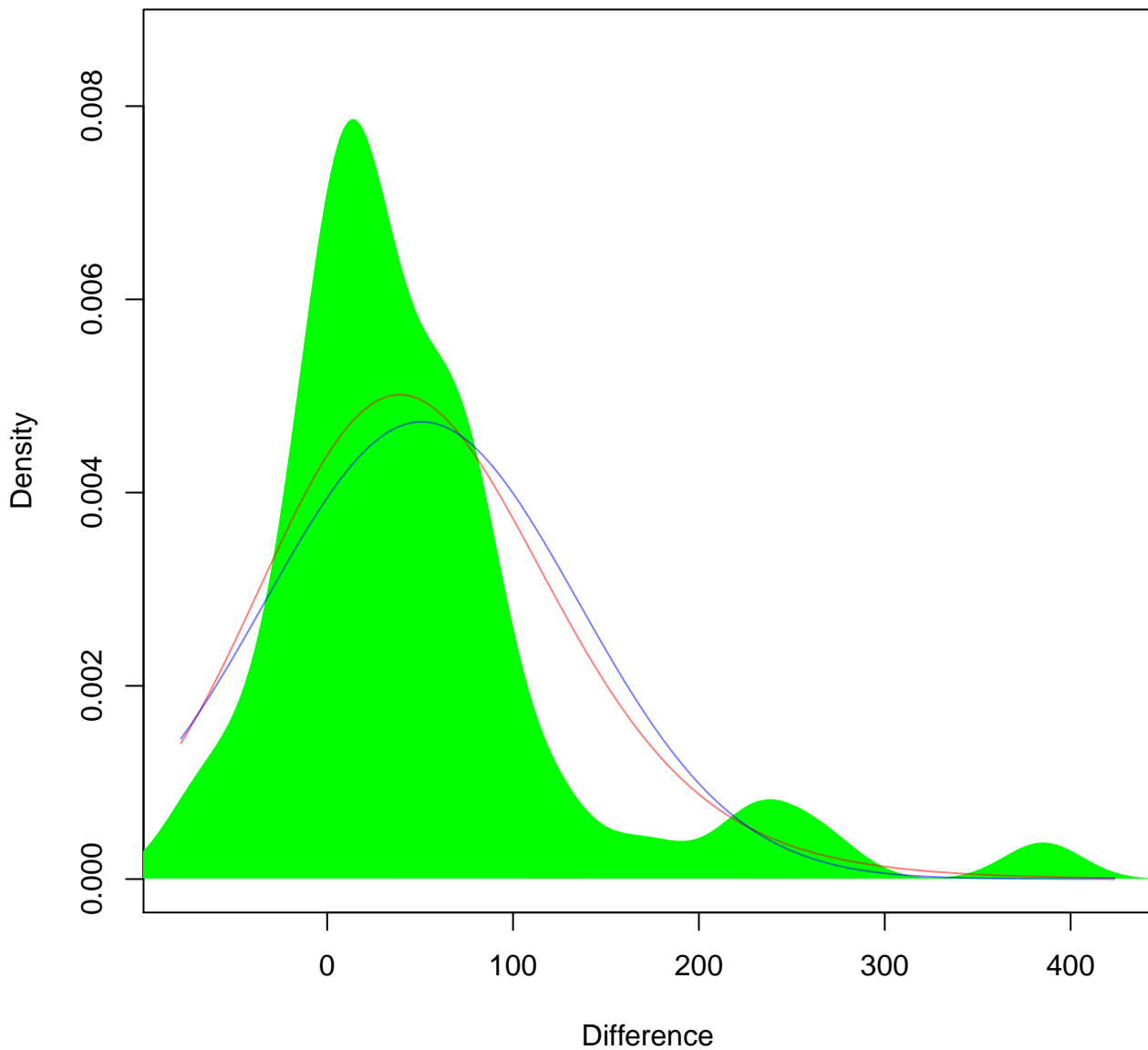


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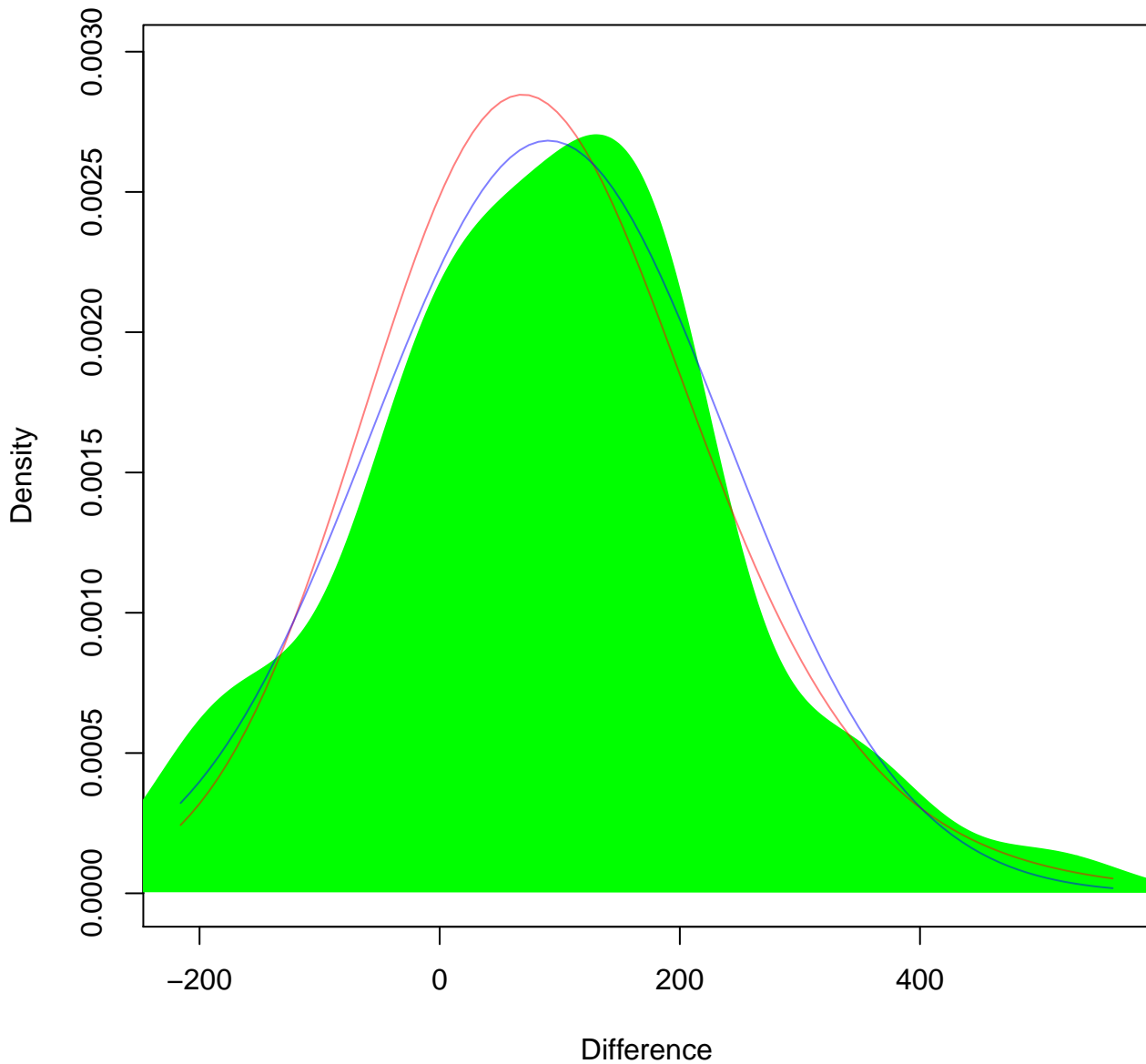




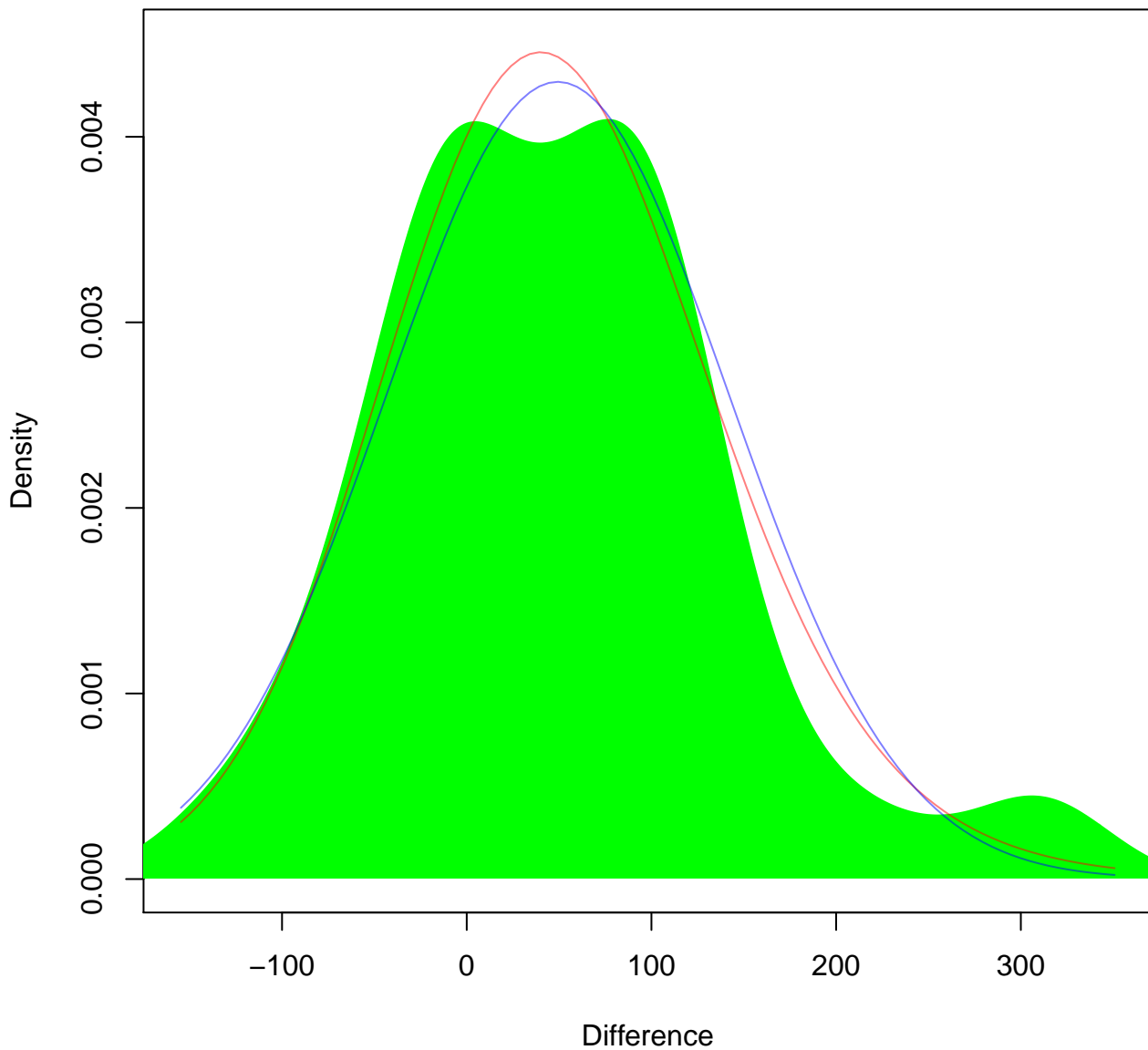
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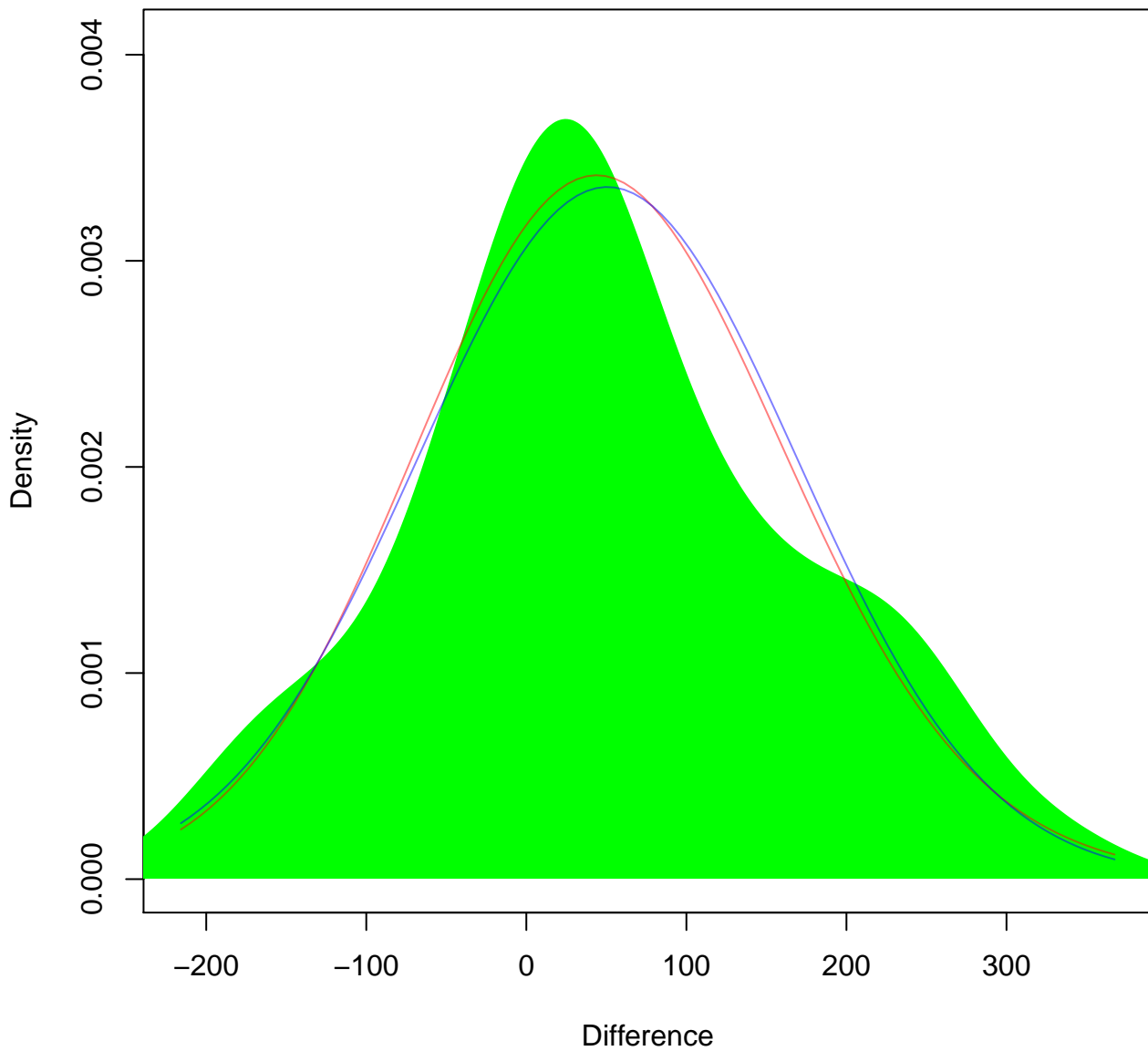
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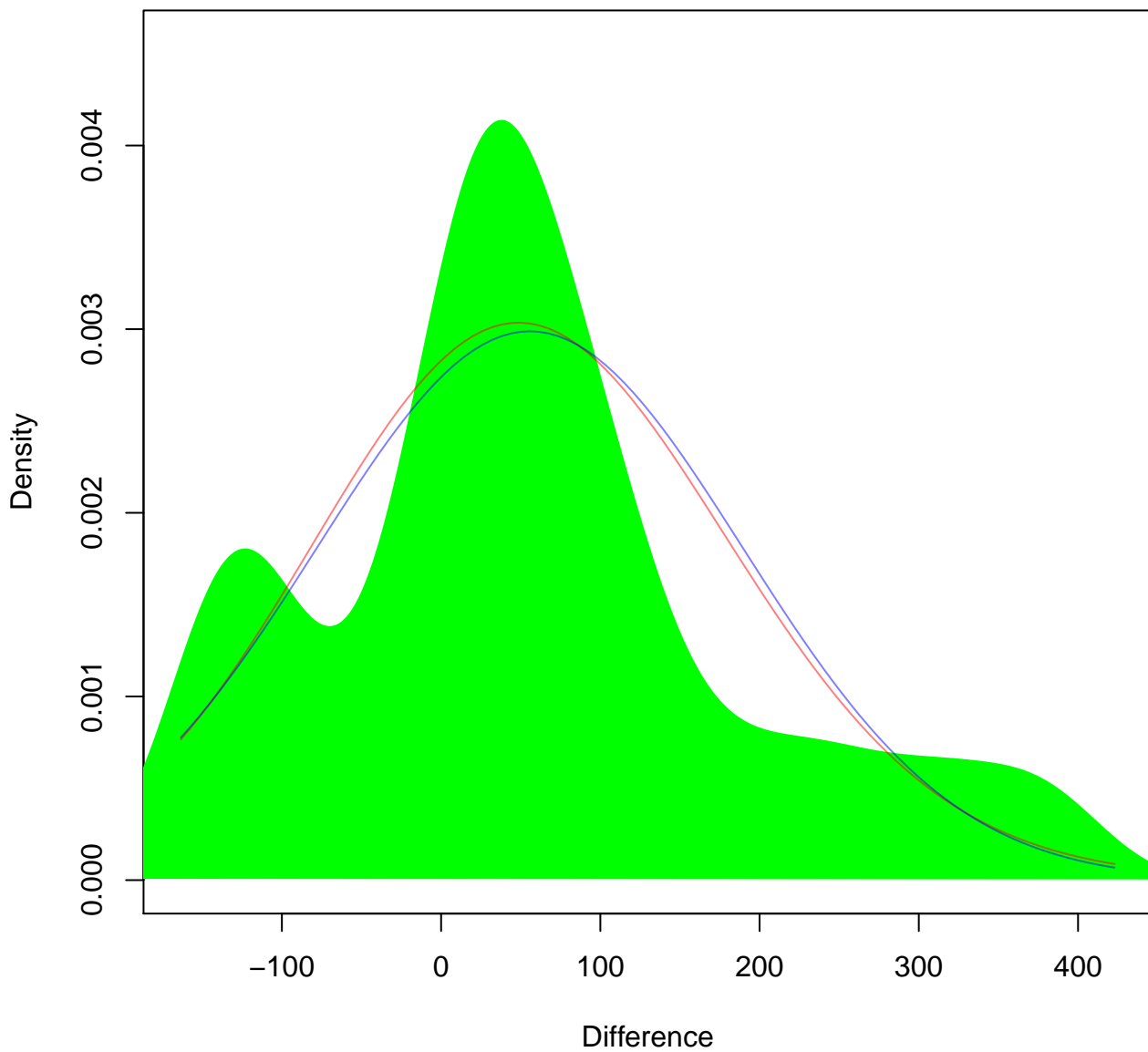
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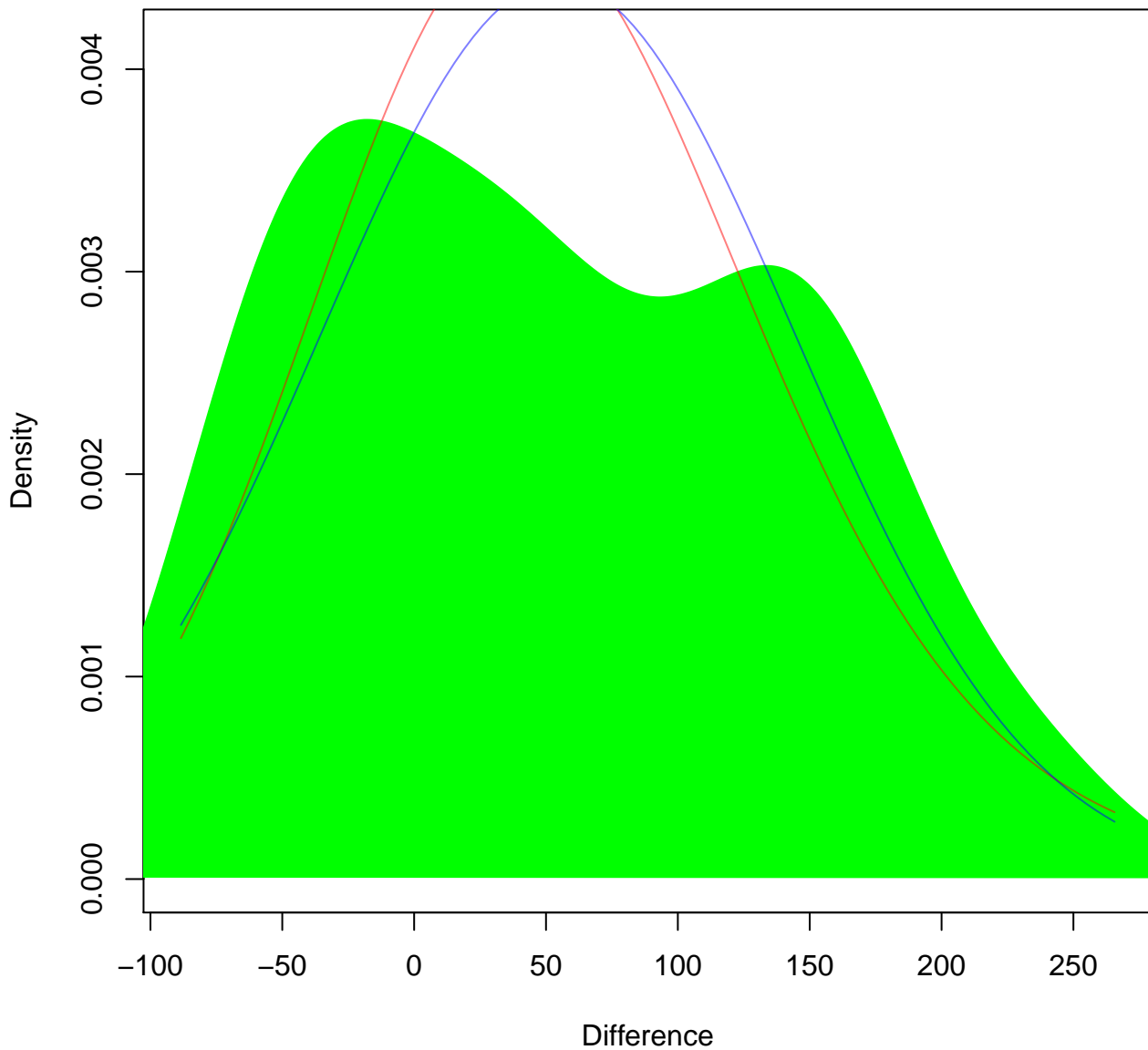
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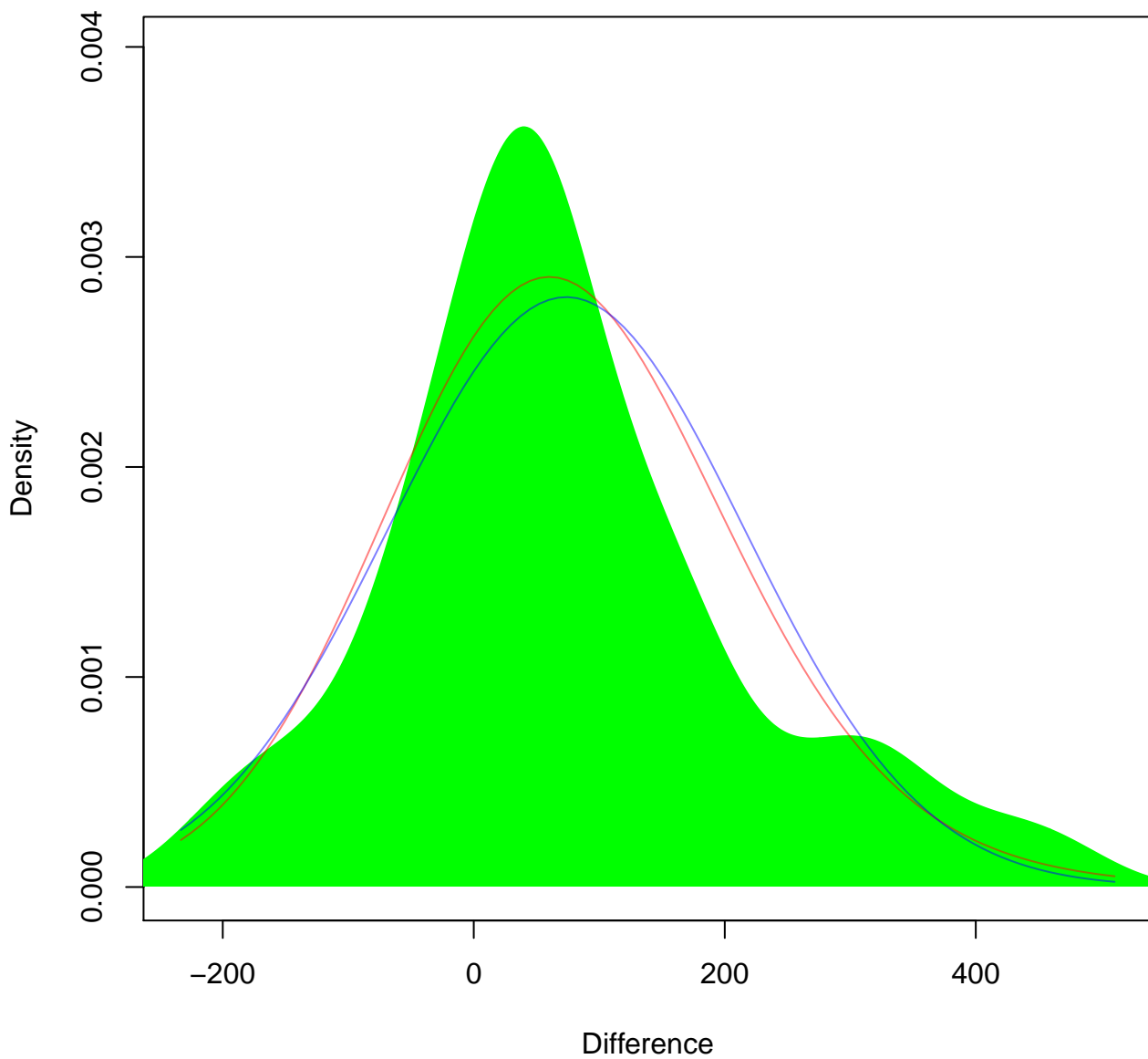
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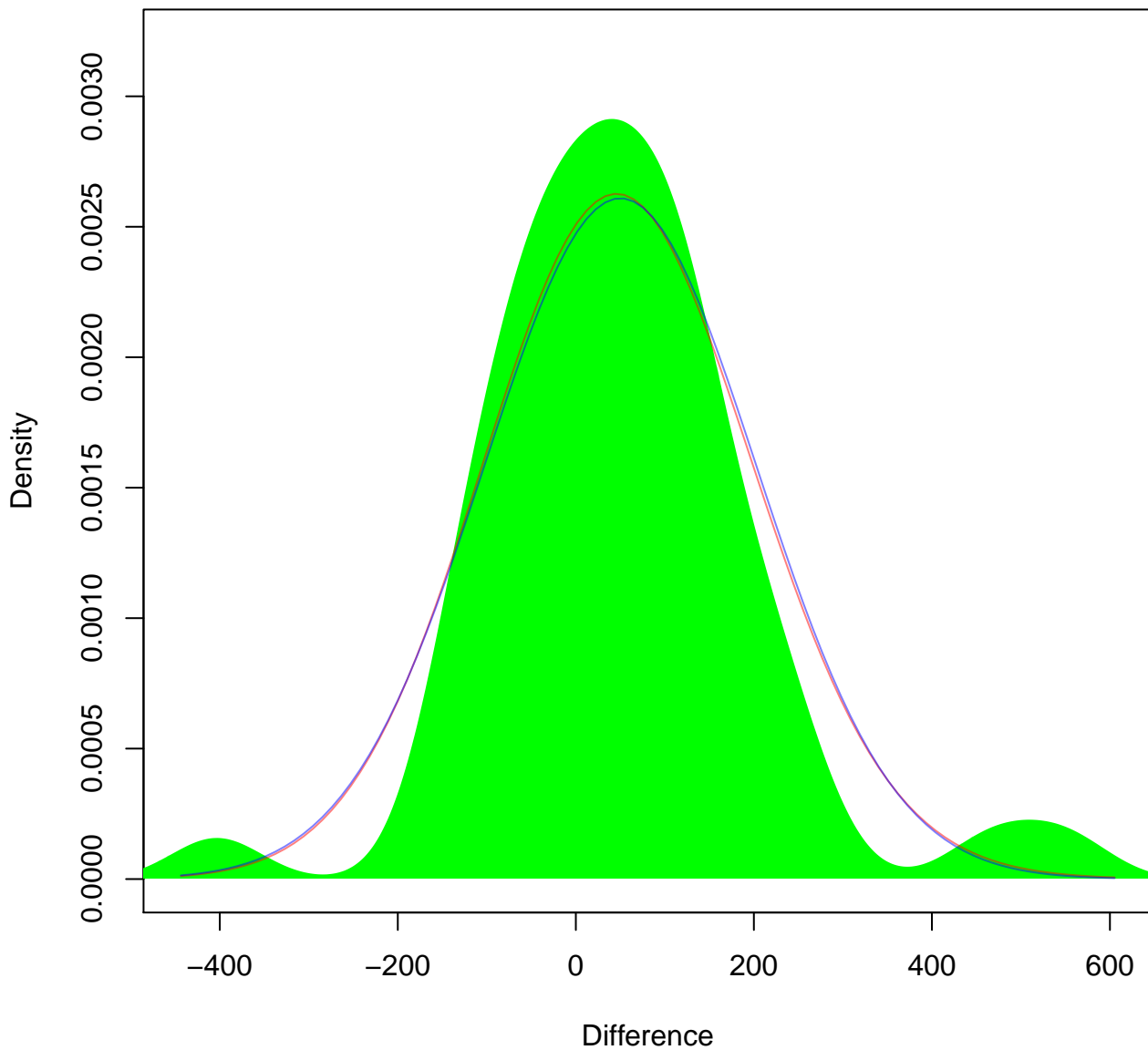
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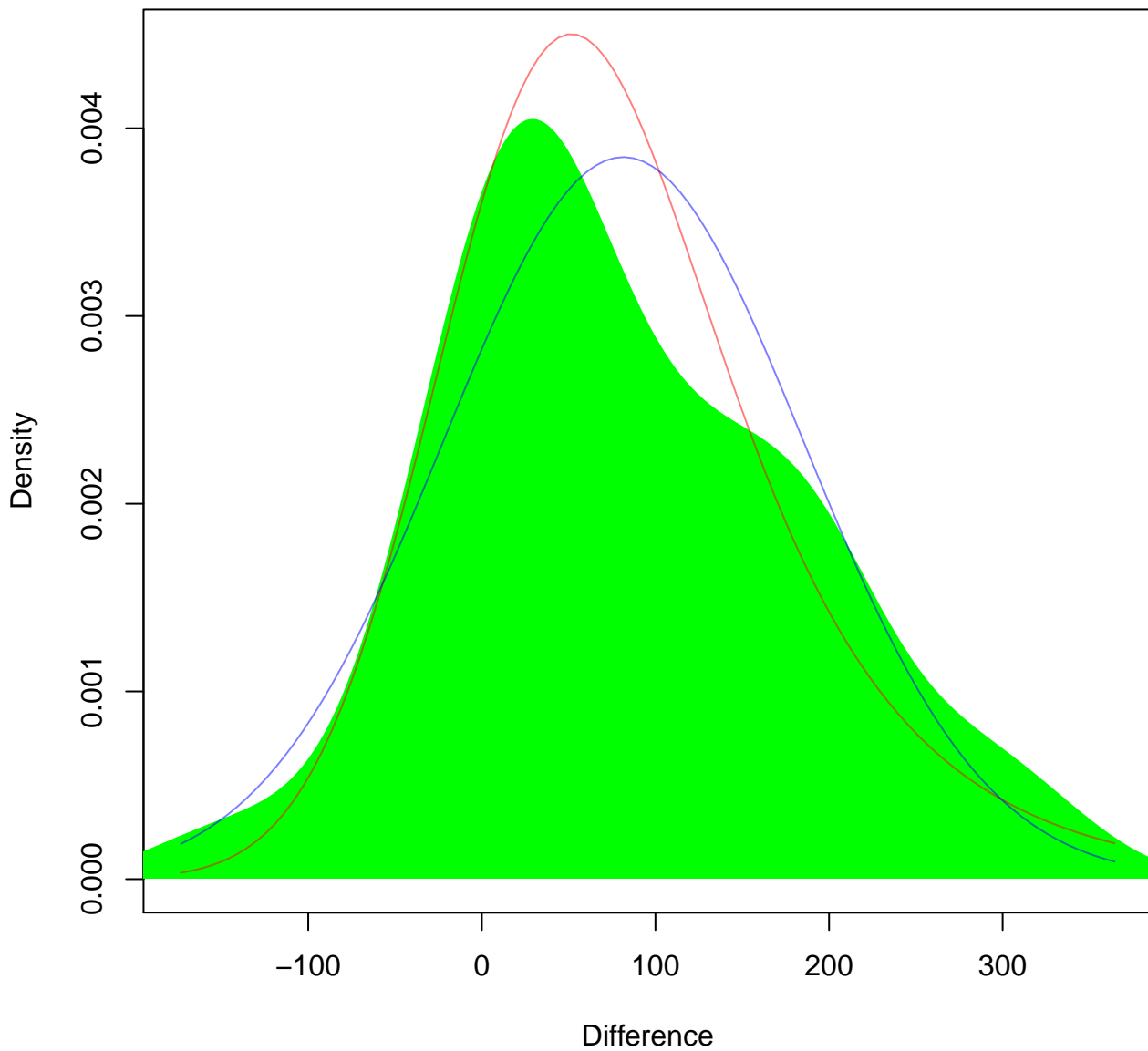
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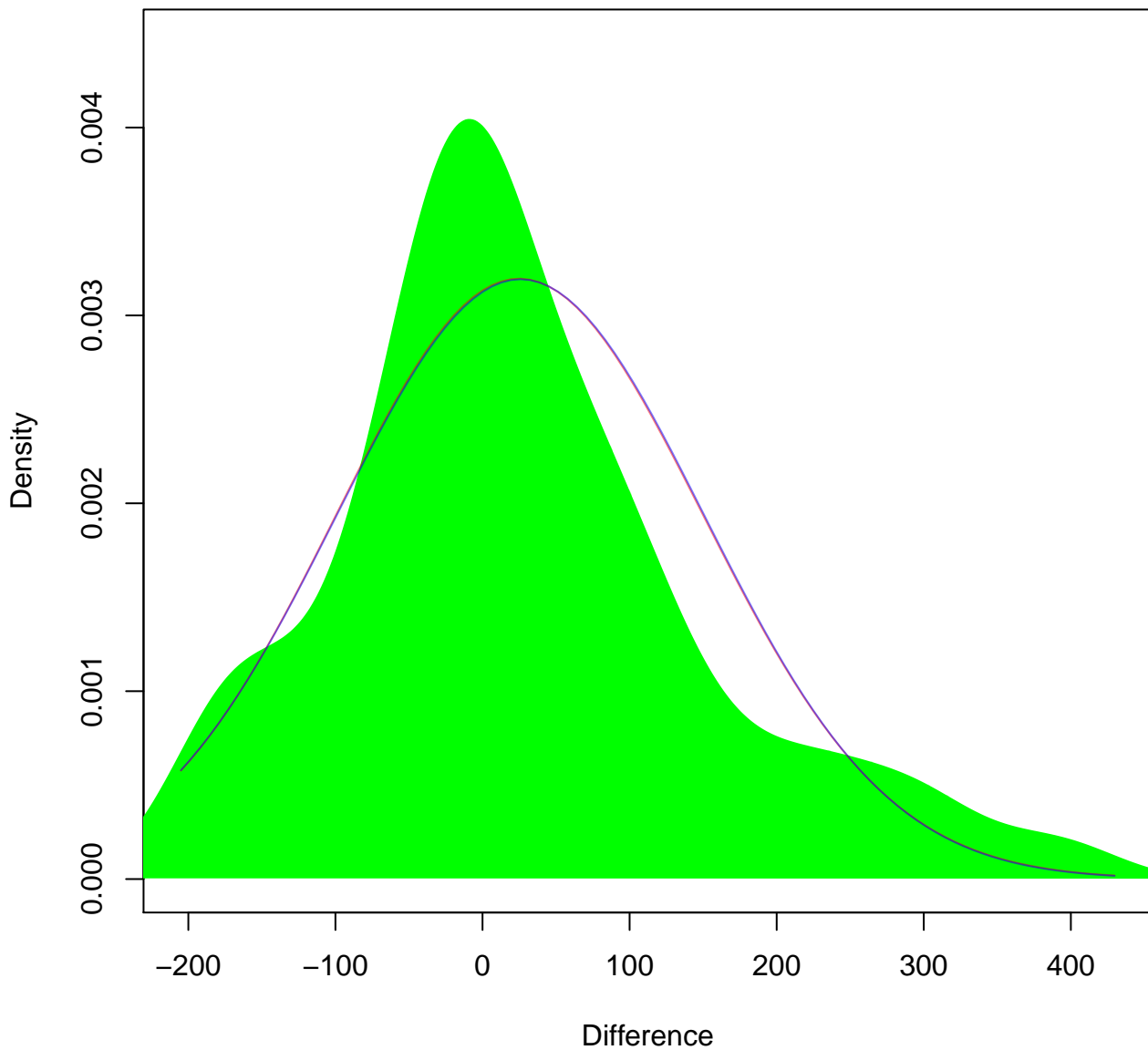
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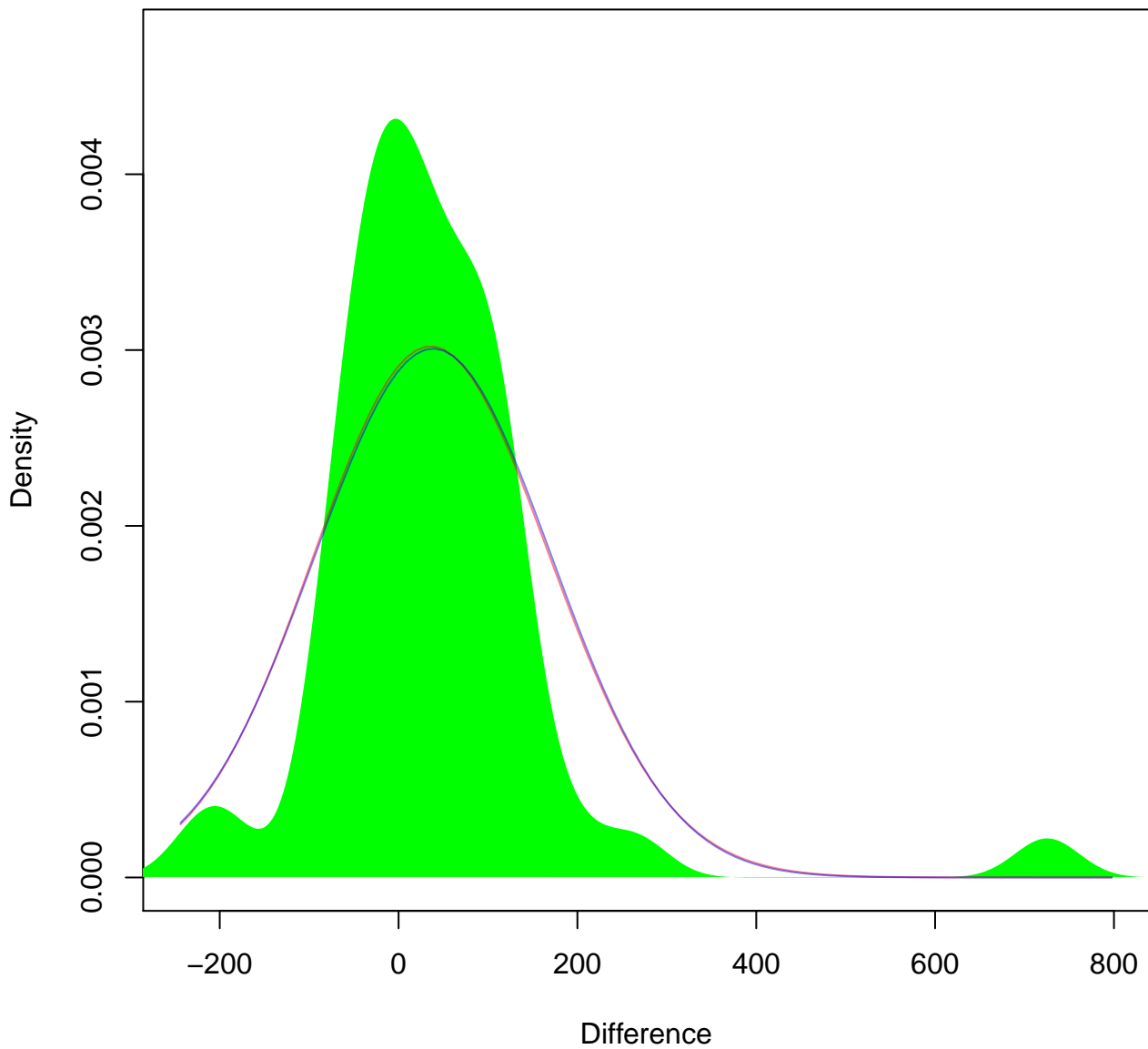
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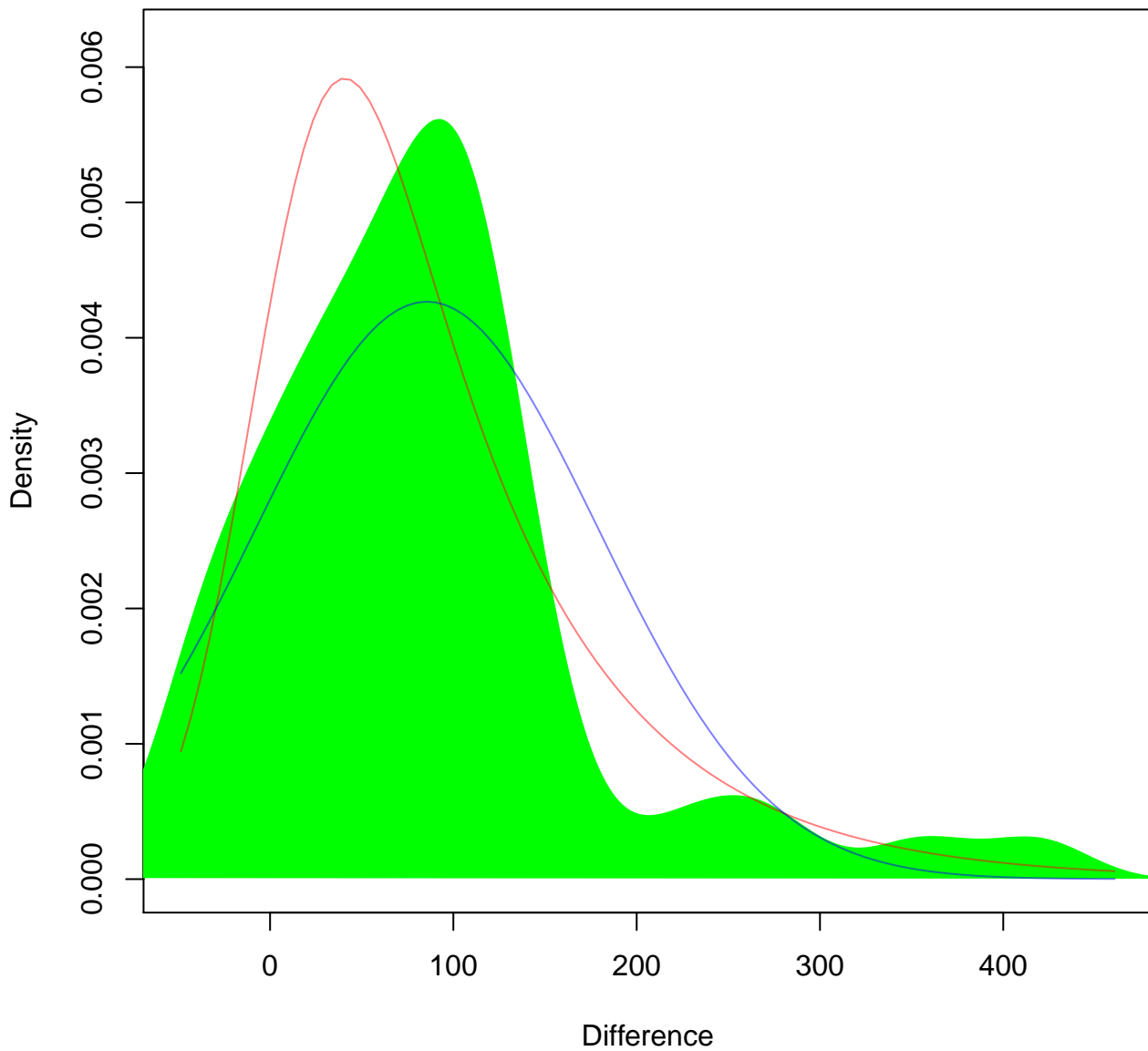
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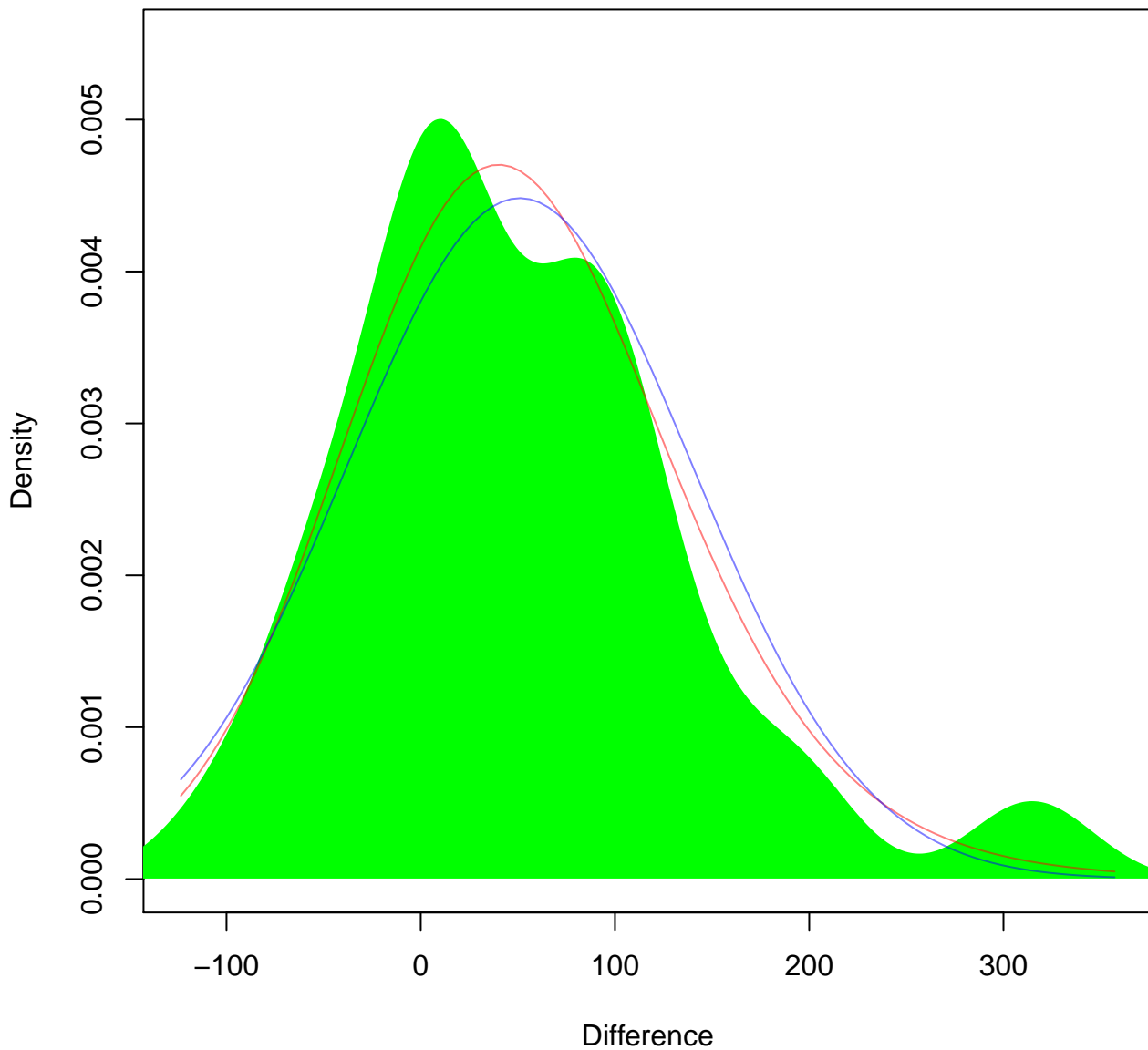


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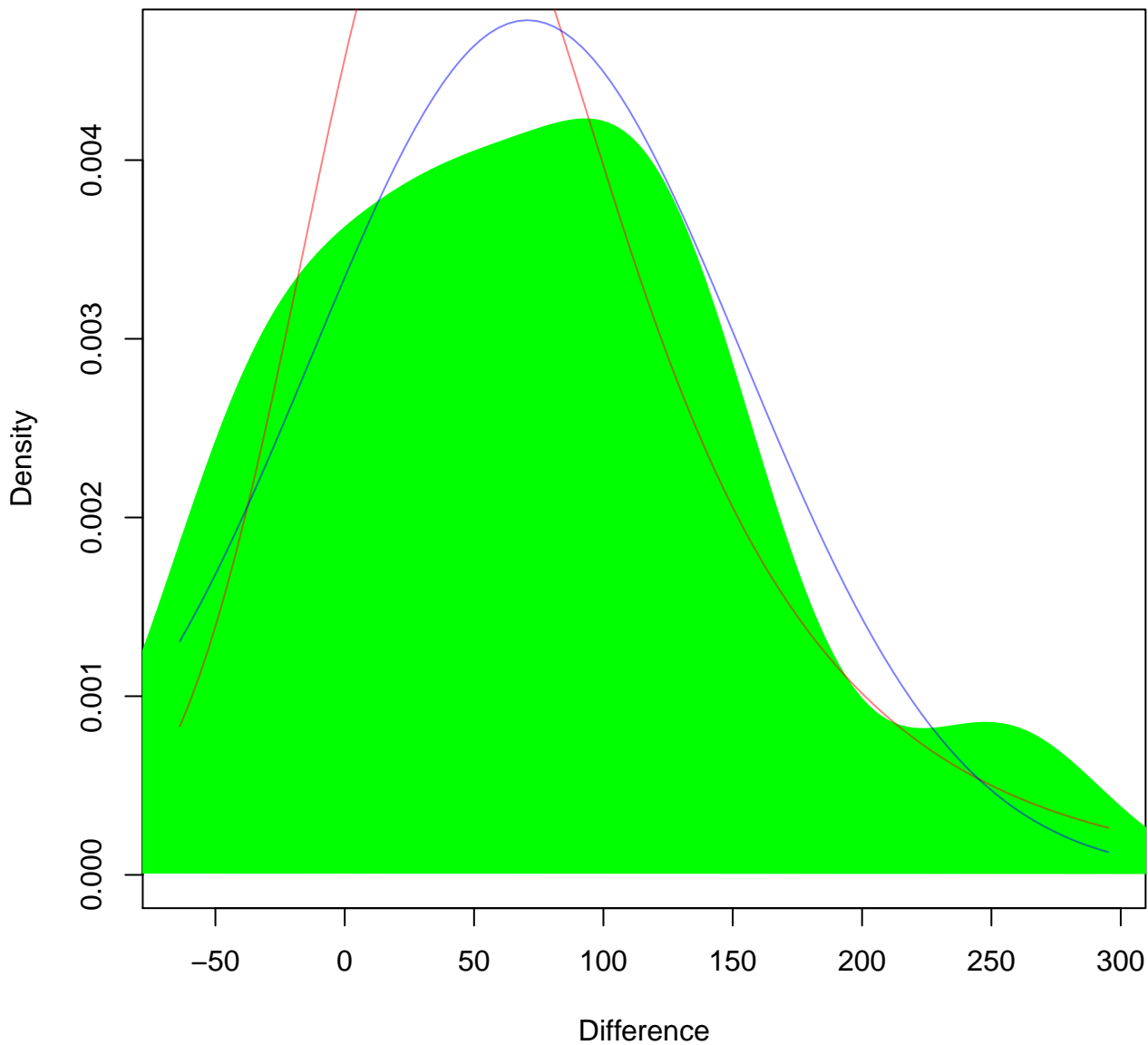


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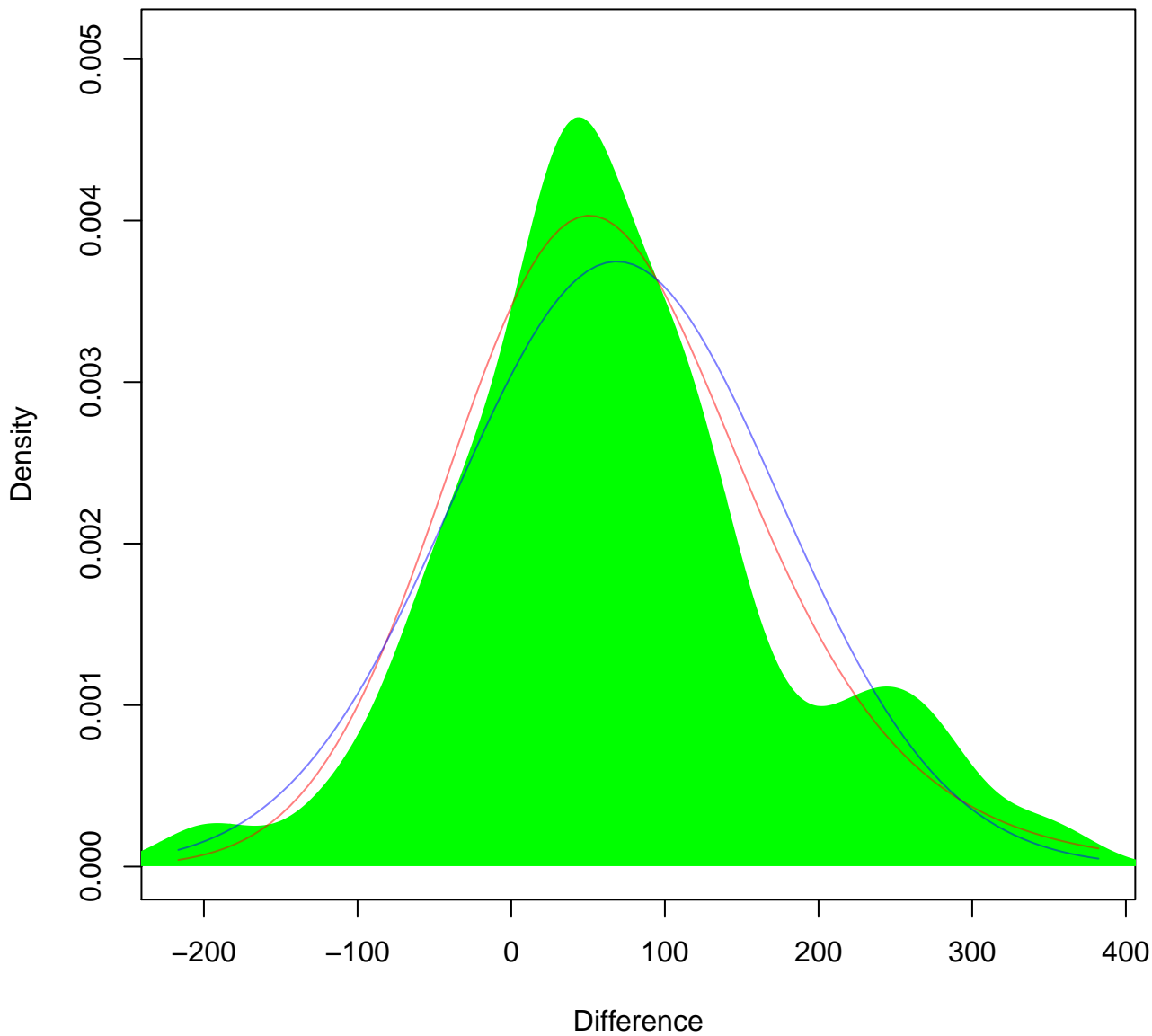




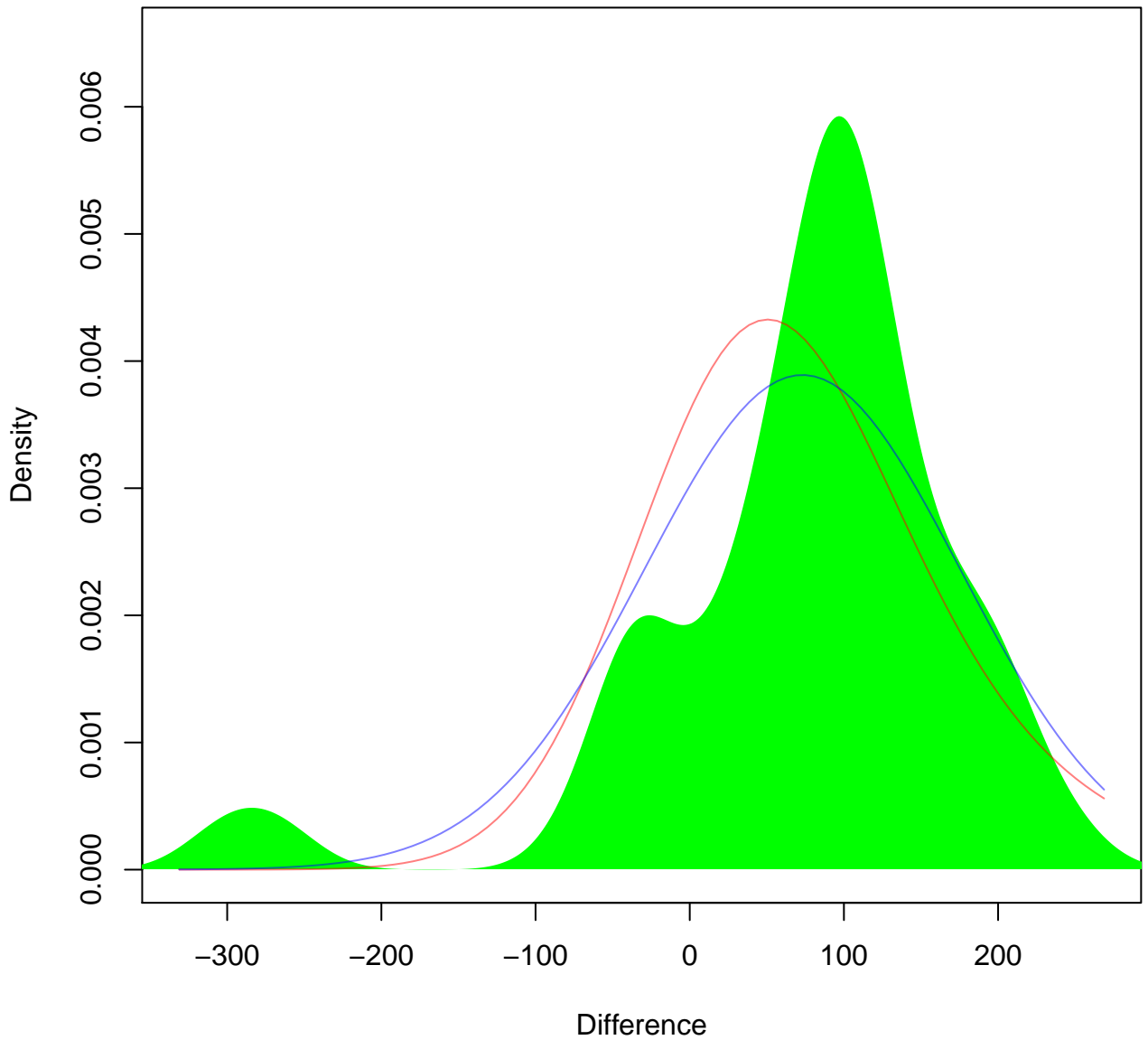
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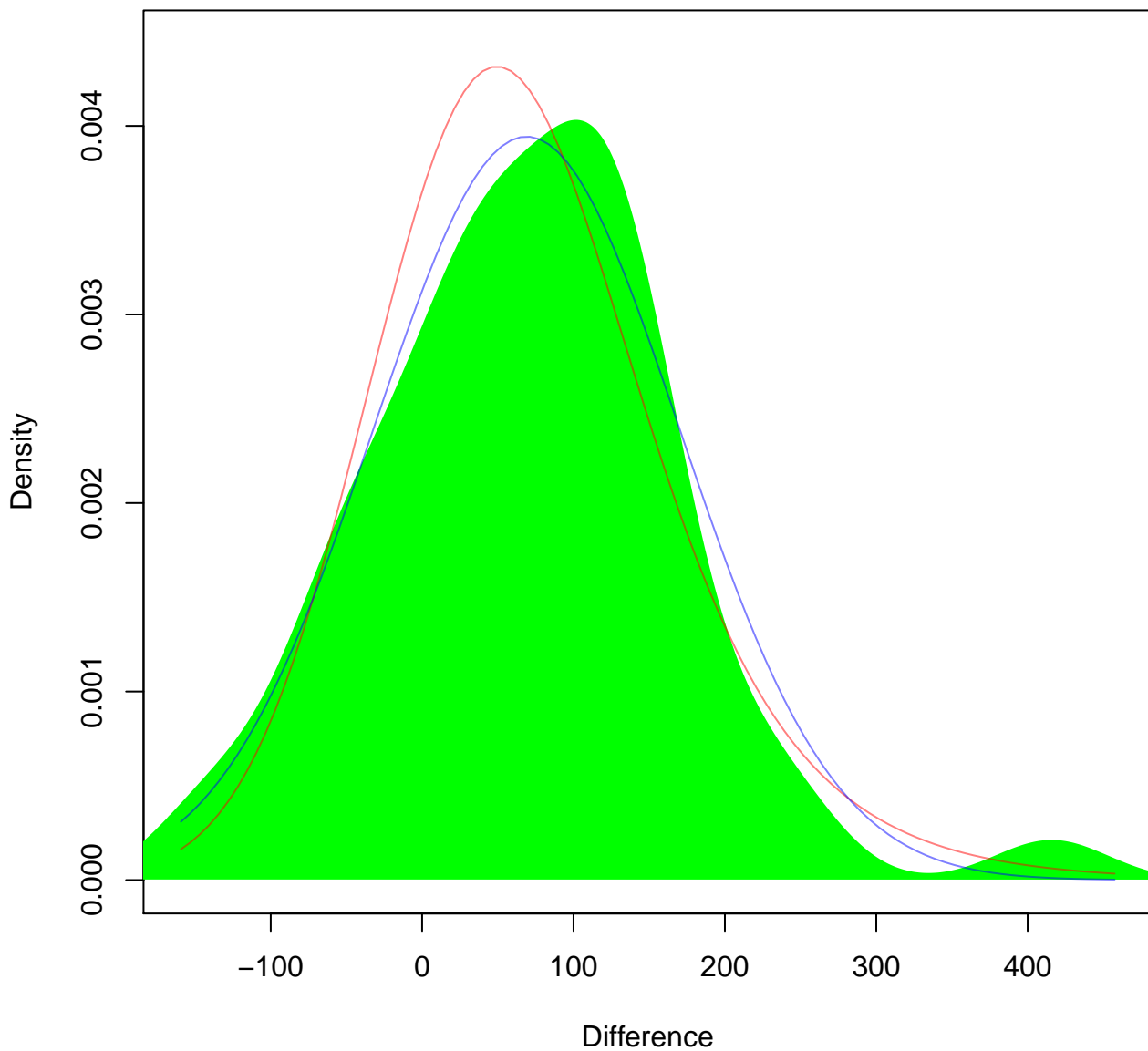
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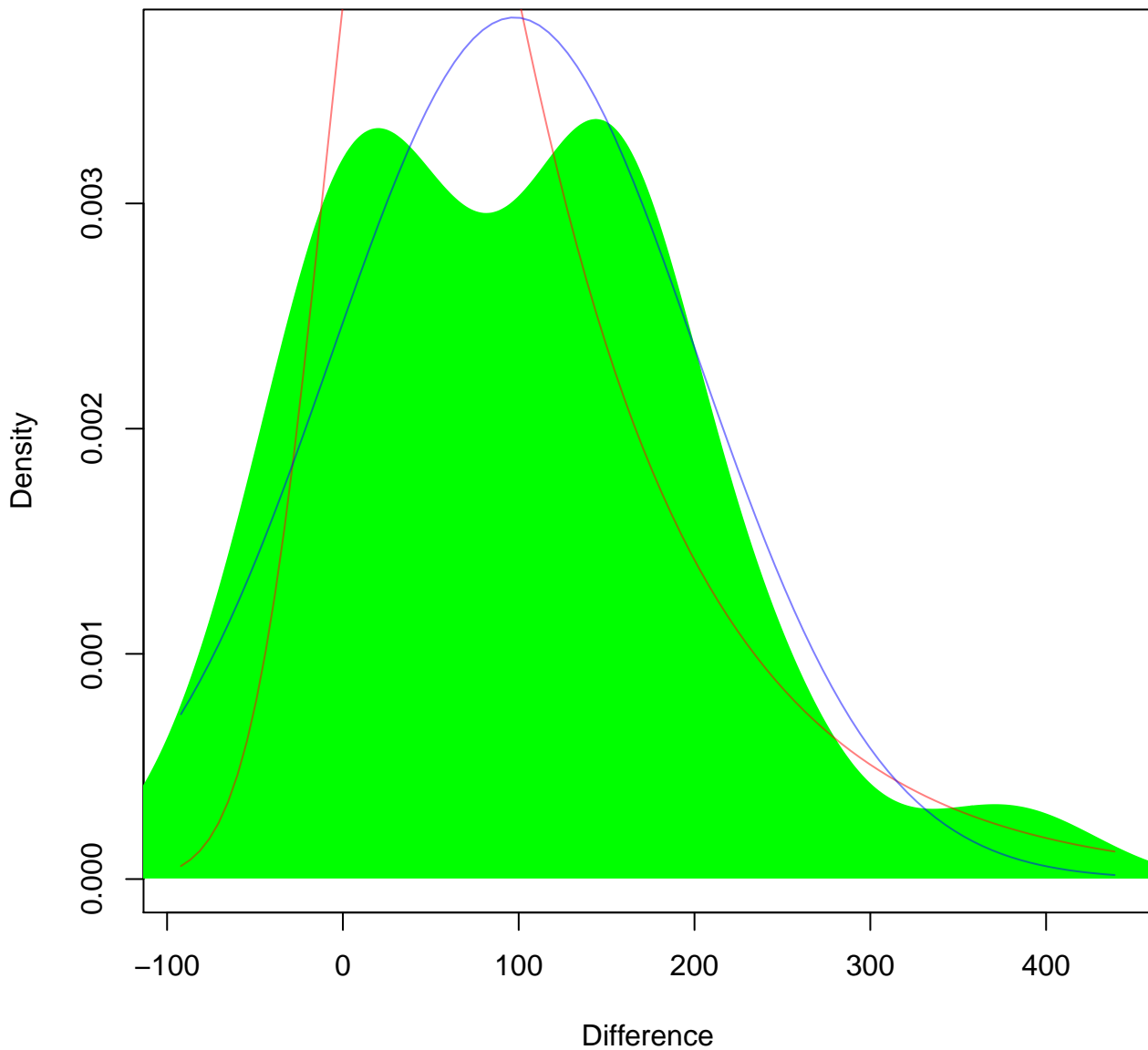
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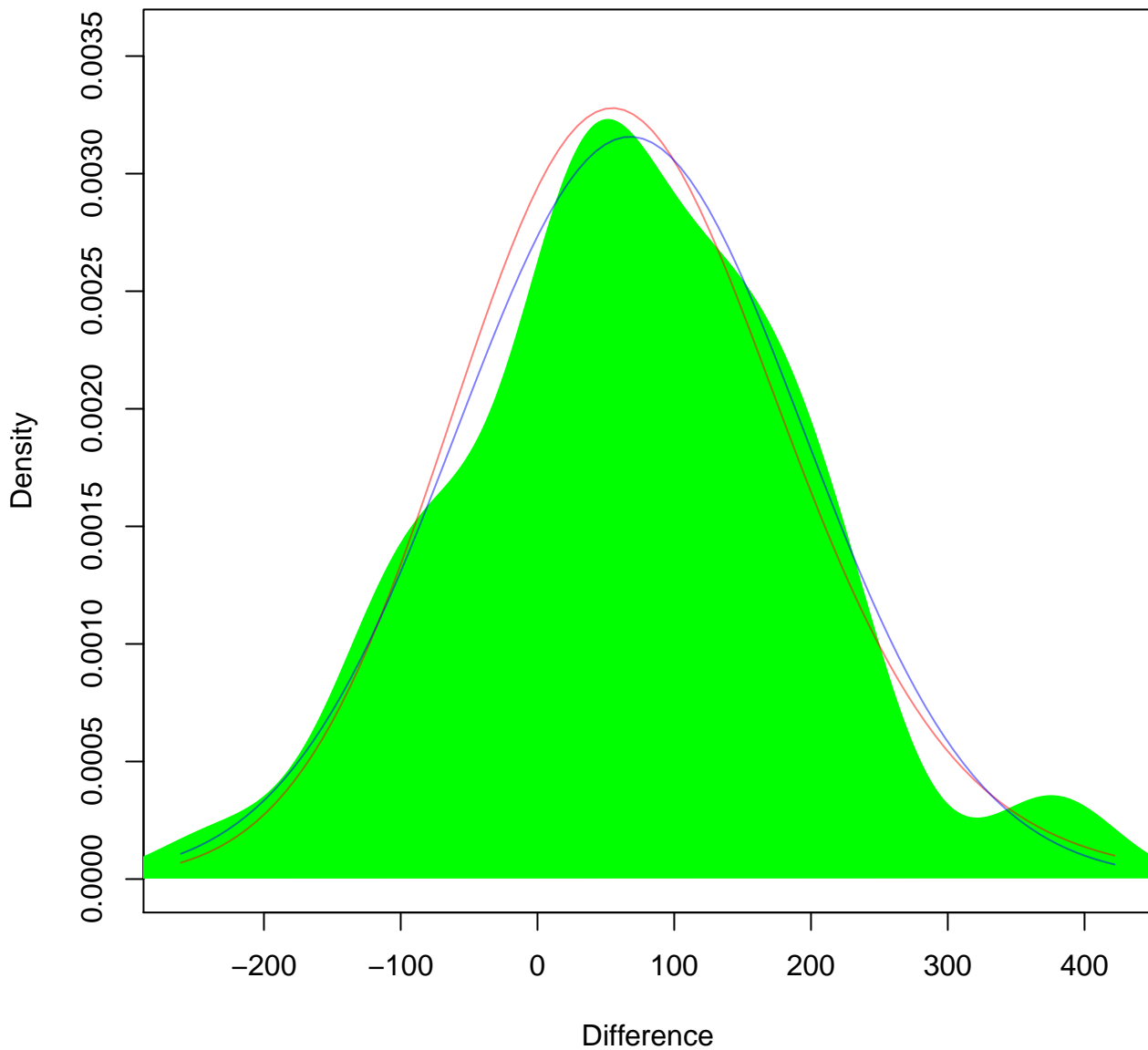
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Overall

