

[1] "Simulated w/ latency 1"

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: Is.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

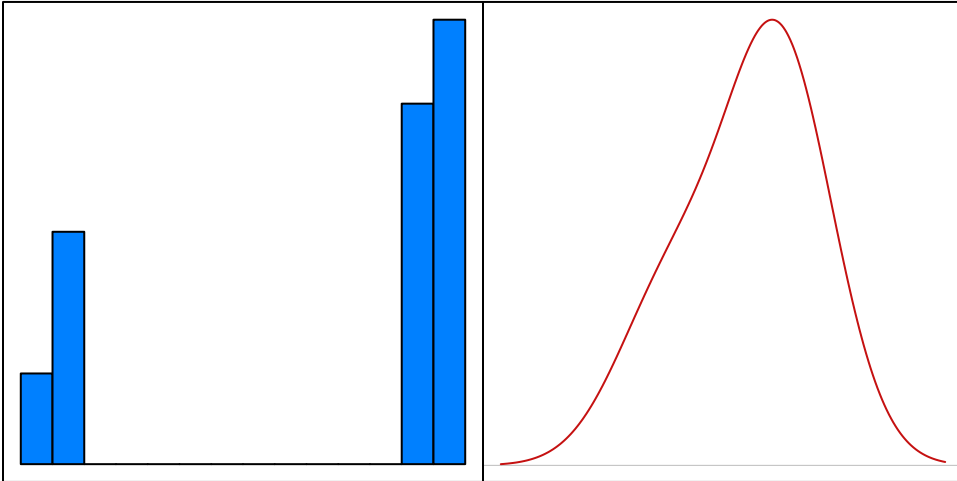
[1] "AIC: 2990.03051601946, null AIC: 2996.48375391046"

[2] "p-value: 0.00364394123611389"

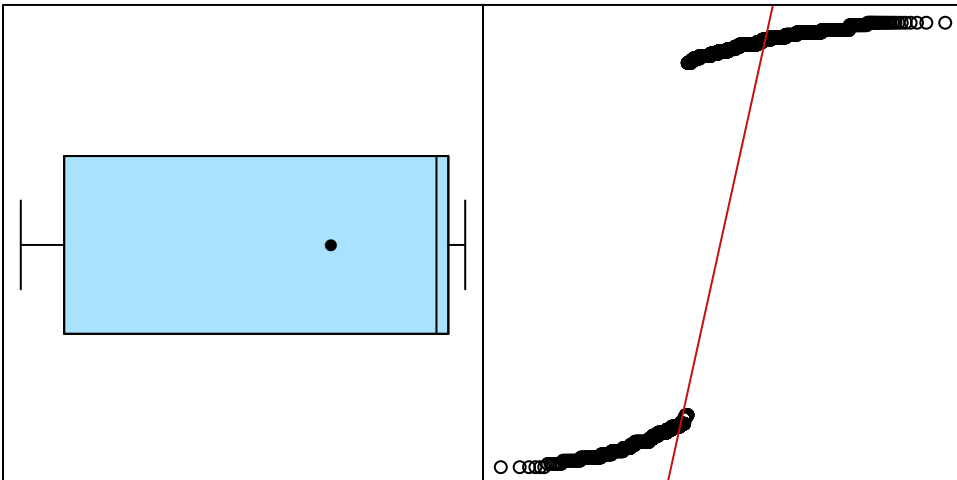
[3] "mean: 0.716666870309521"

EXPLORATORY DATA ANALYSIS

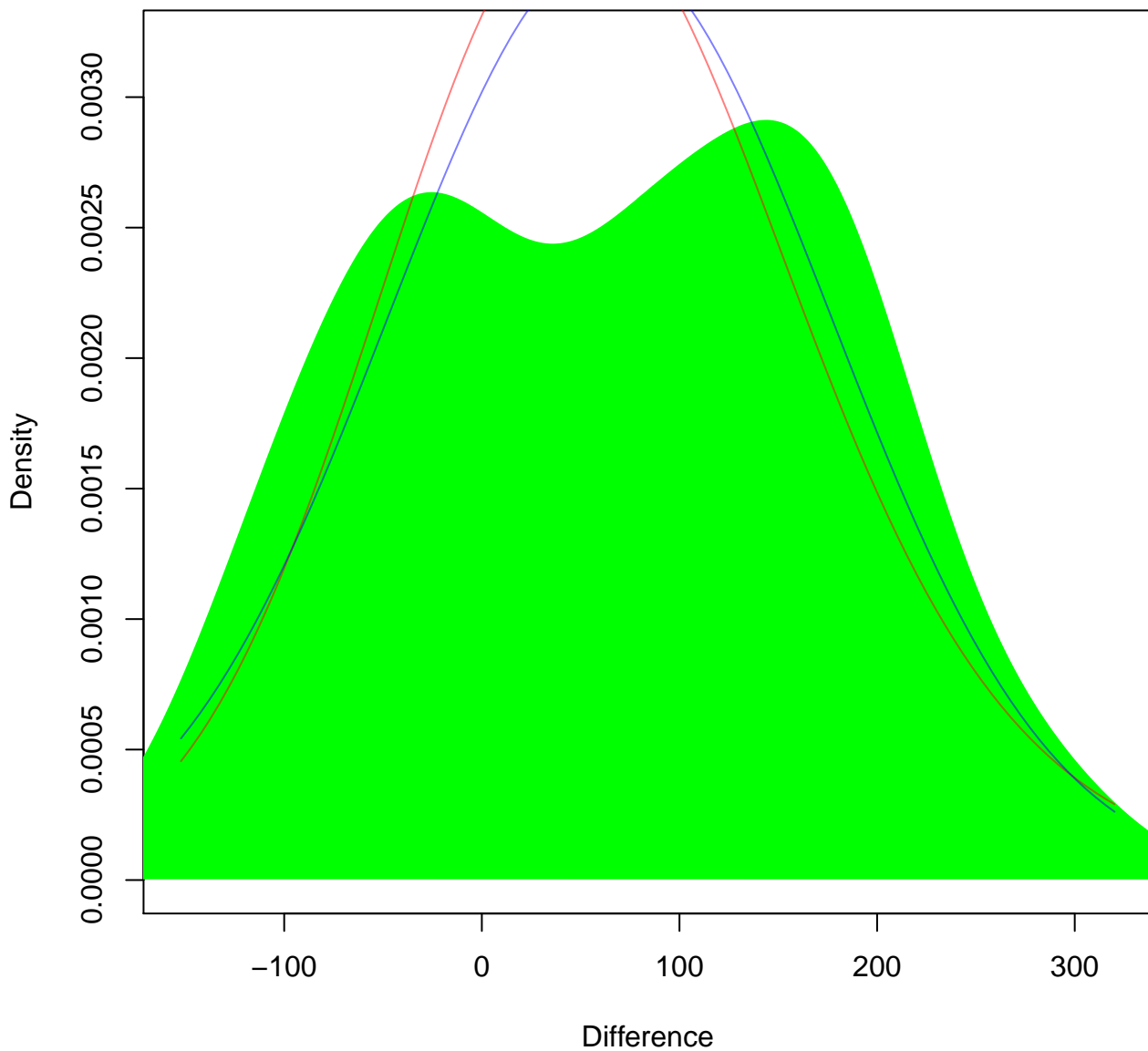
histogram of resid(bin.glme.test) Density of resid(bin.glme.test)



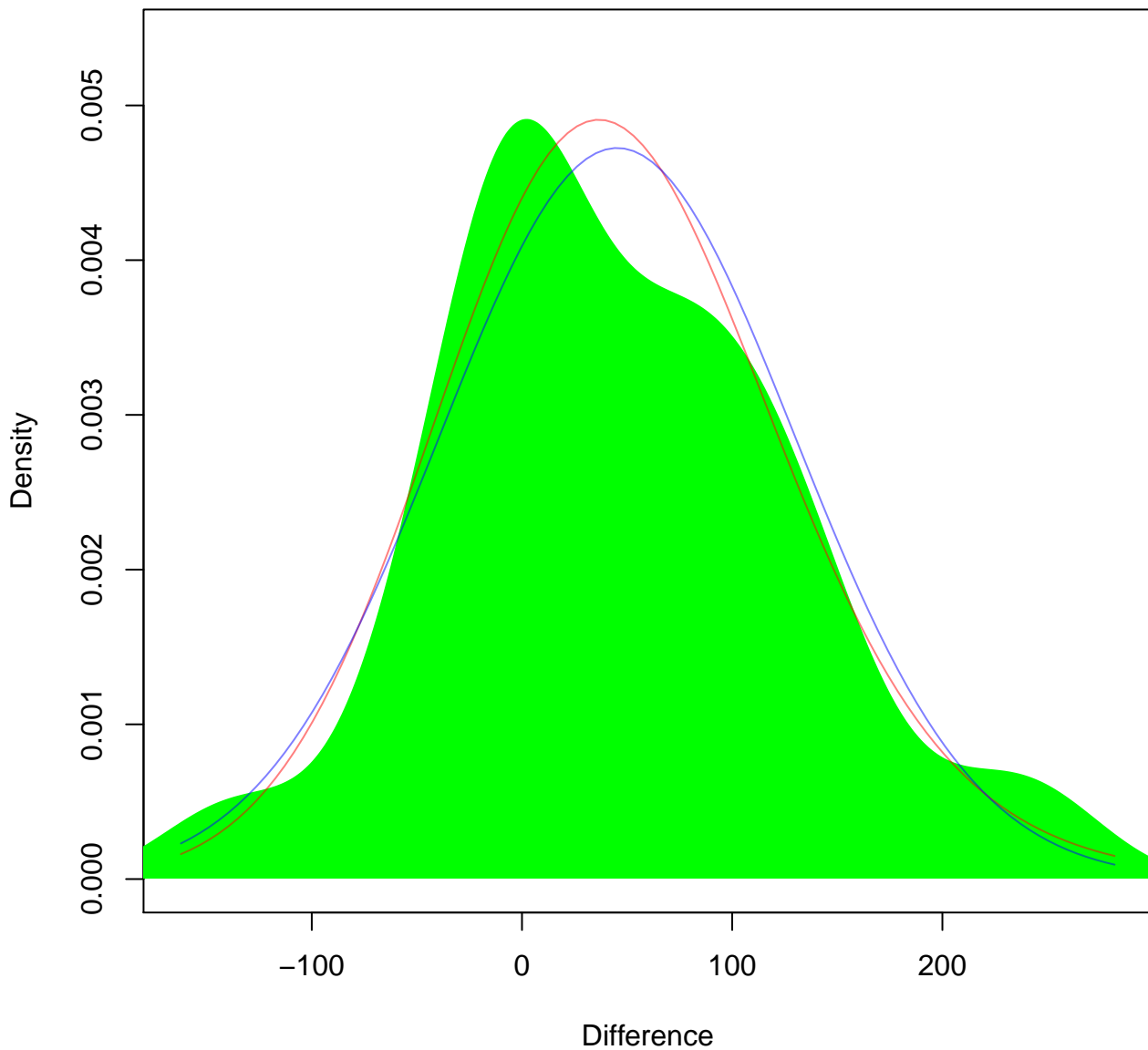
Boxplot of resid(bin.glme.test) Q-Q Plot of resid(bin.glme.test)



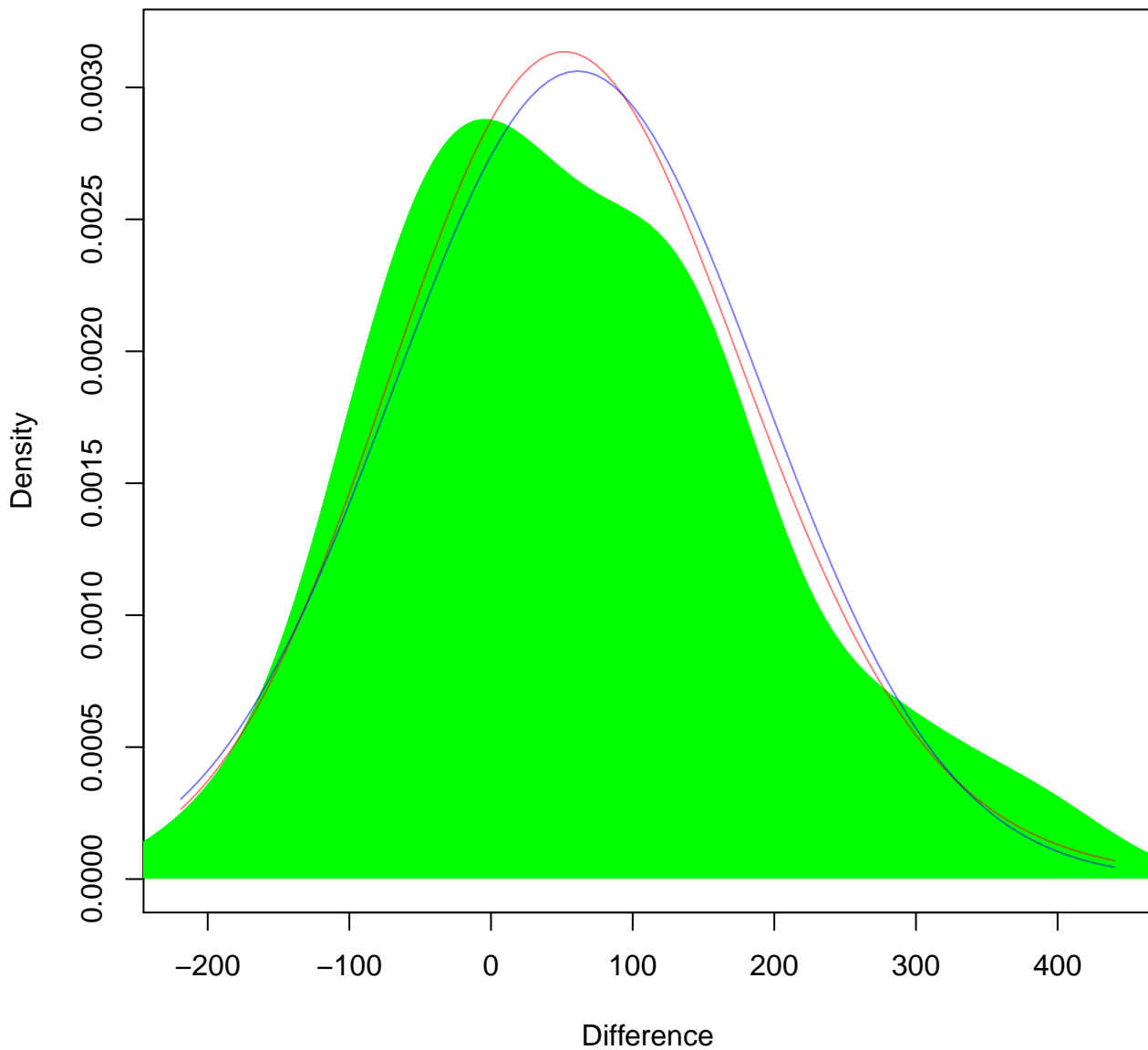
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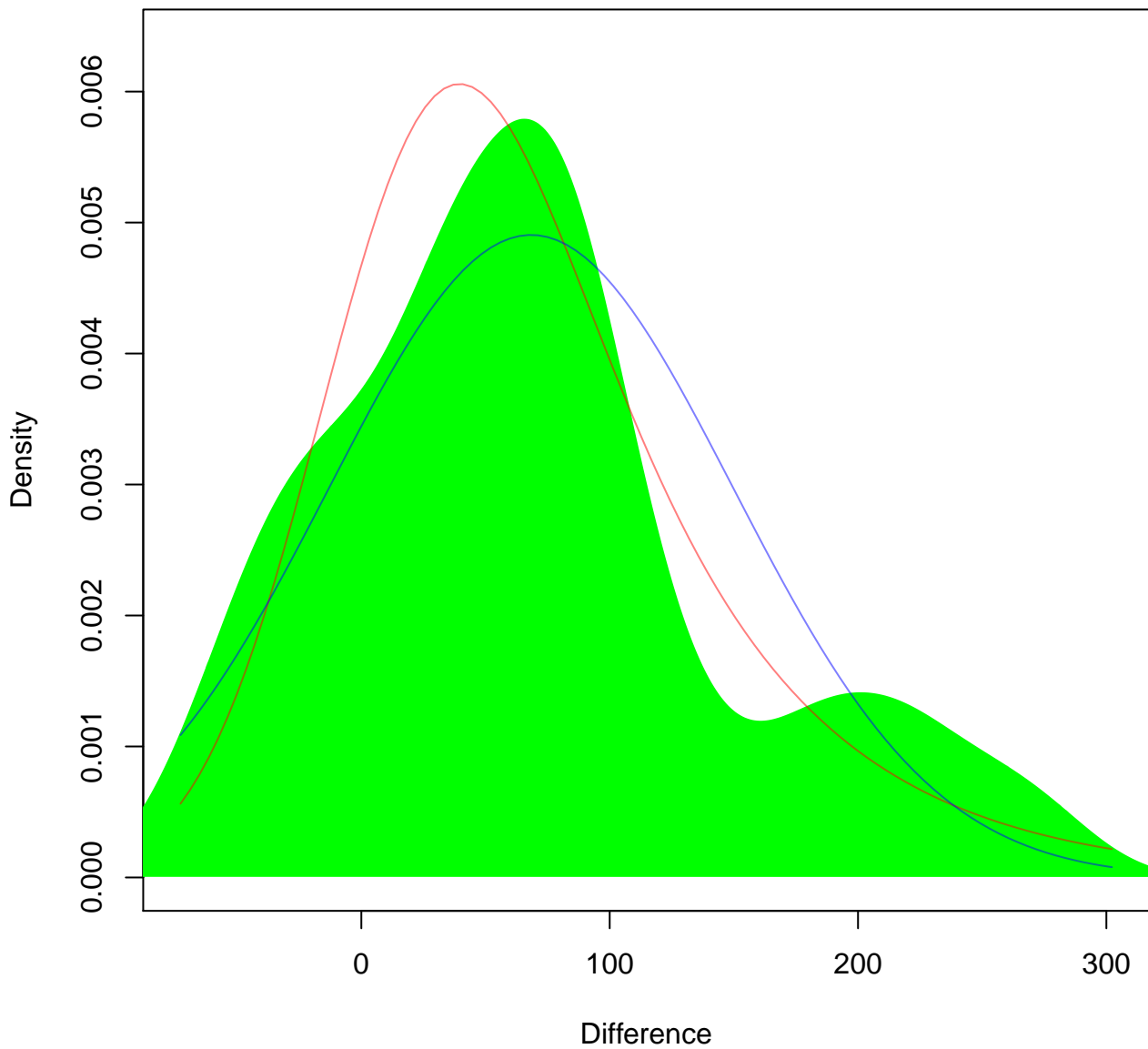
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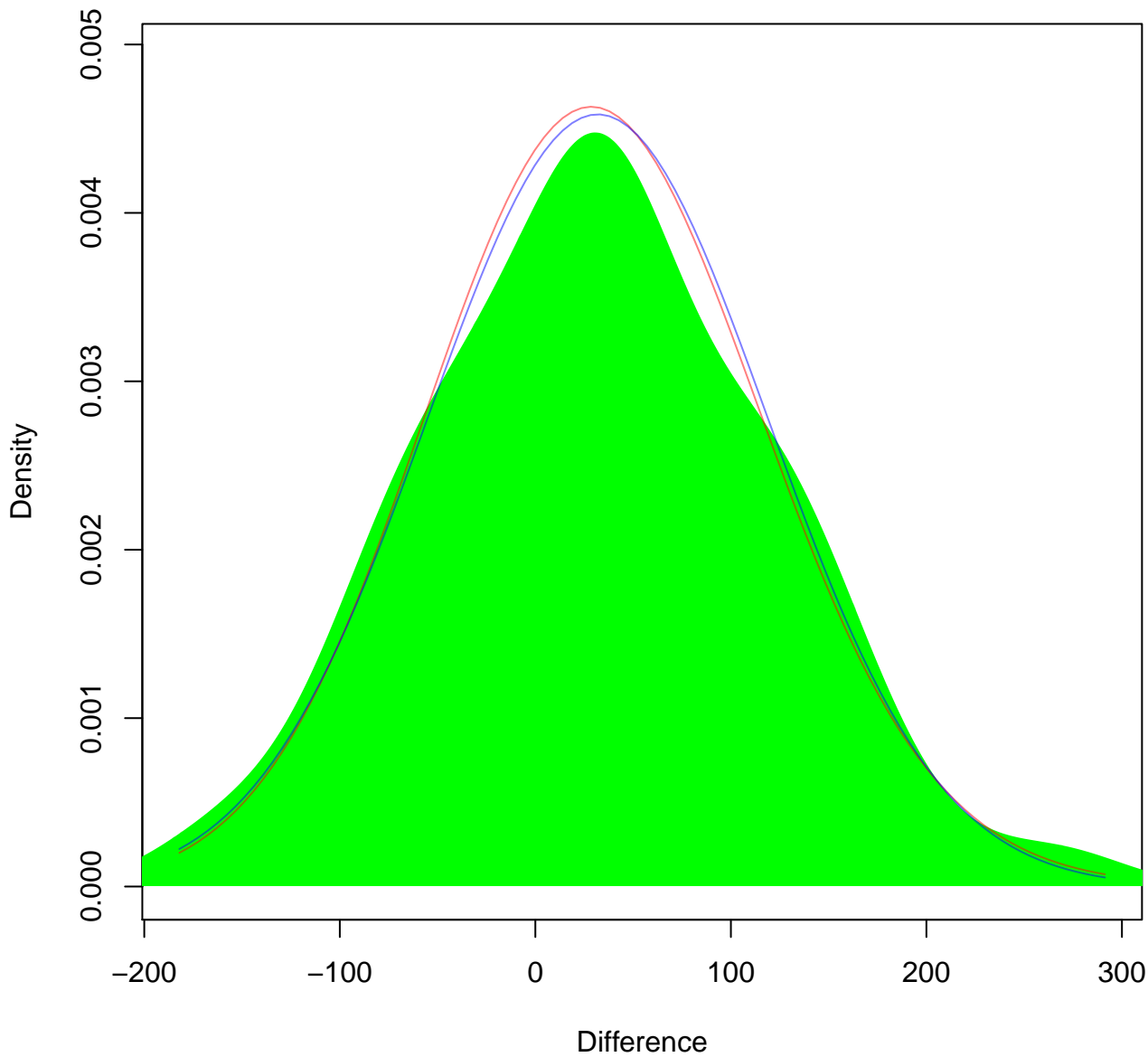
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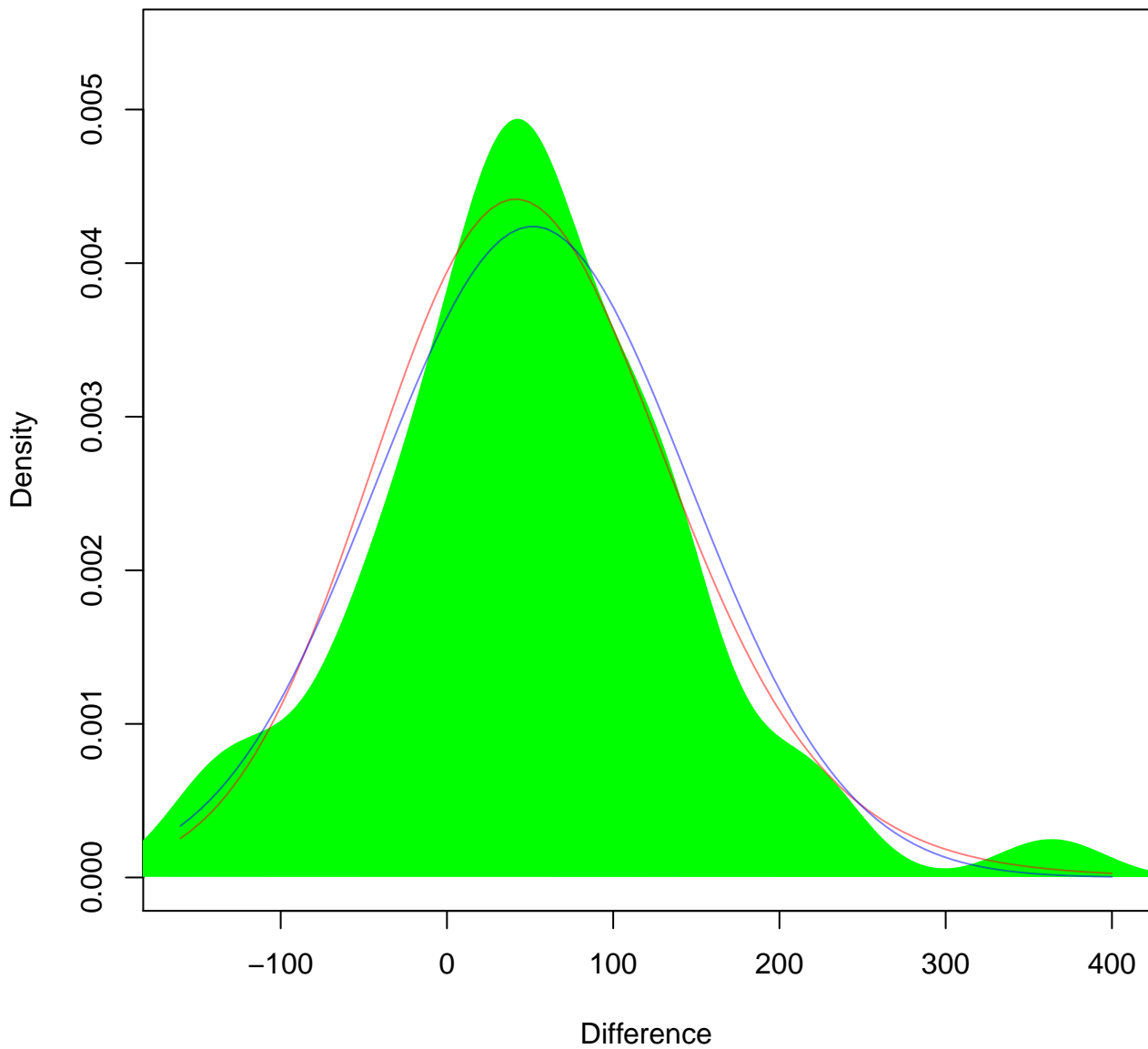
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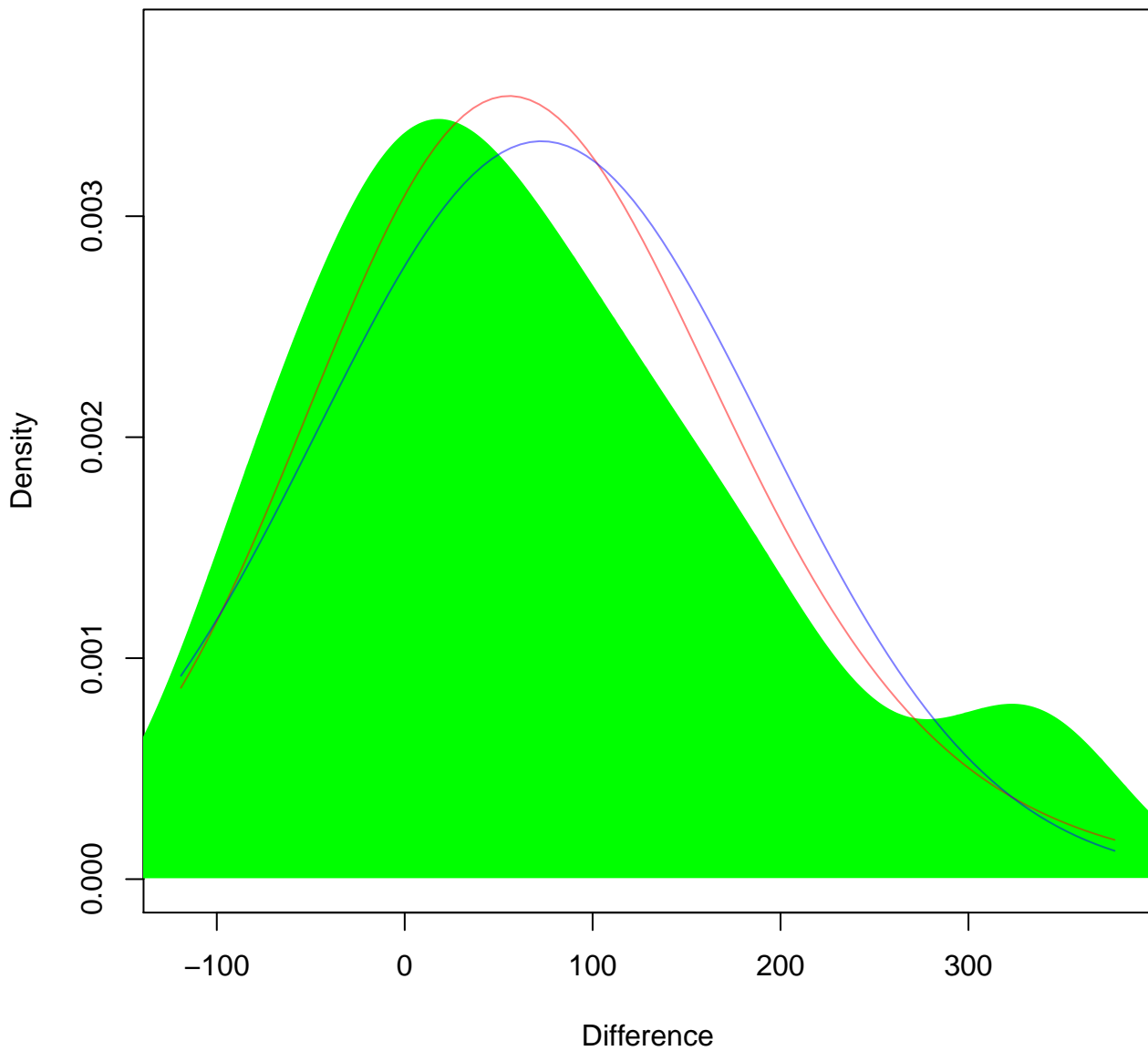
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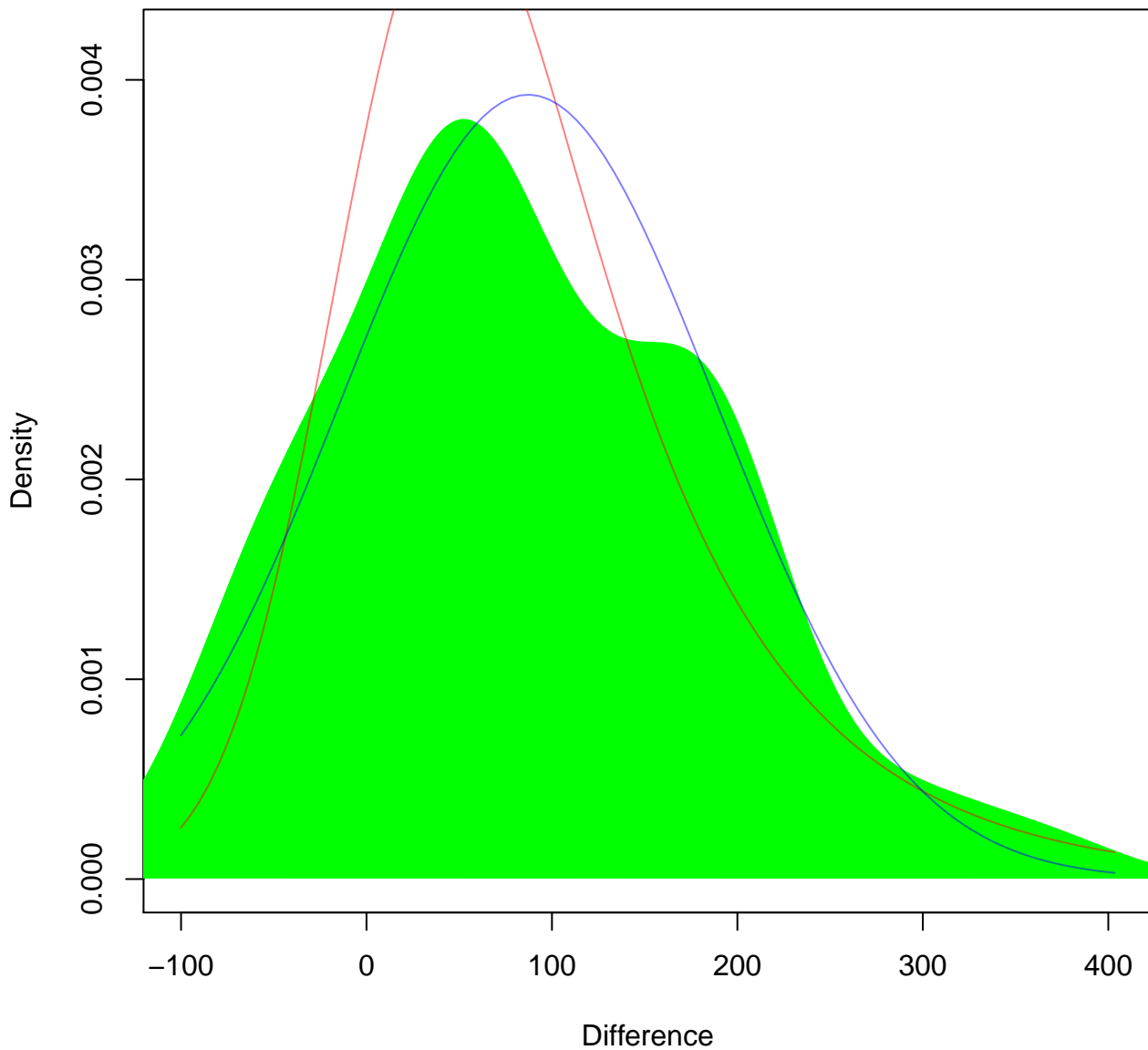
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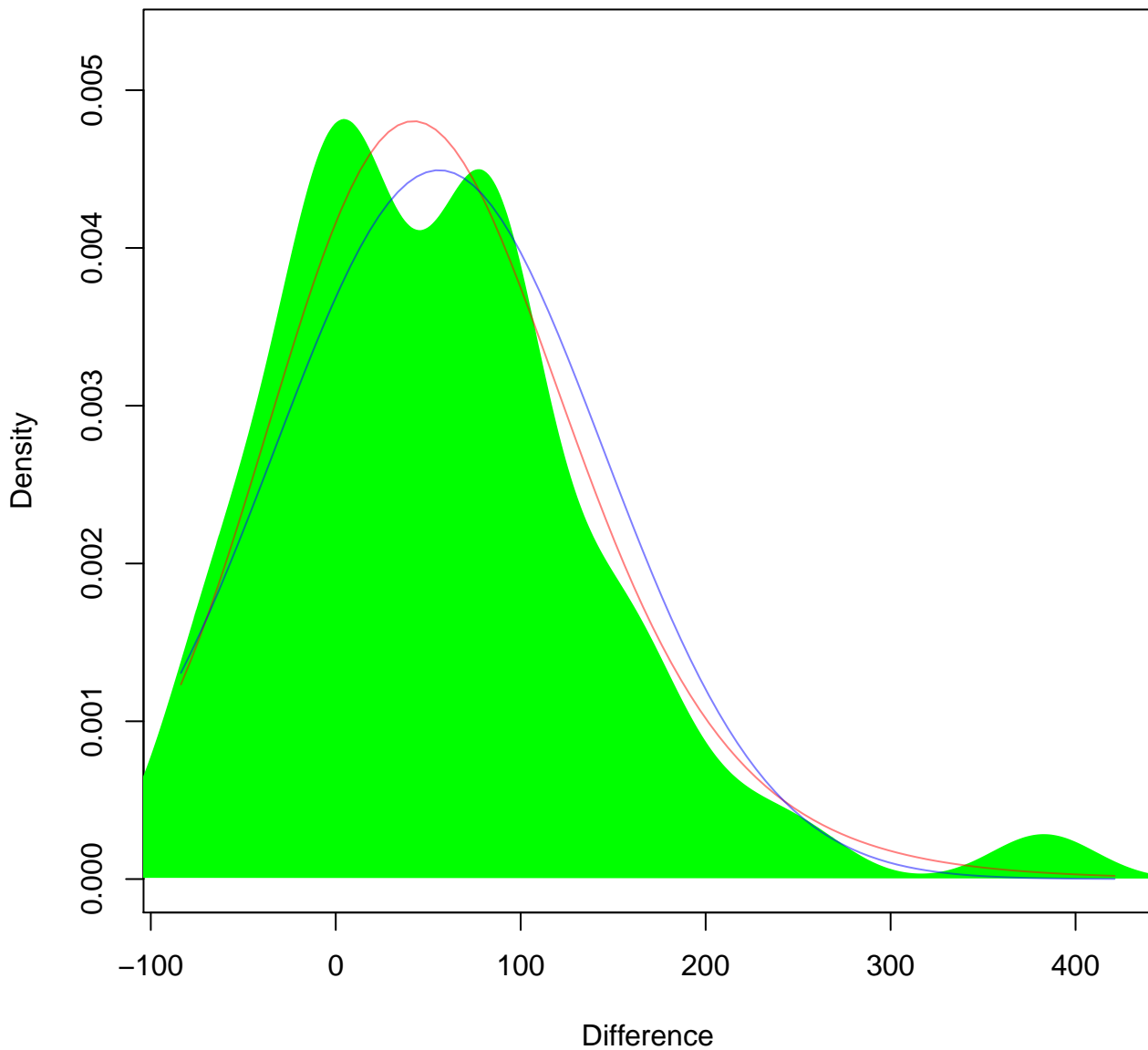


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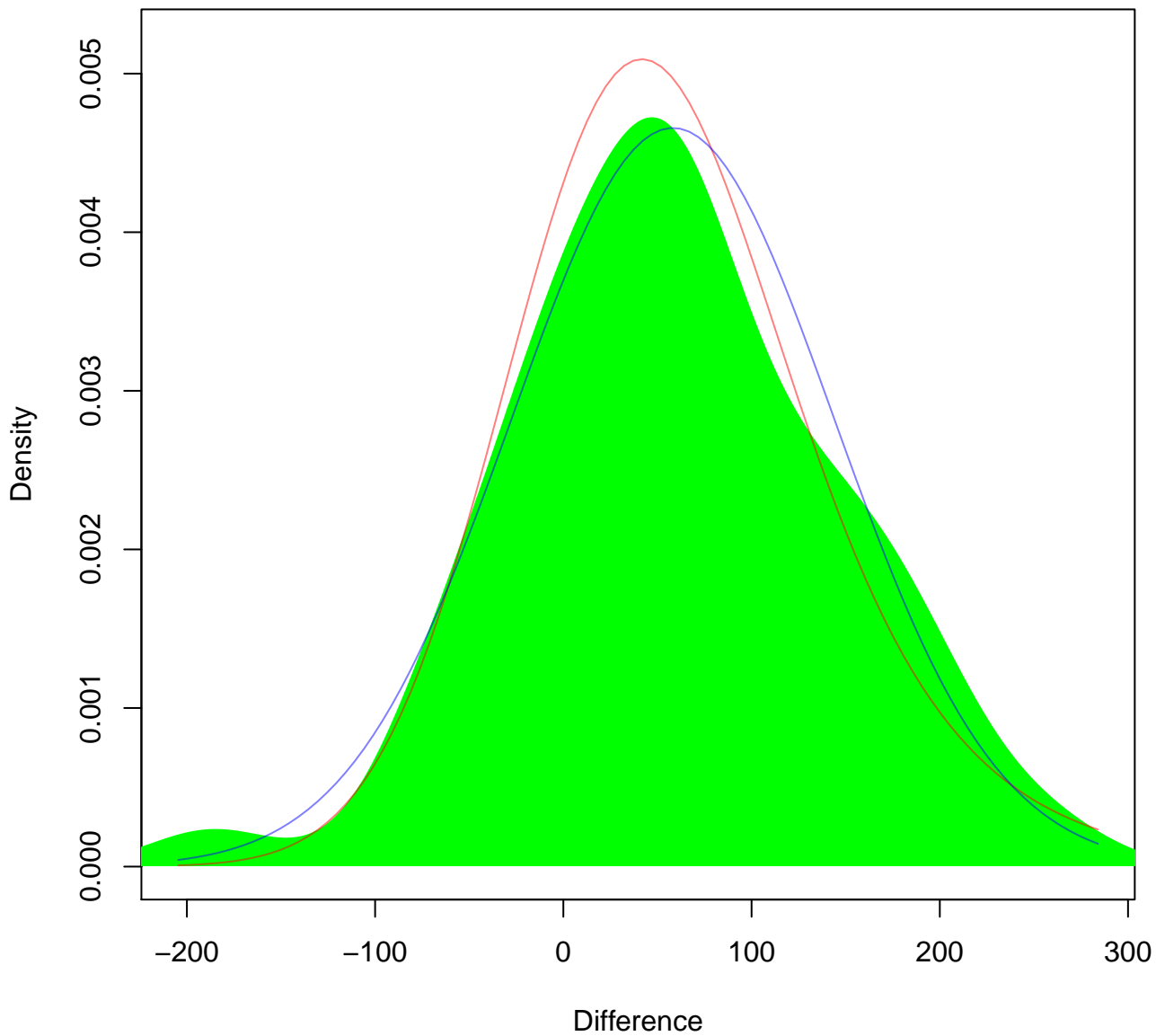


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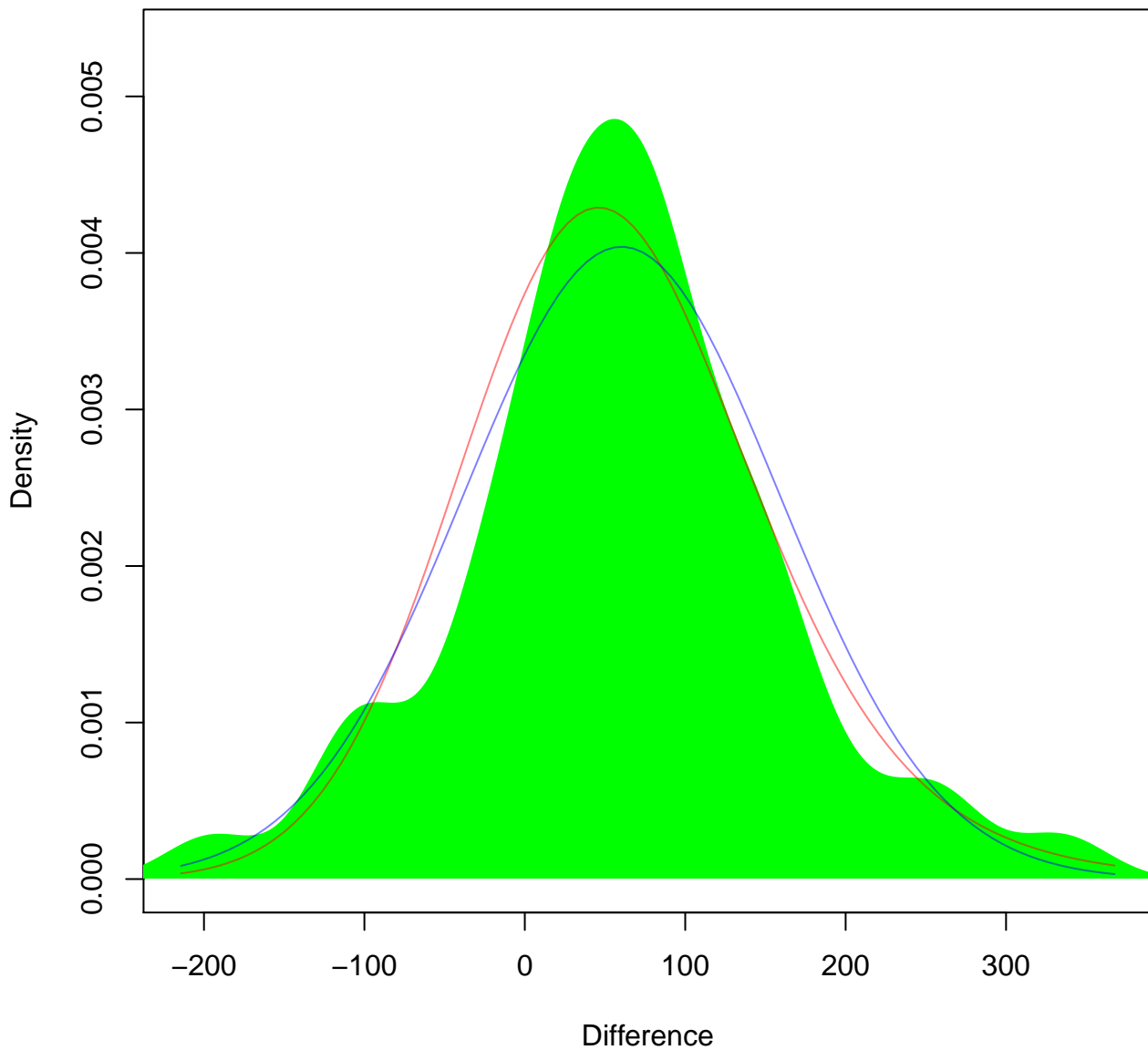




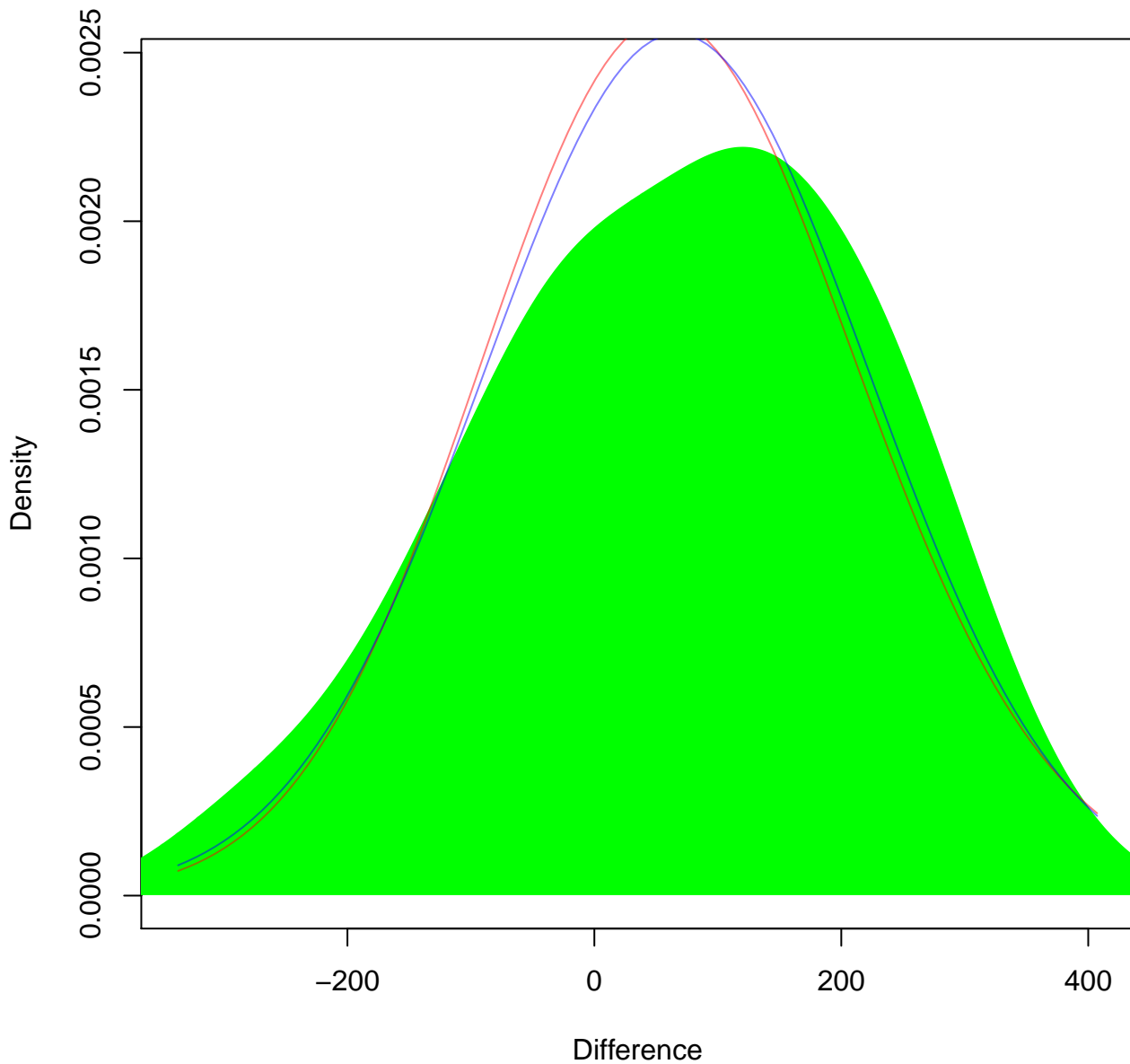
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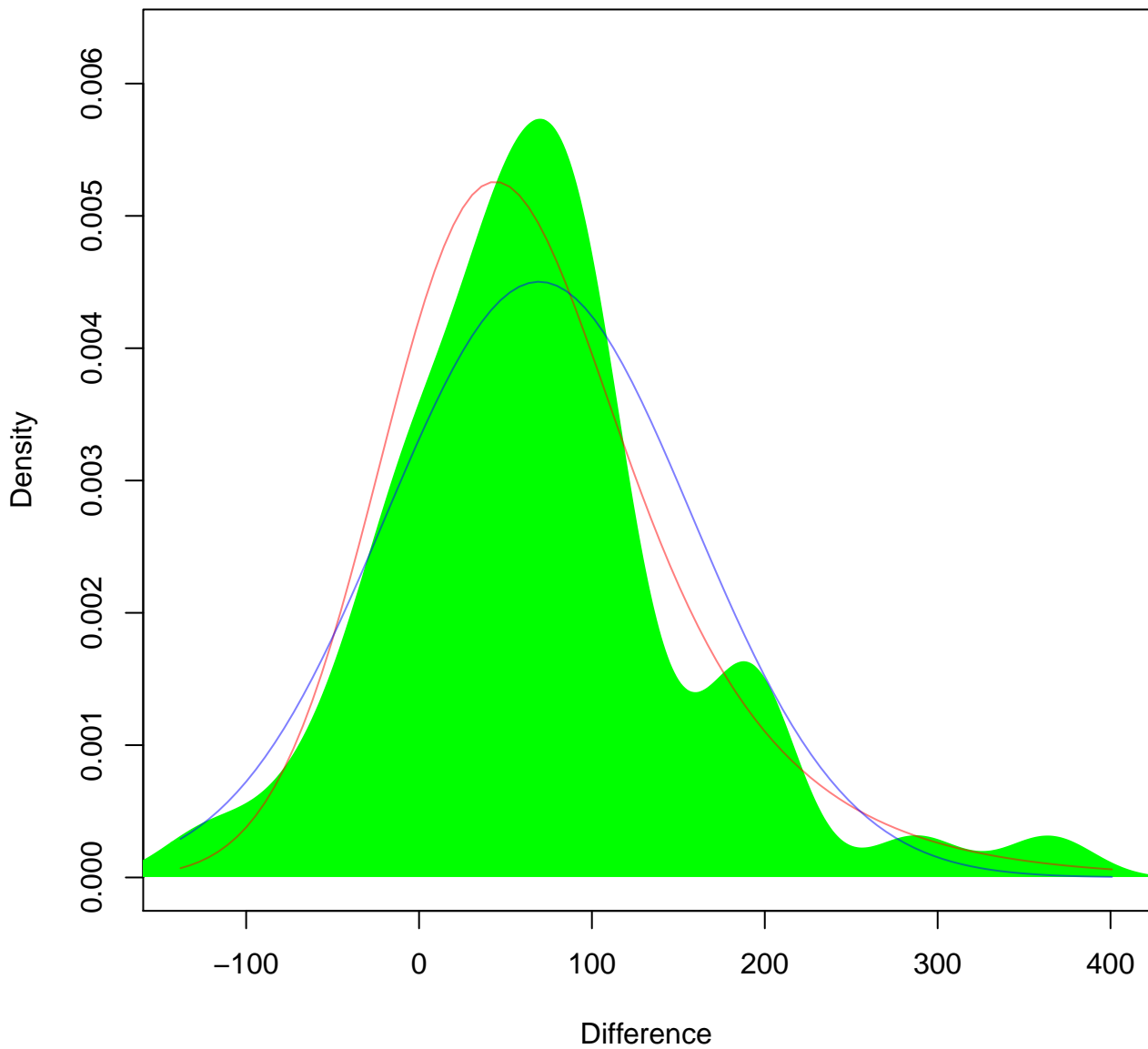
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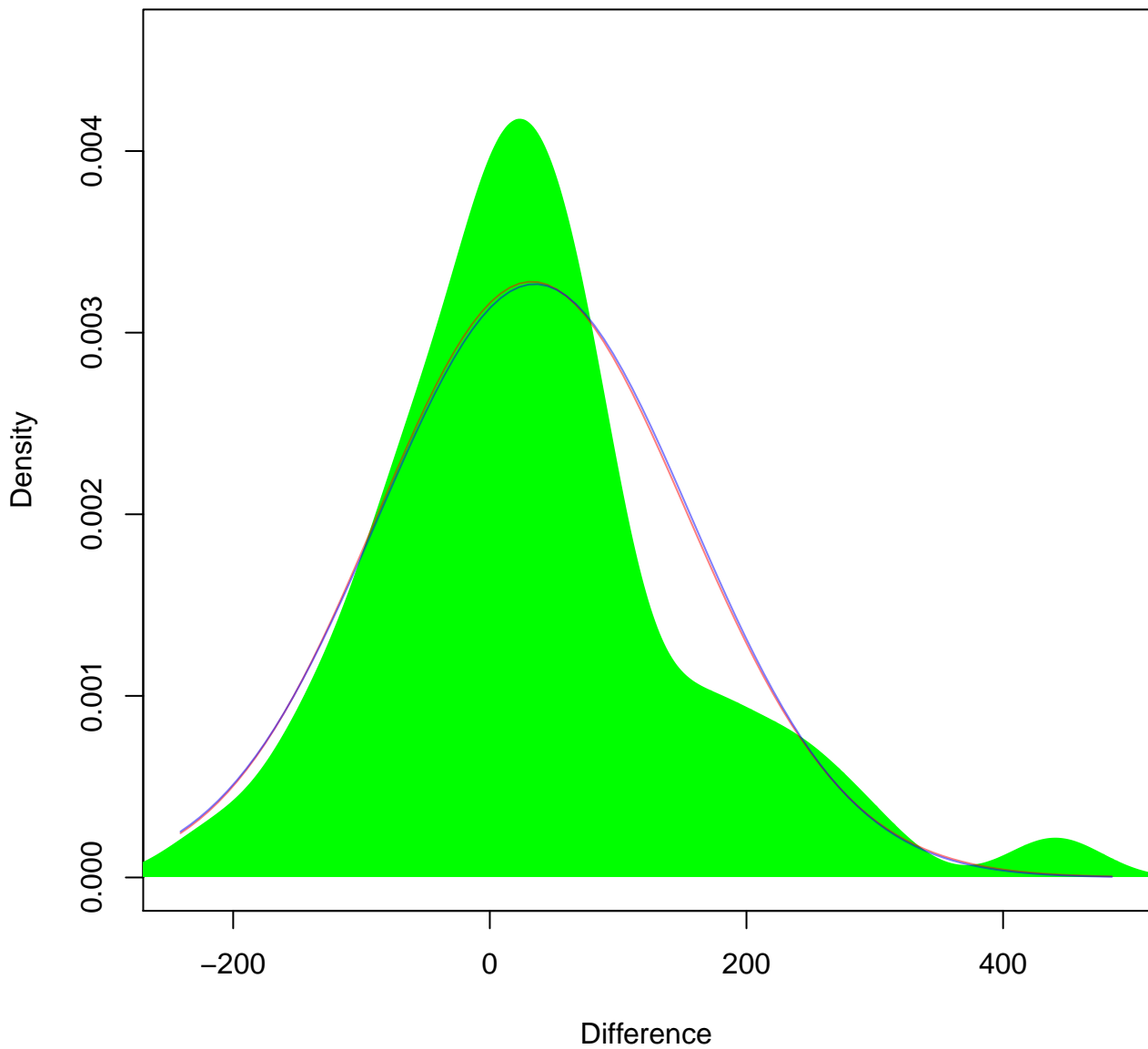
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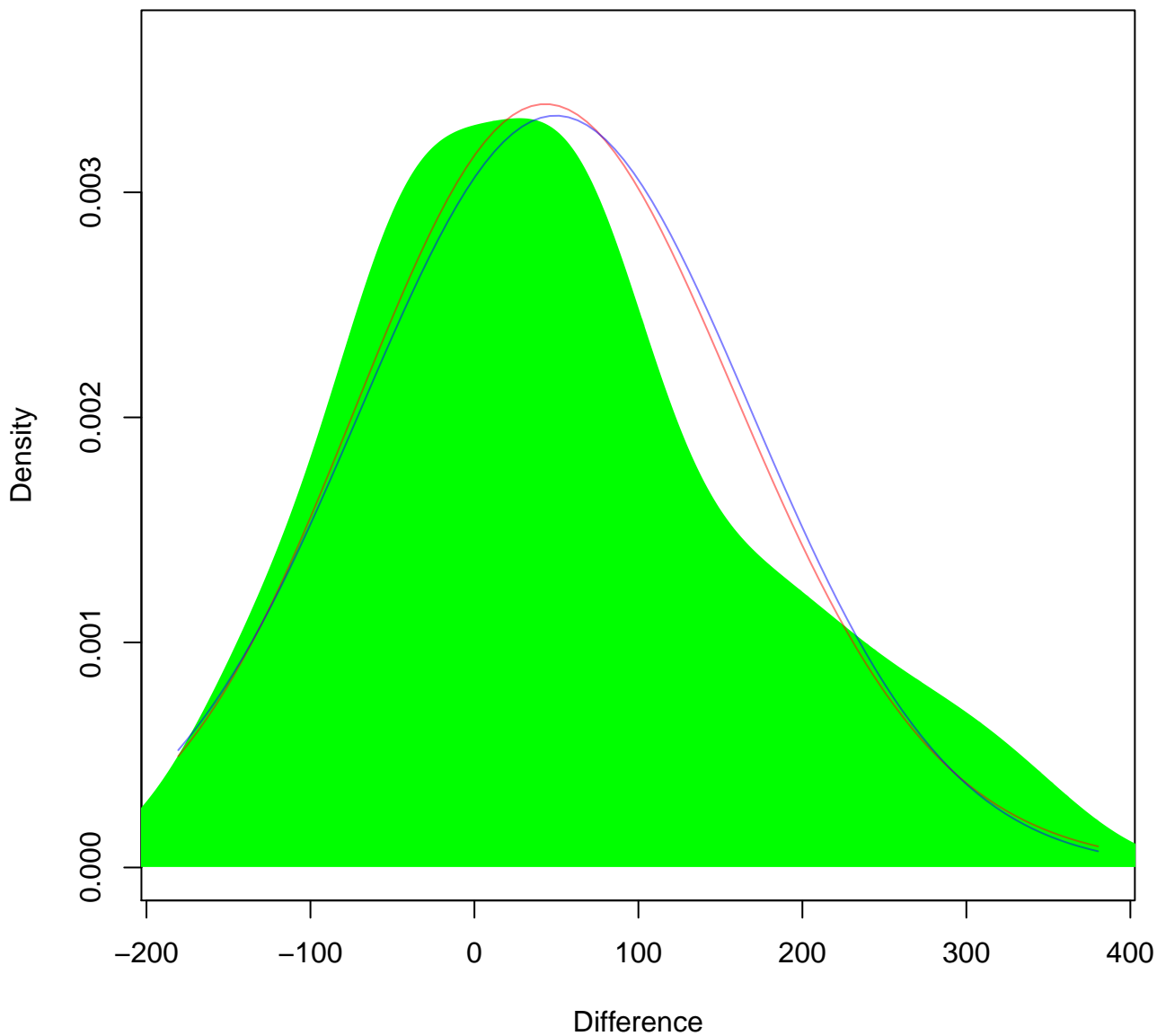
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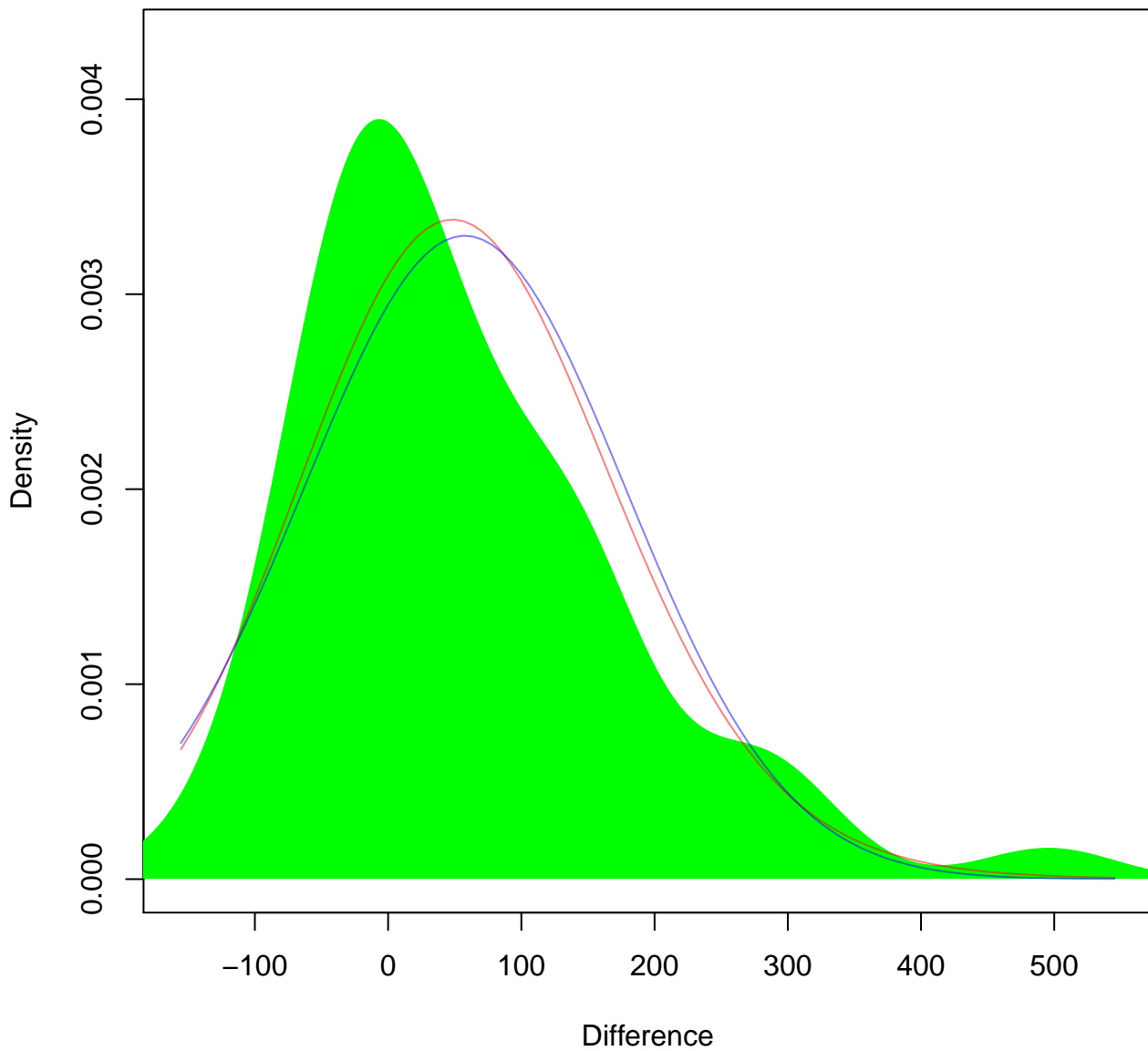
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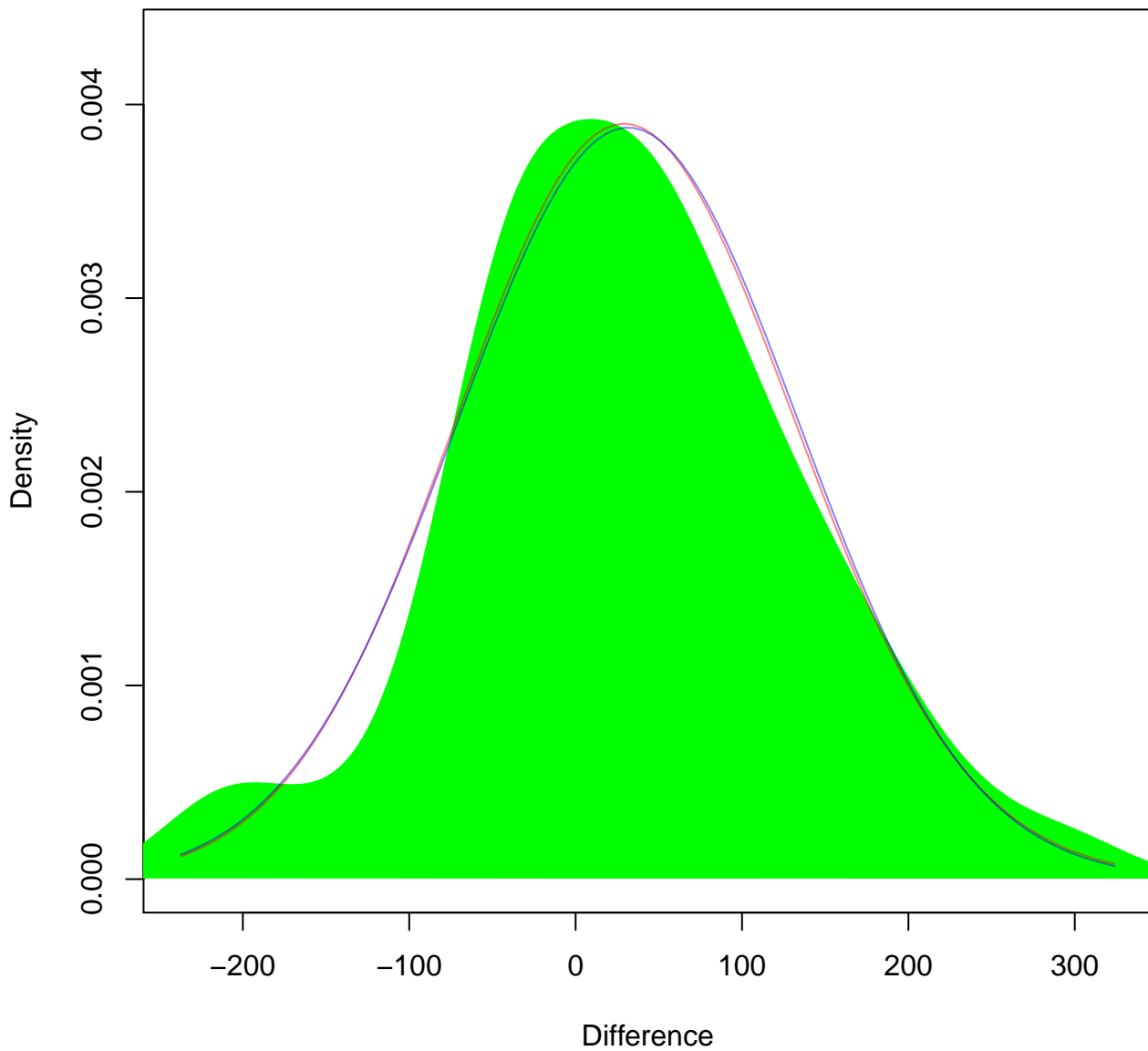
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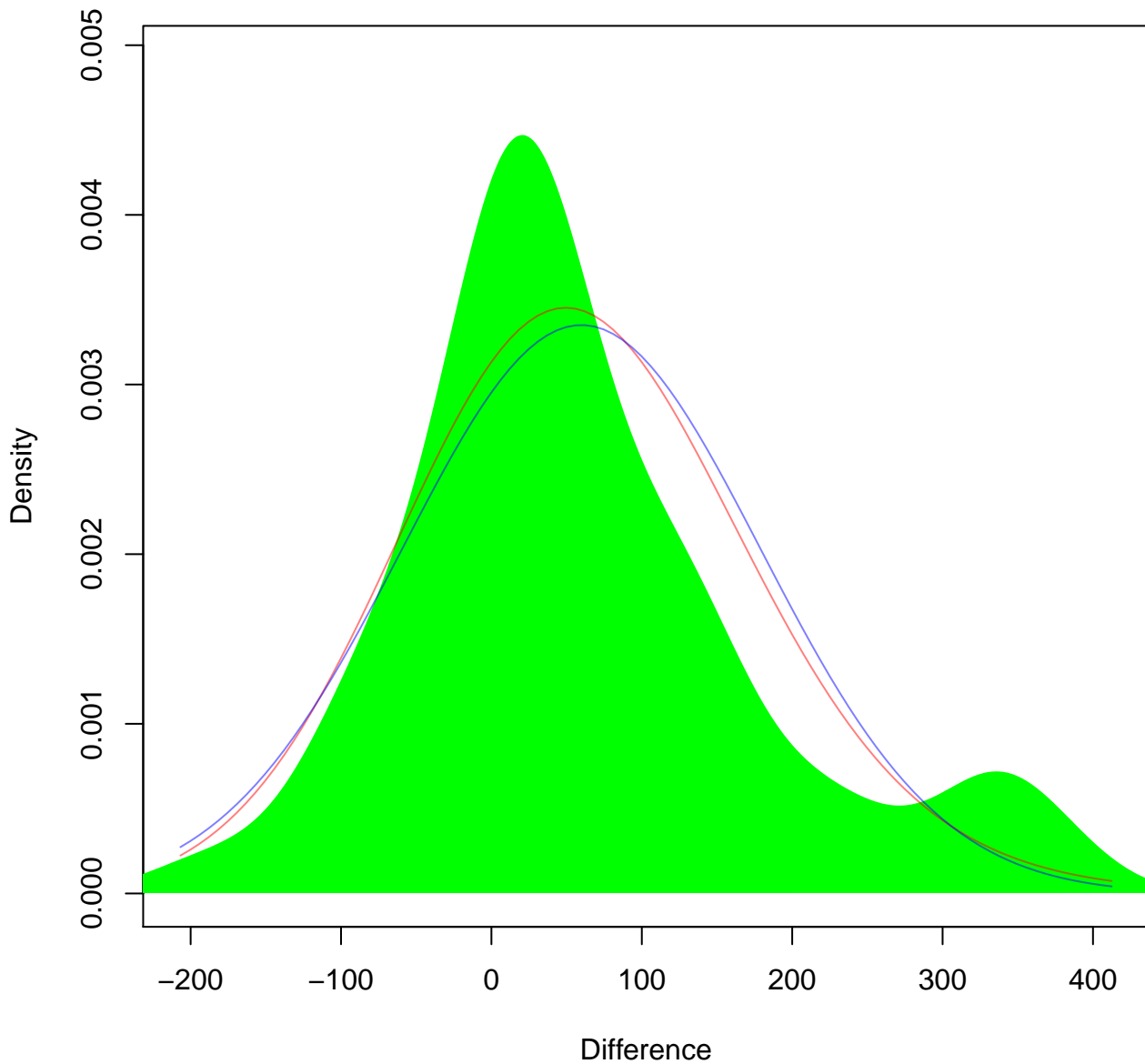
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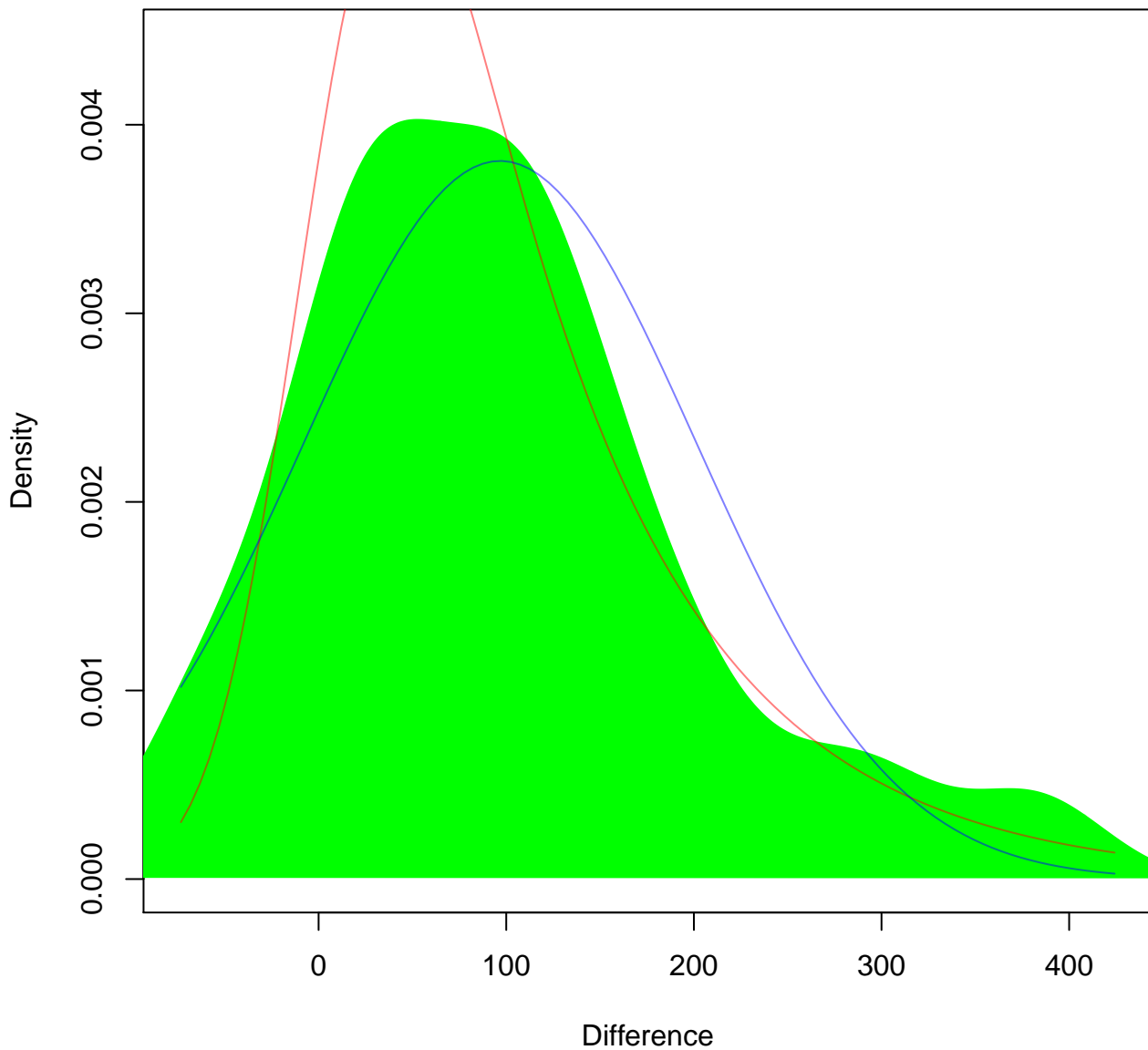


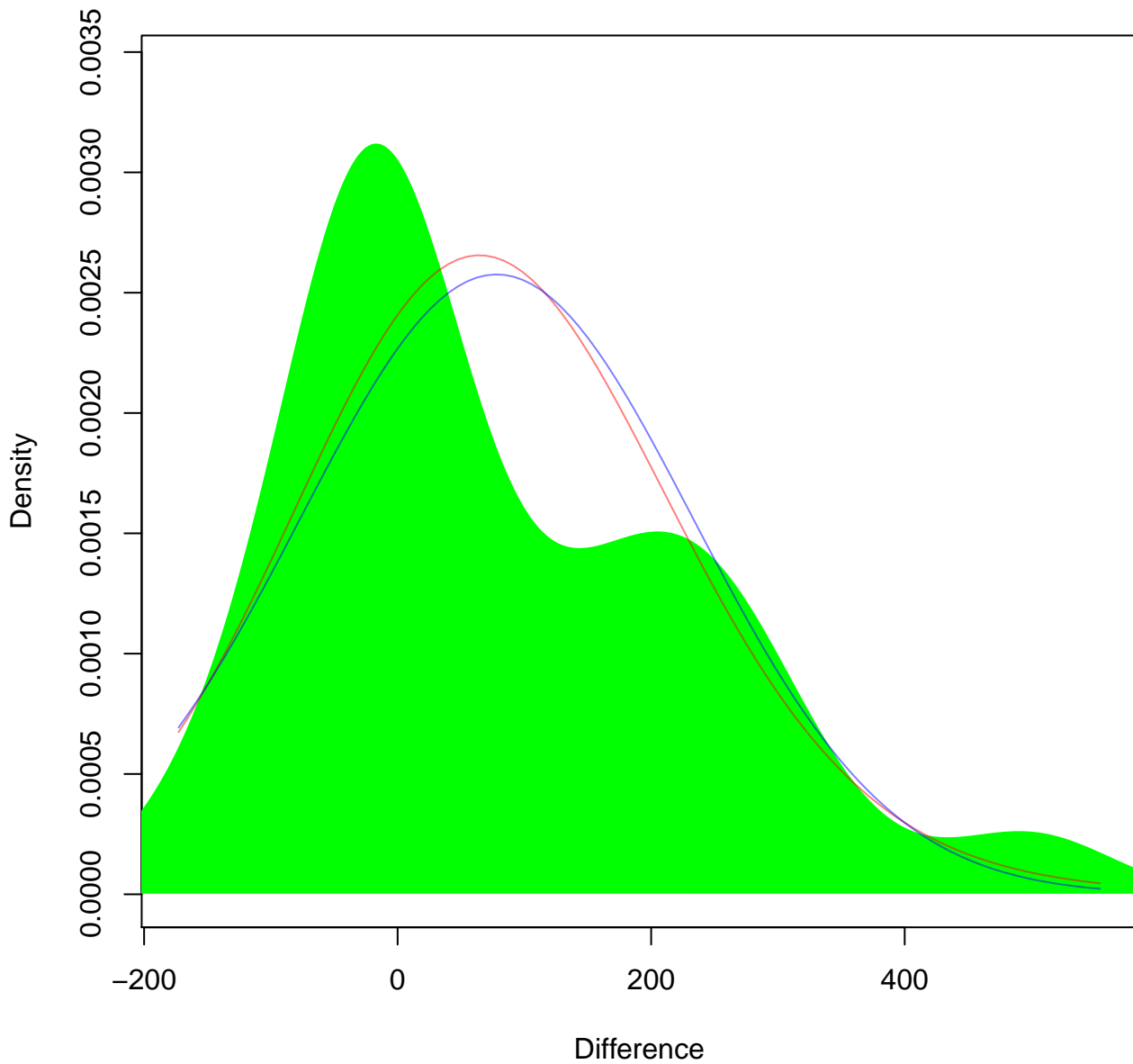
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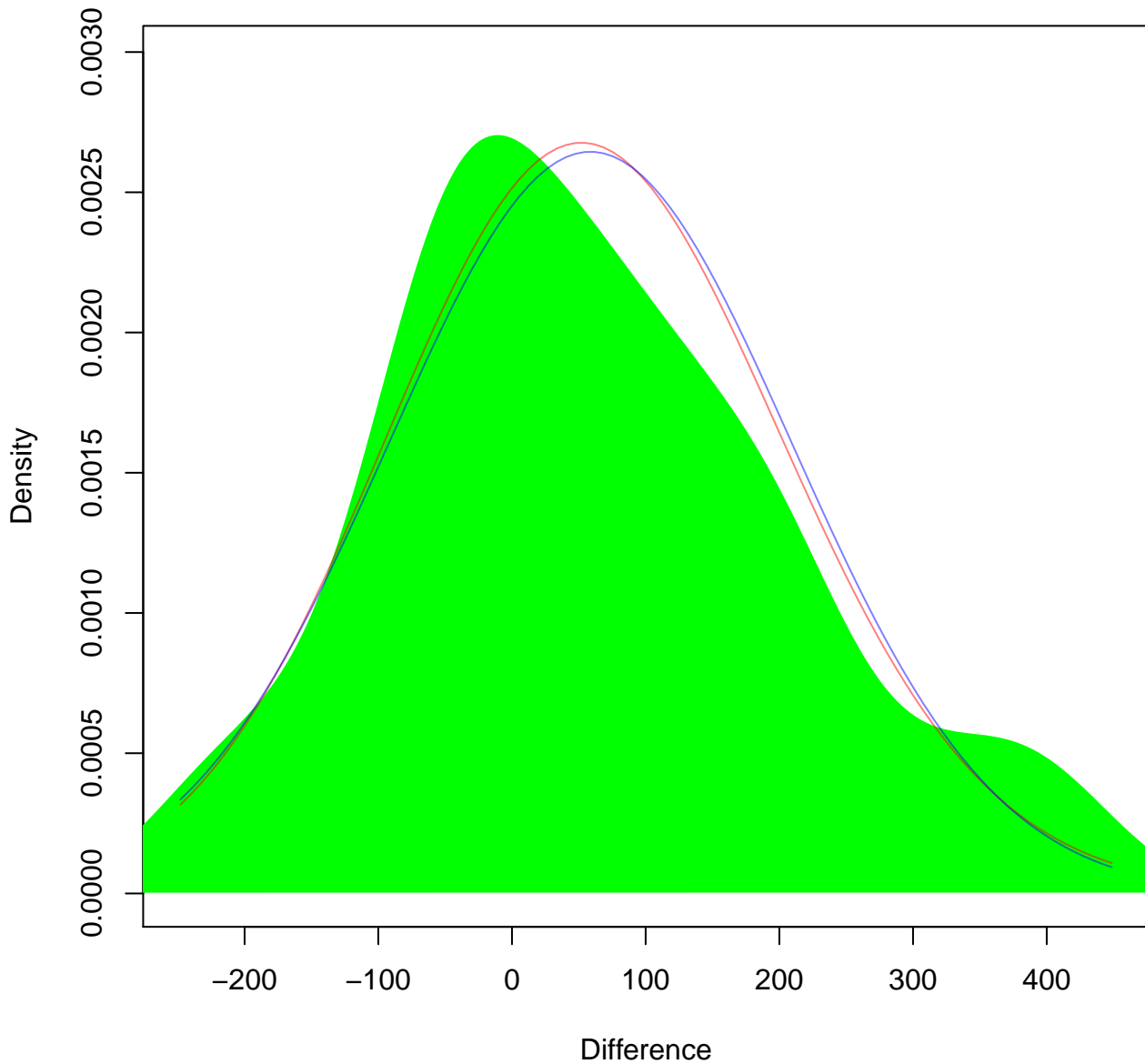
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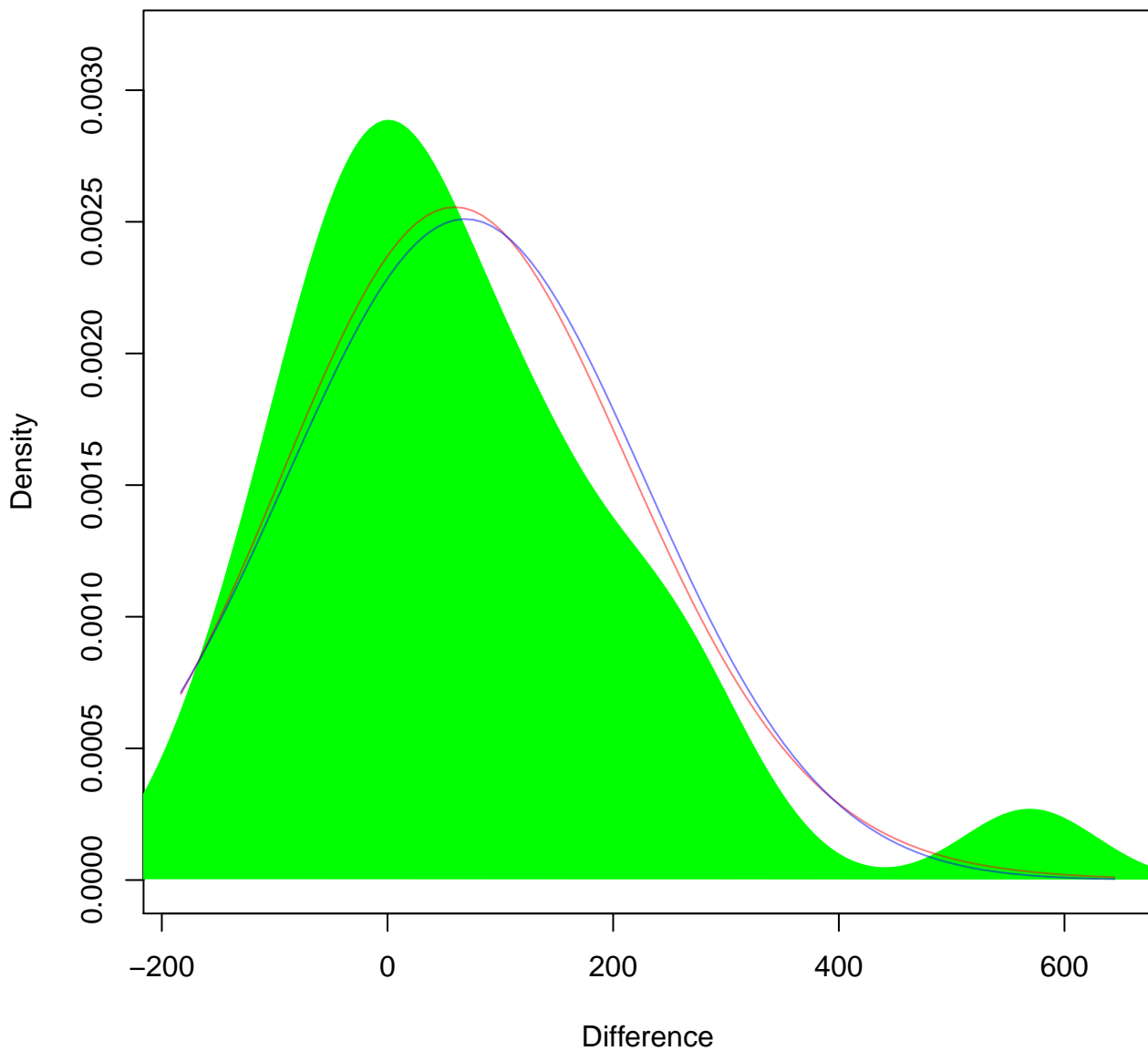




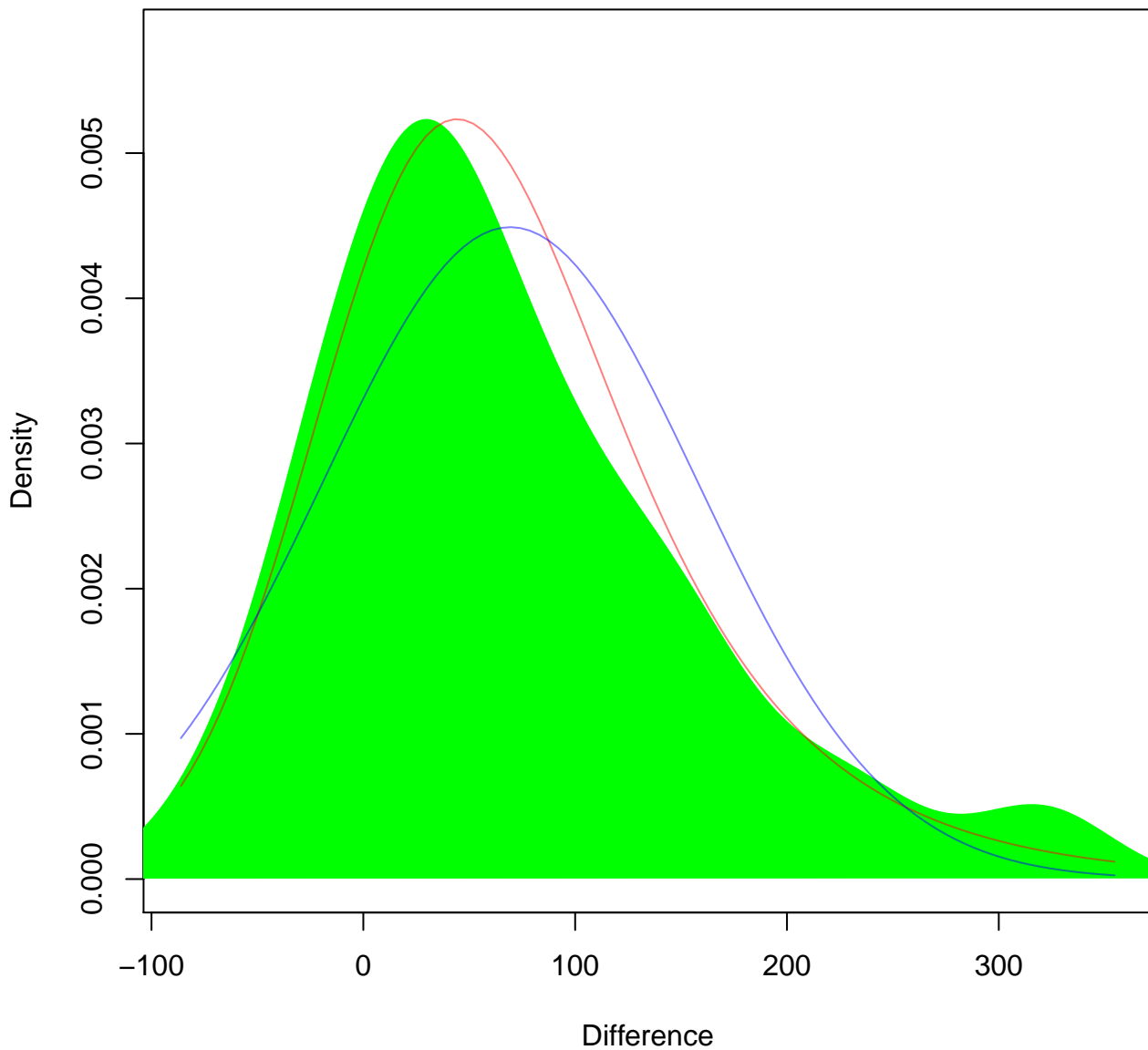


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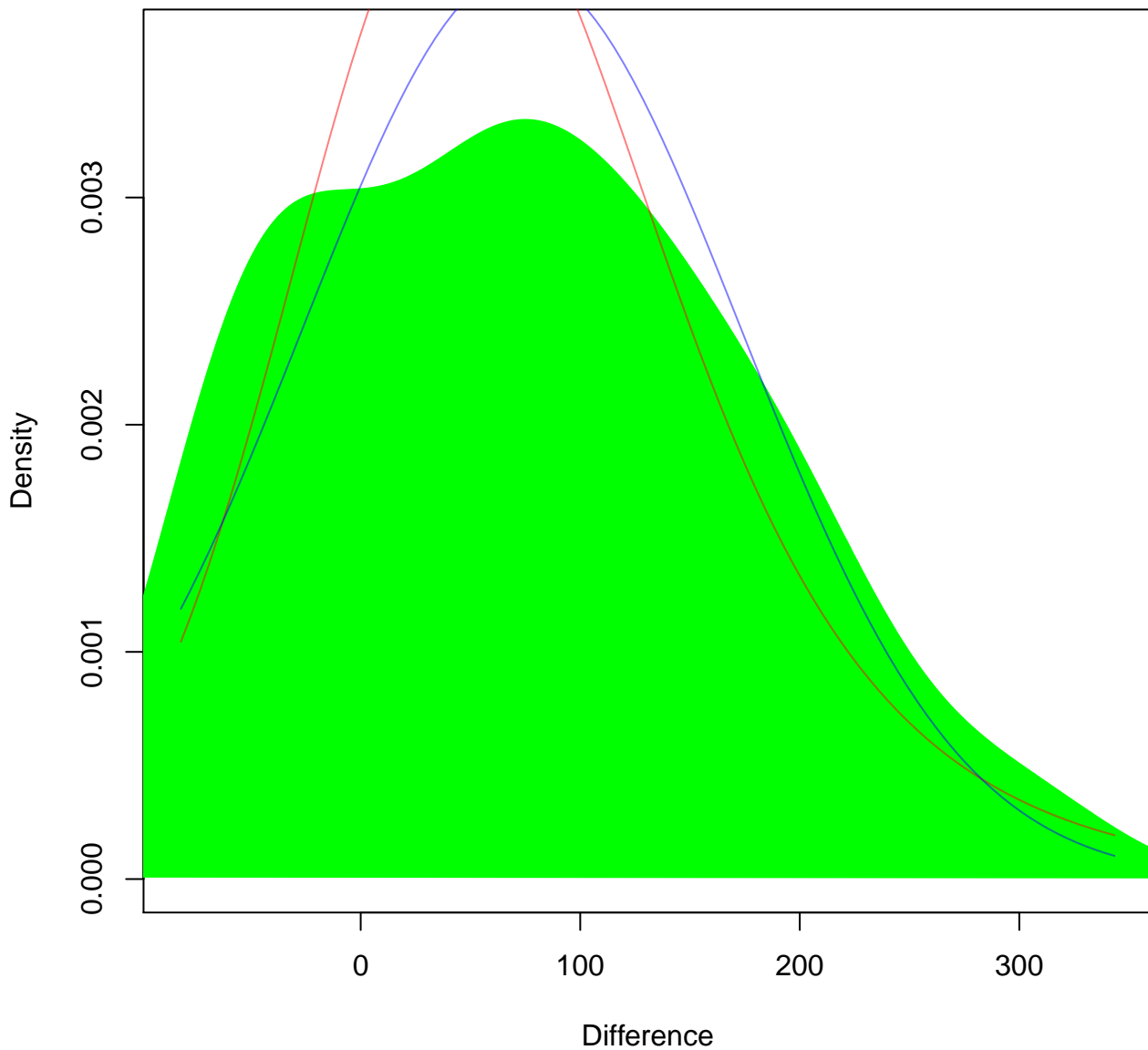




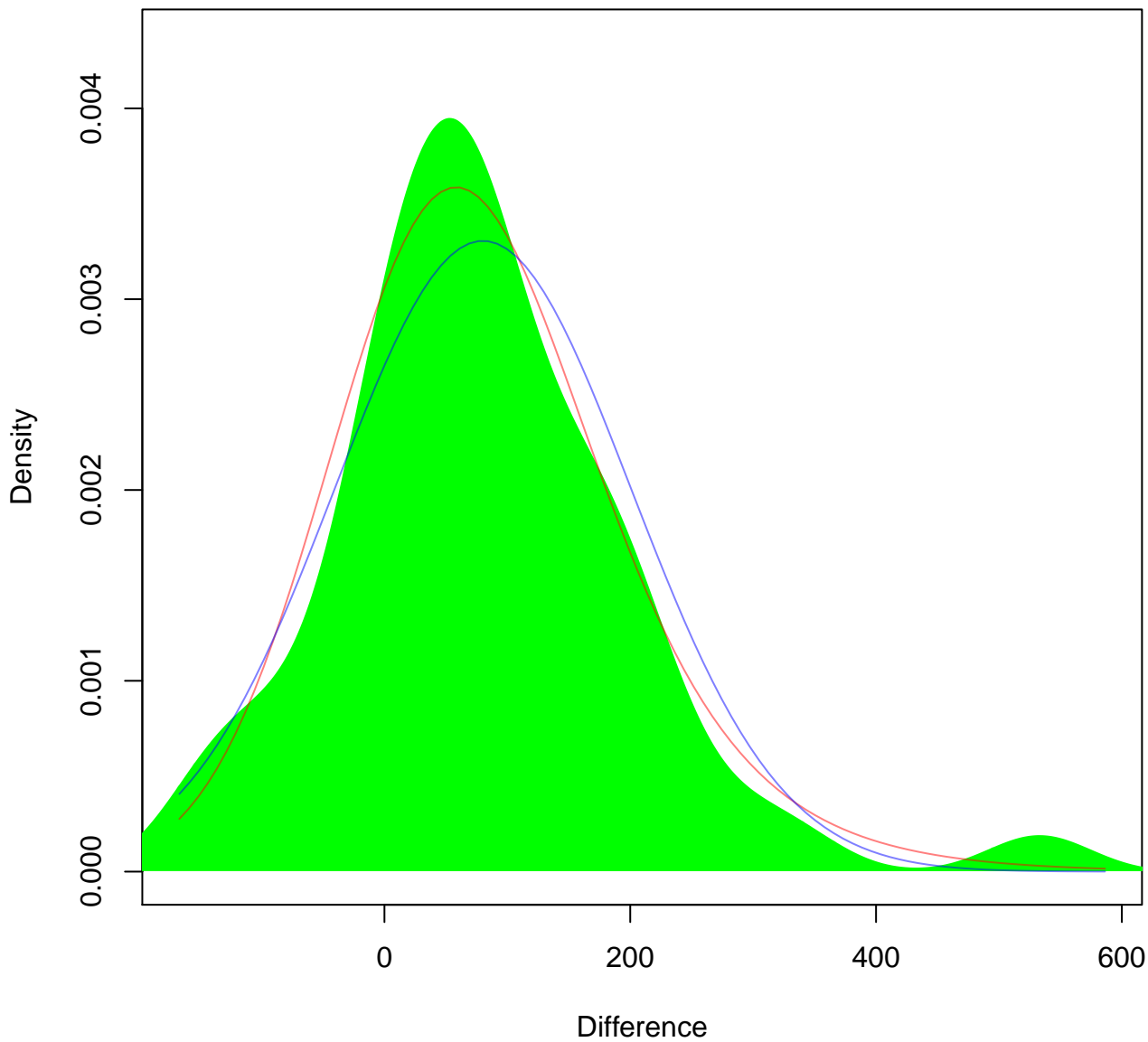
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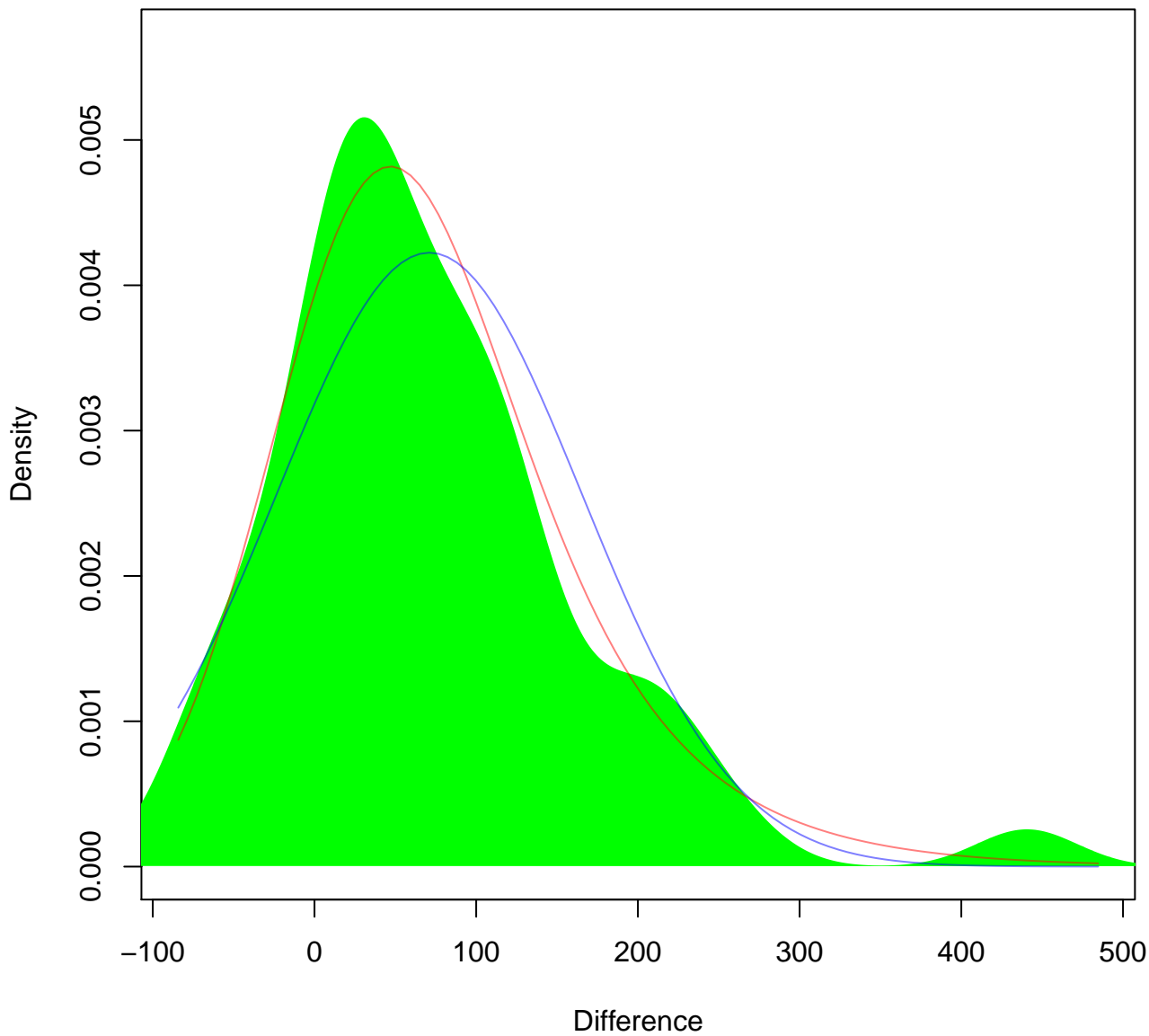
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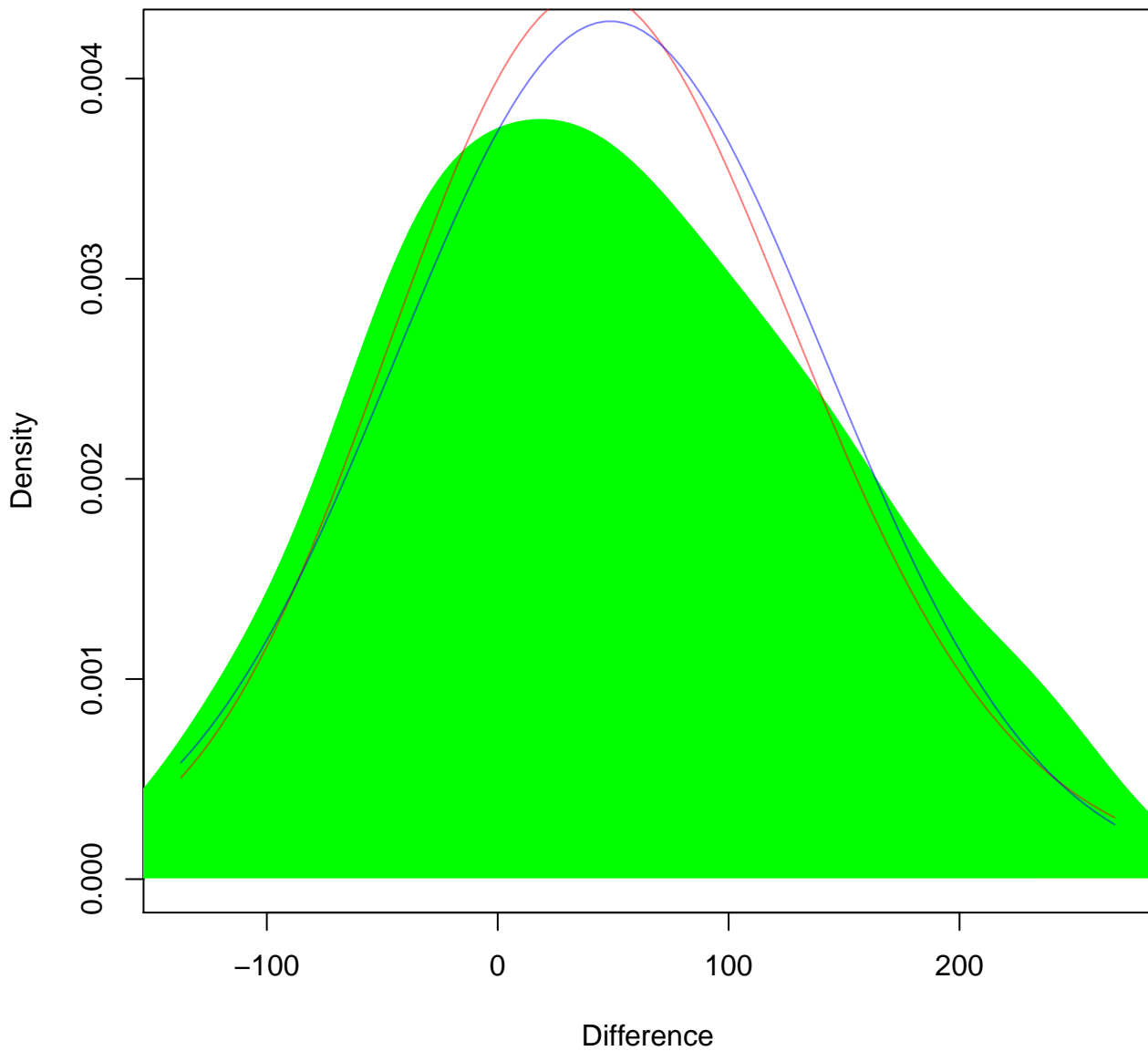
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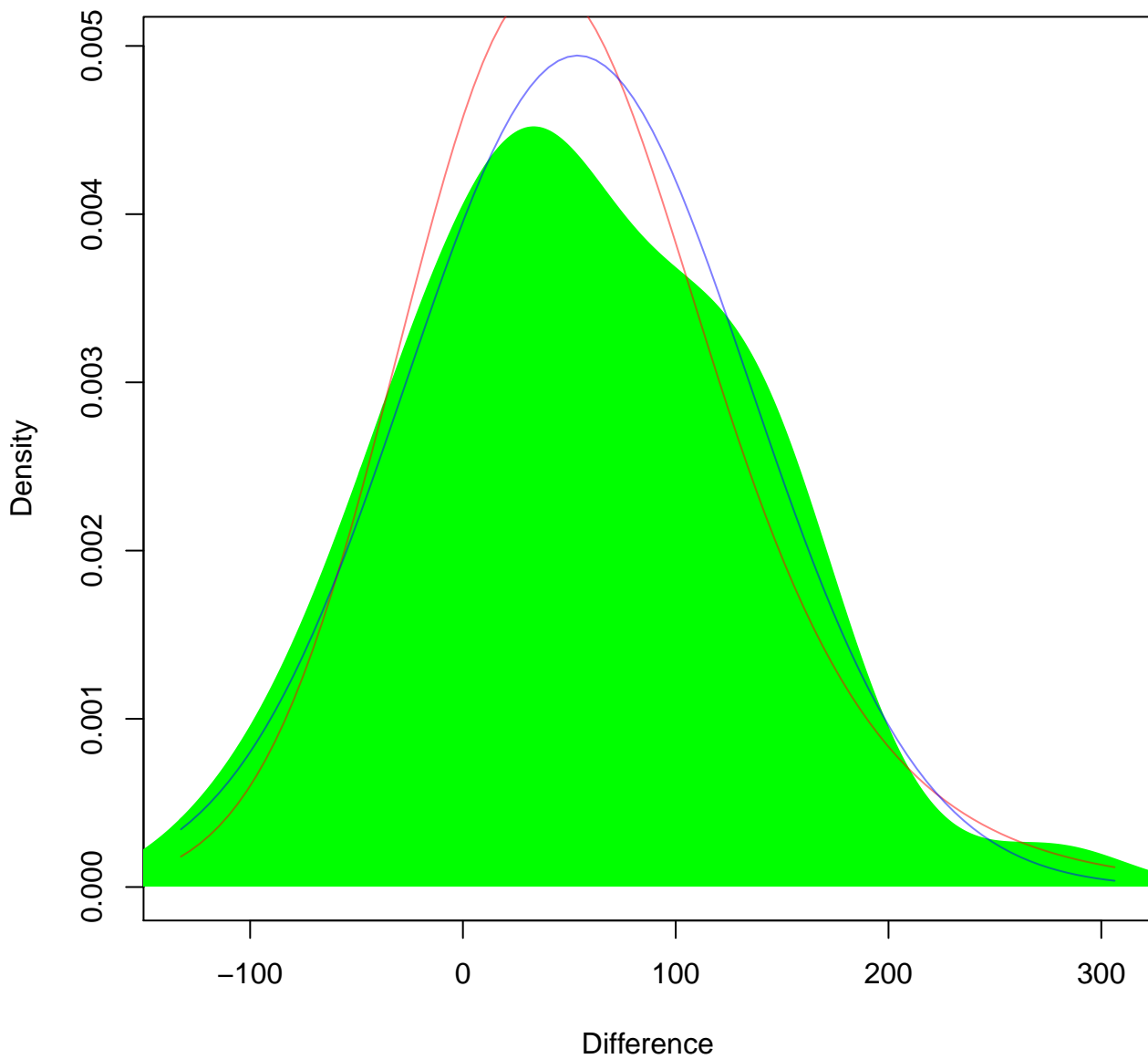
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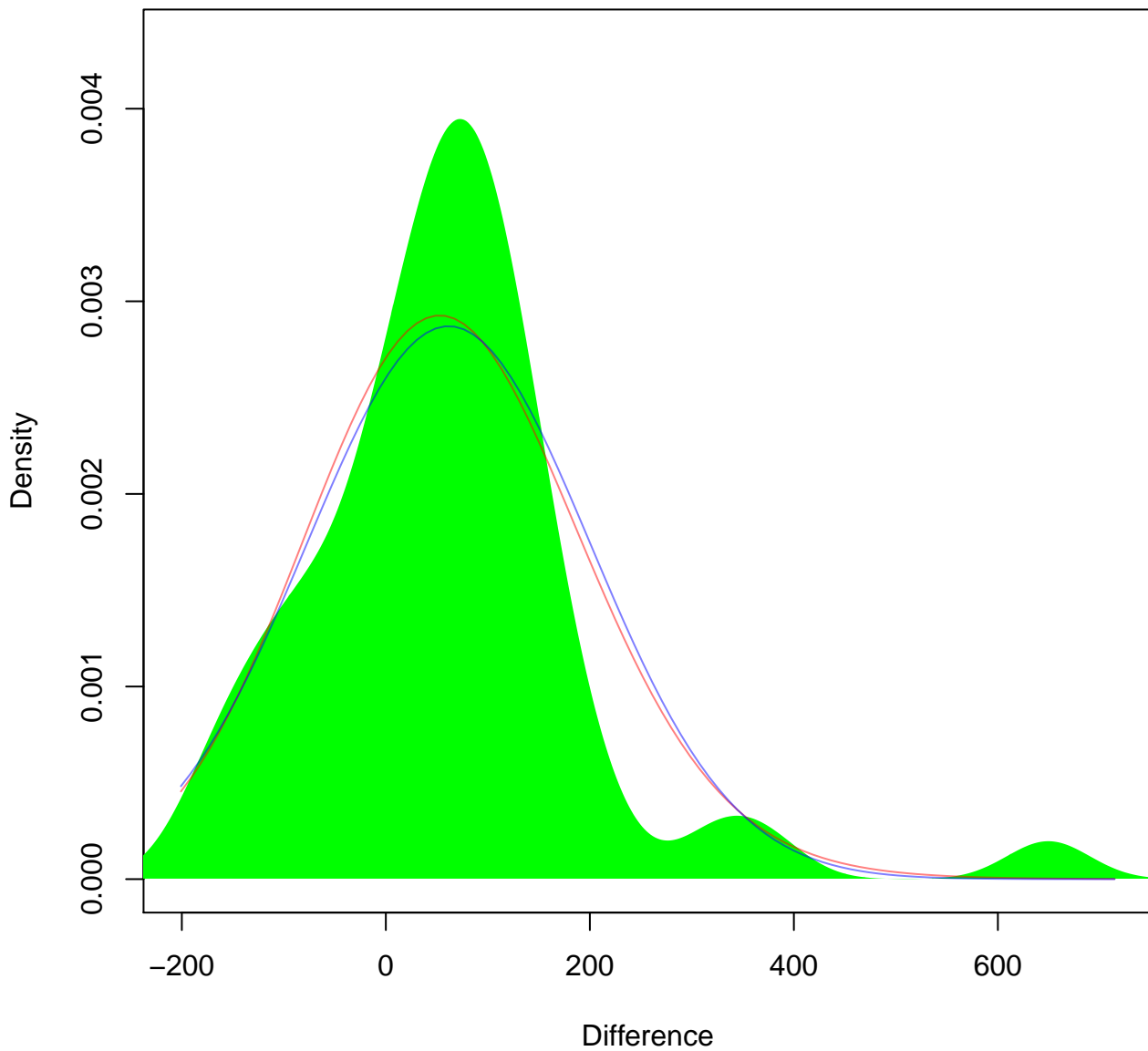
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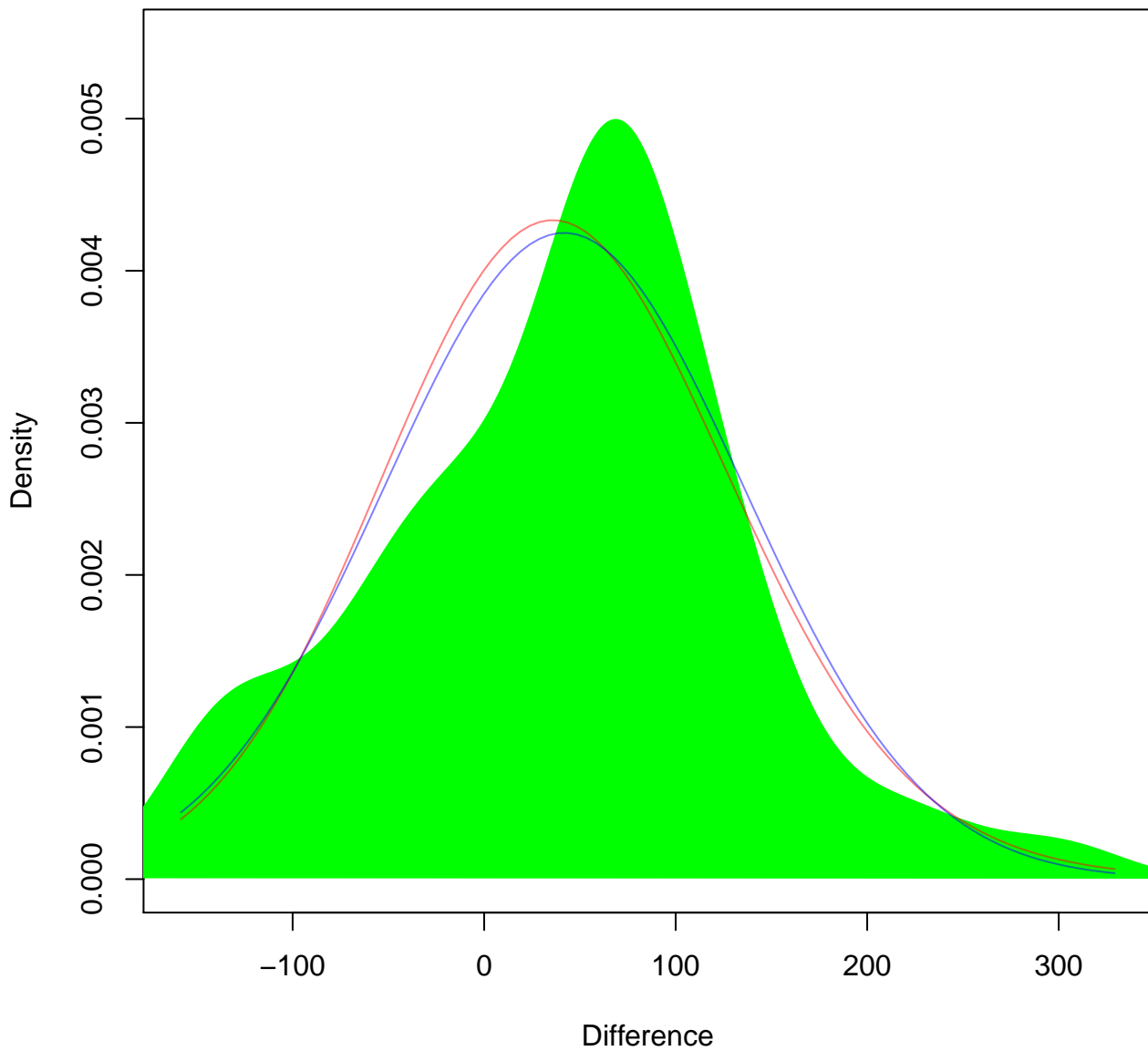
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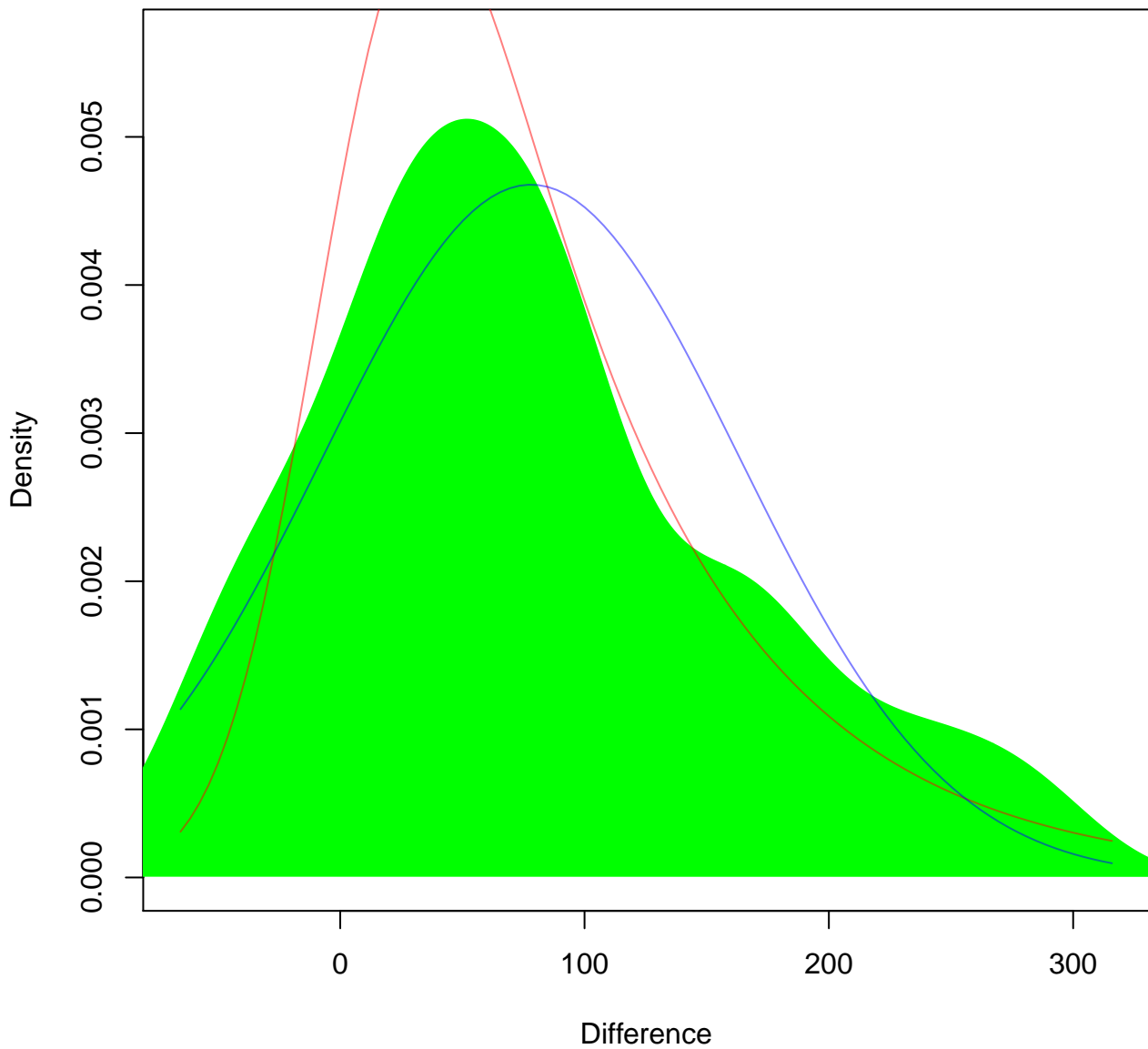


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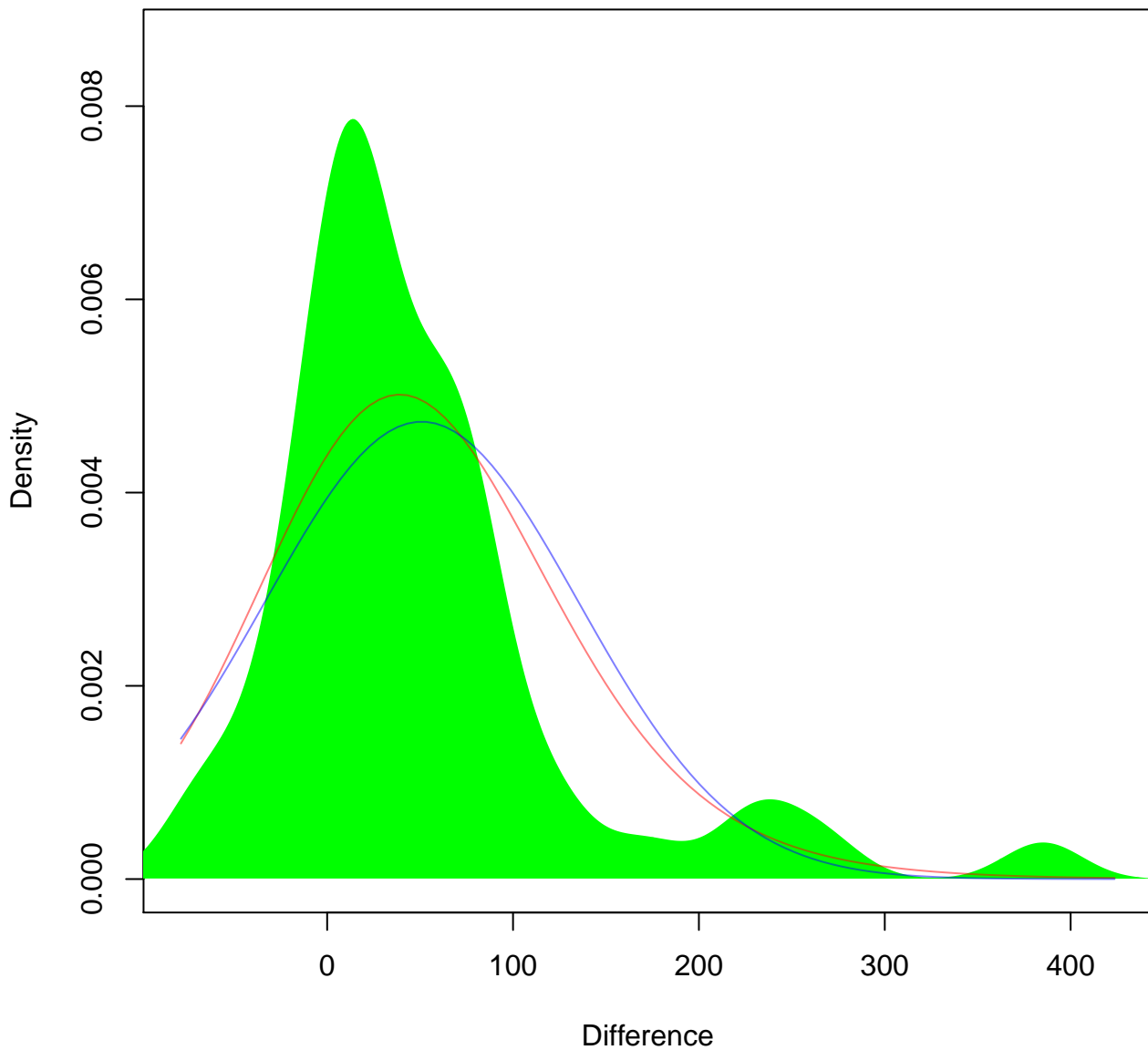


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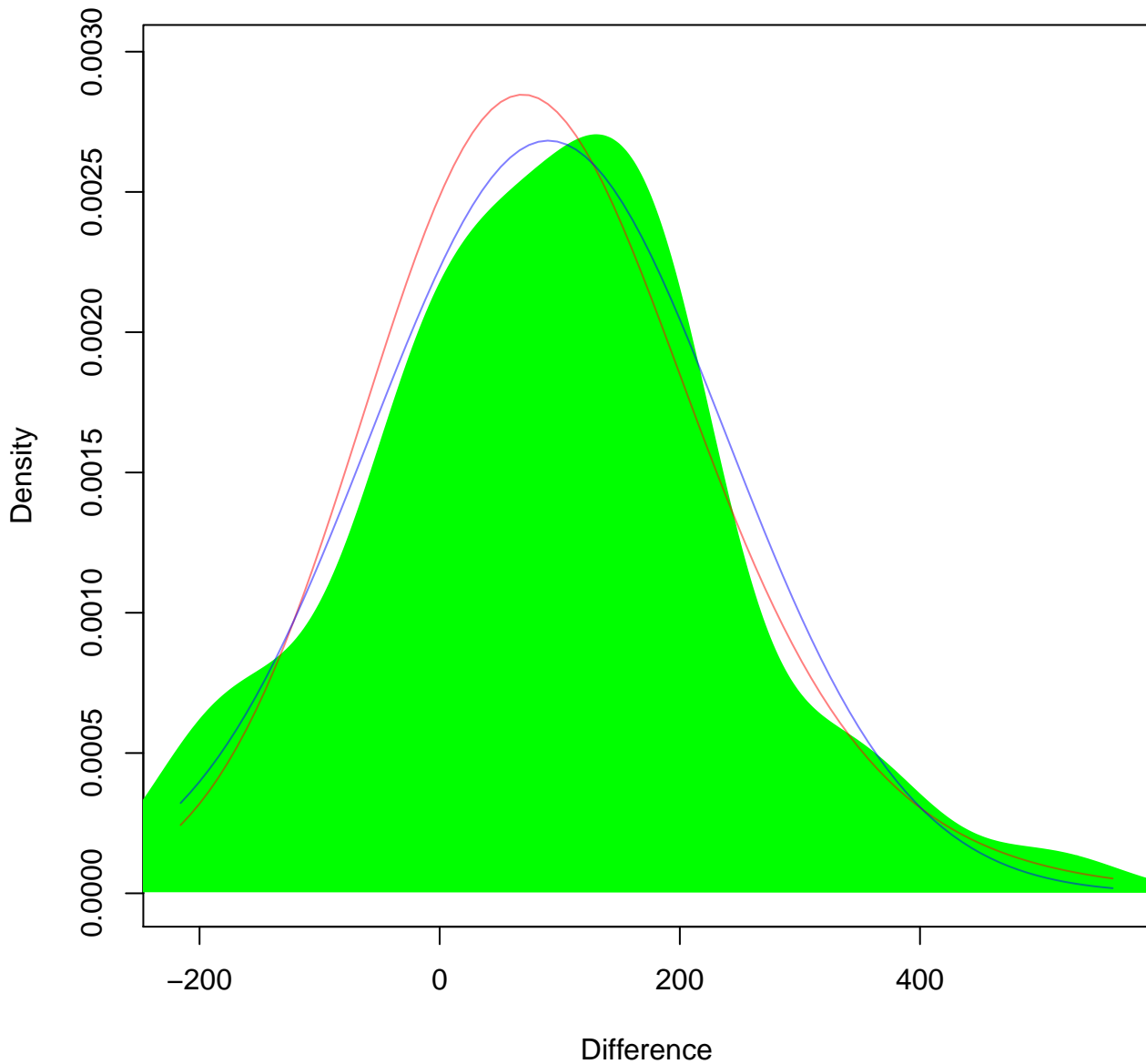




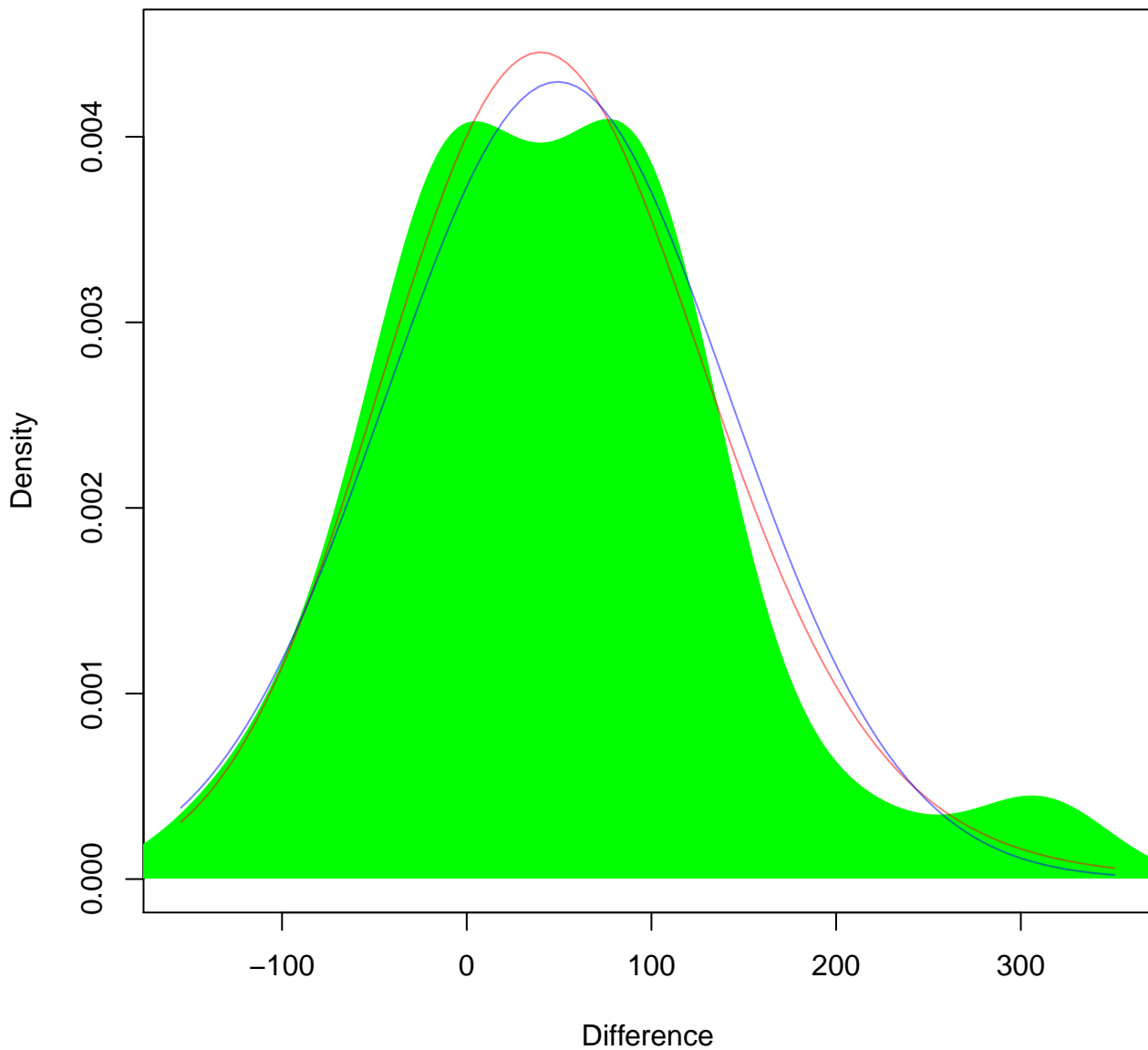
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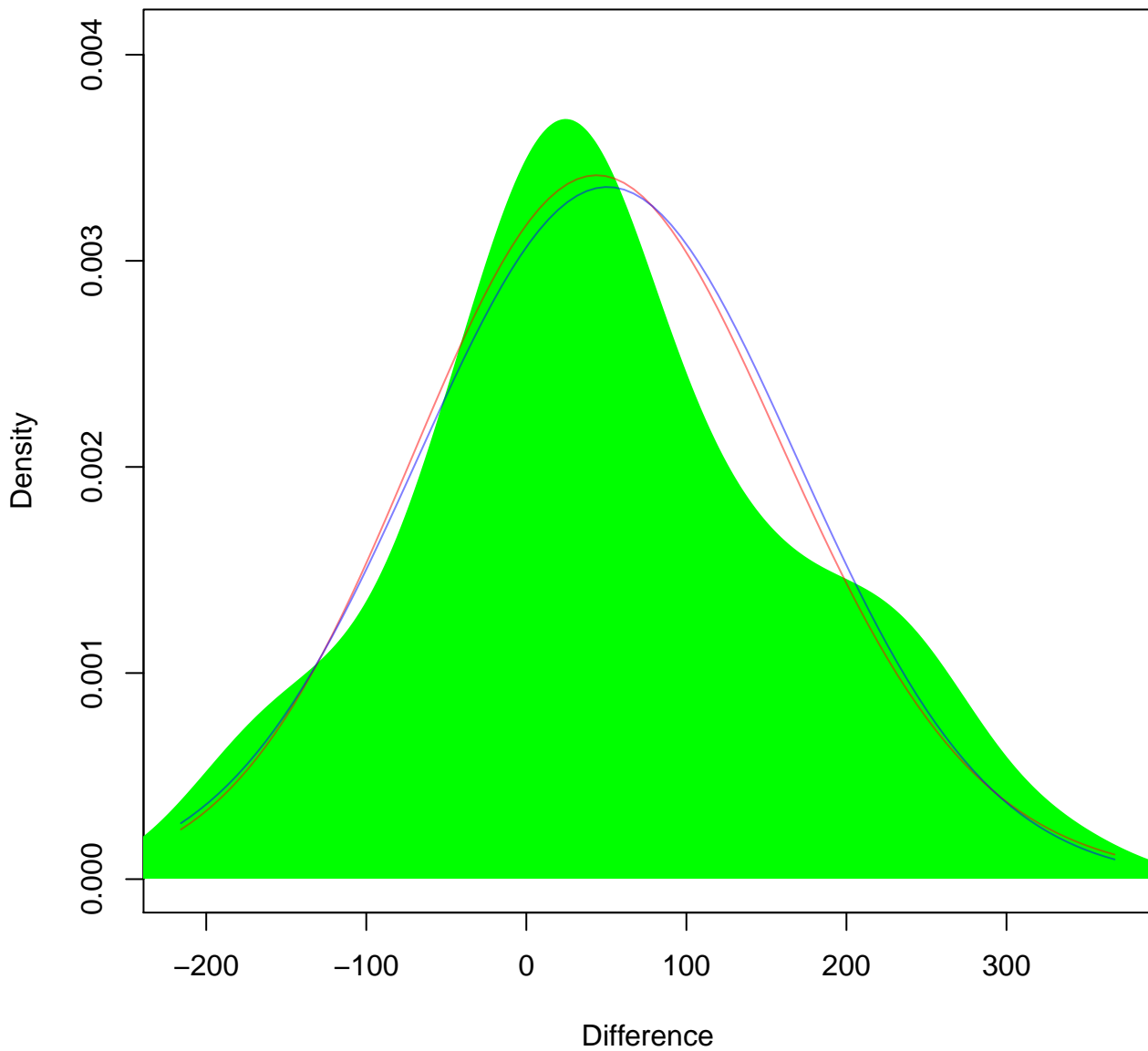
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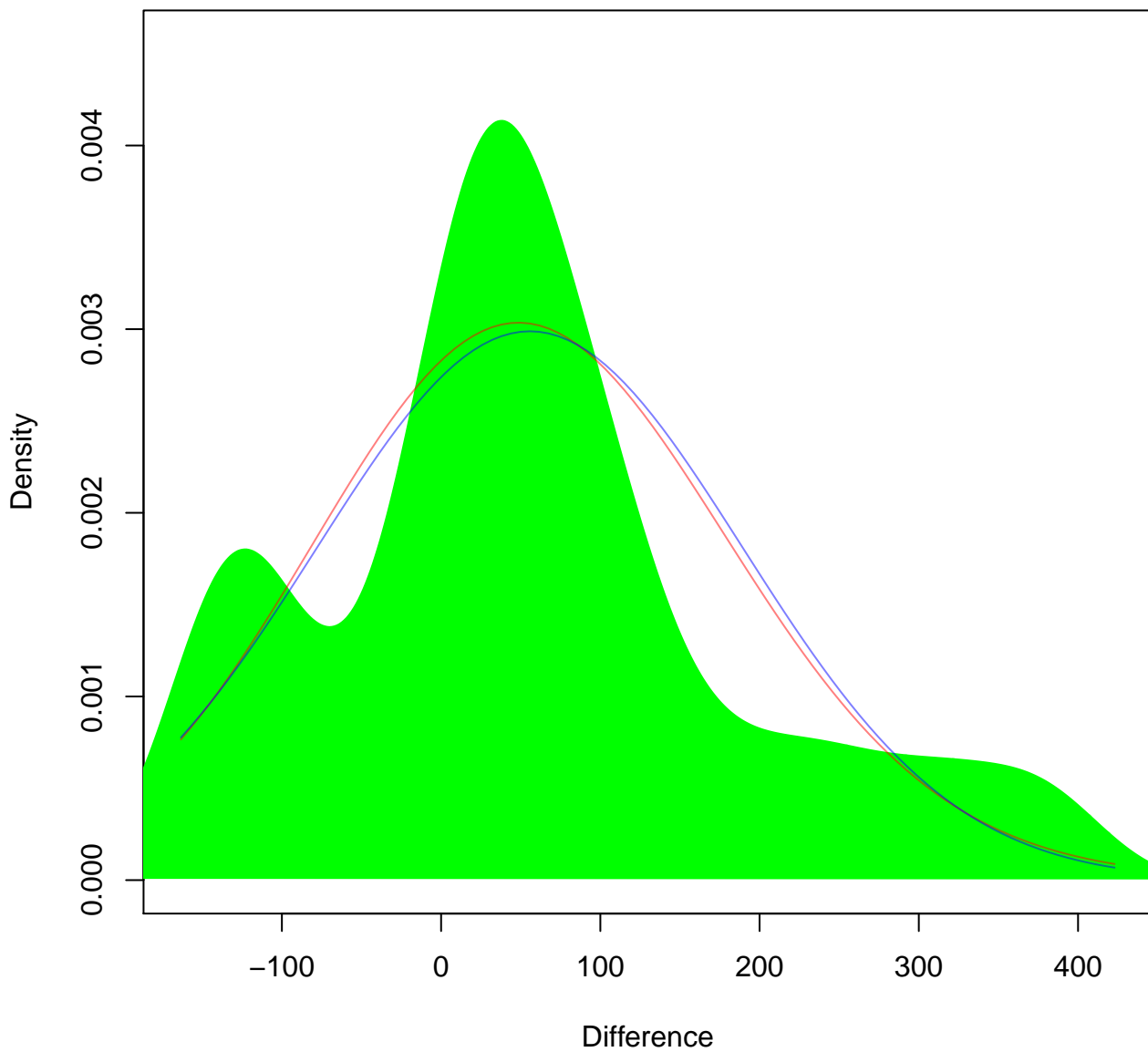
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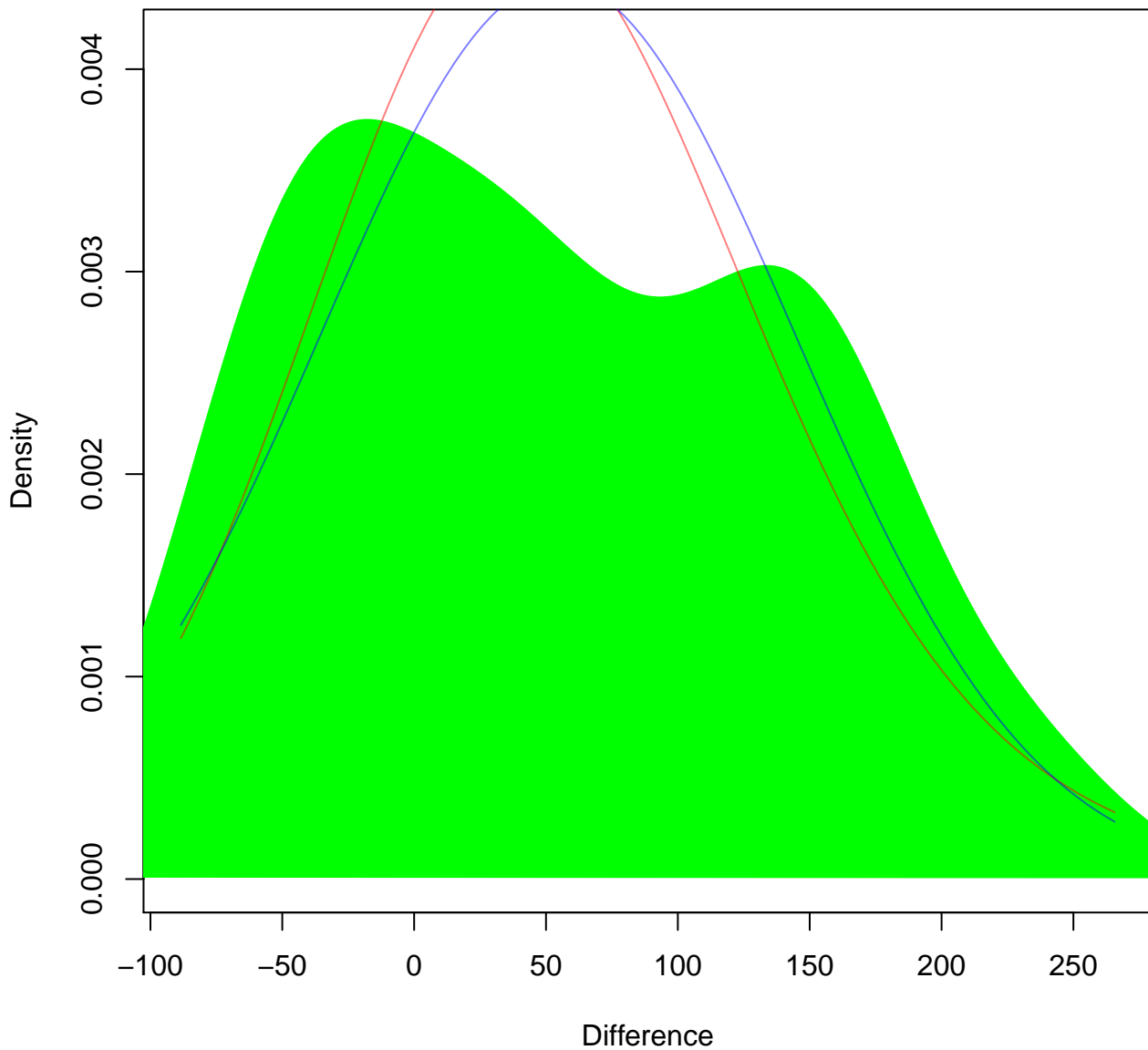
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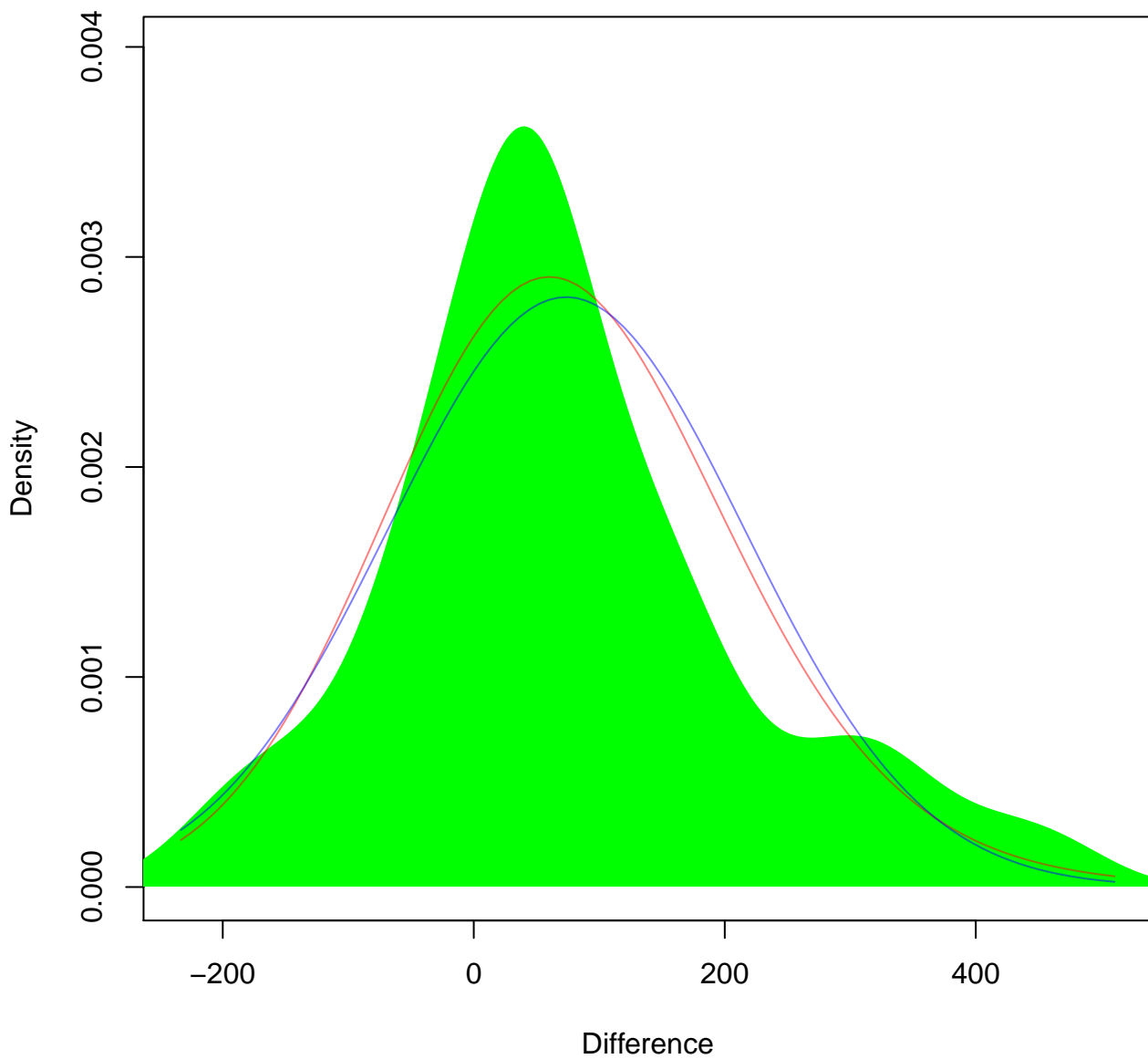
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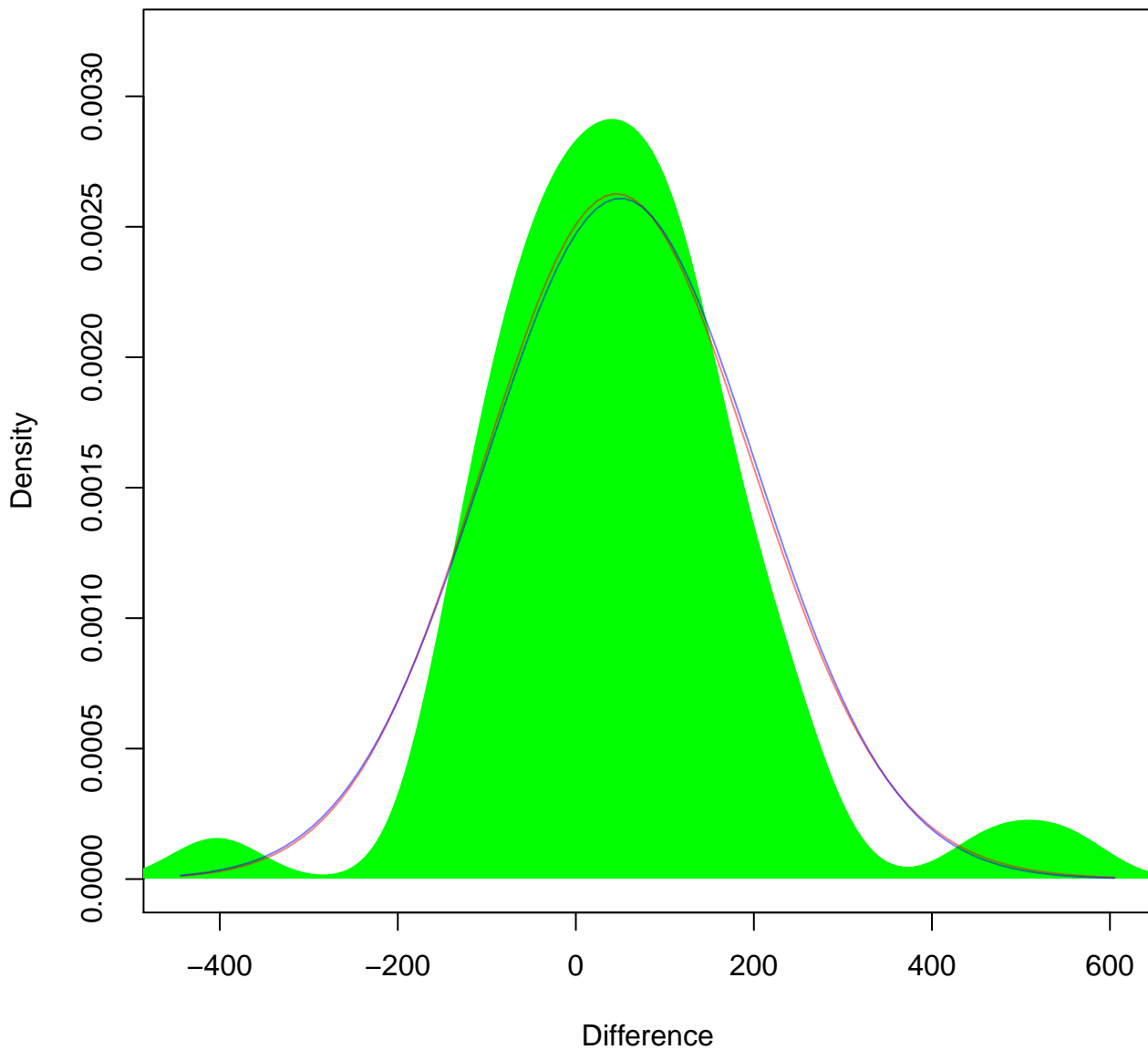
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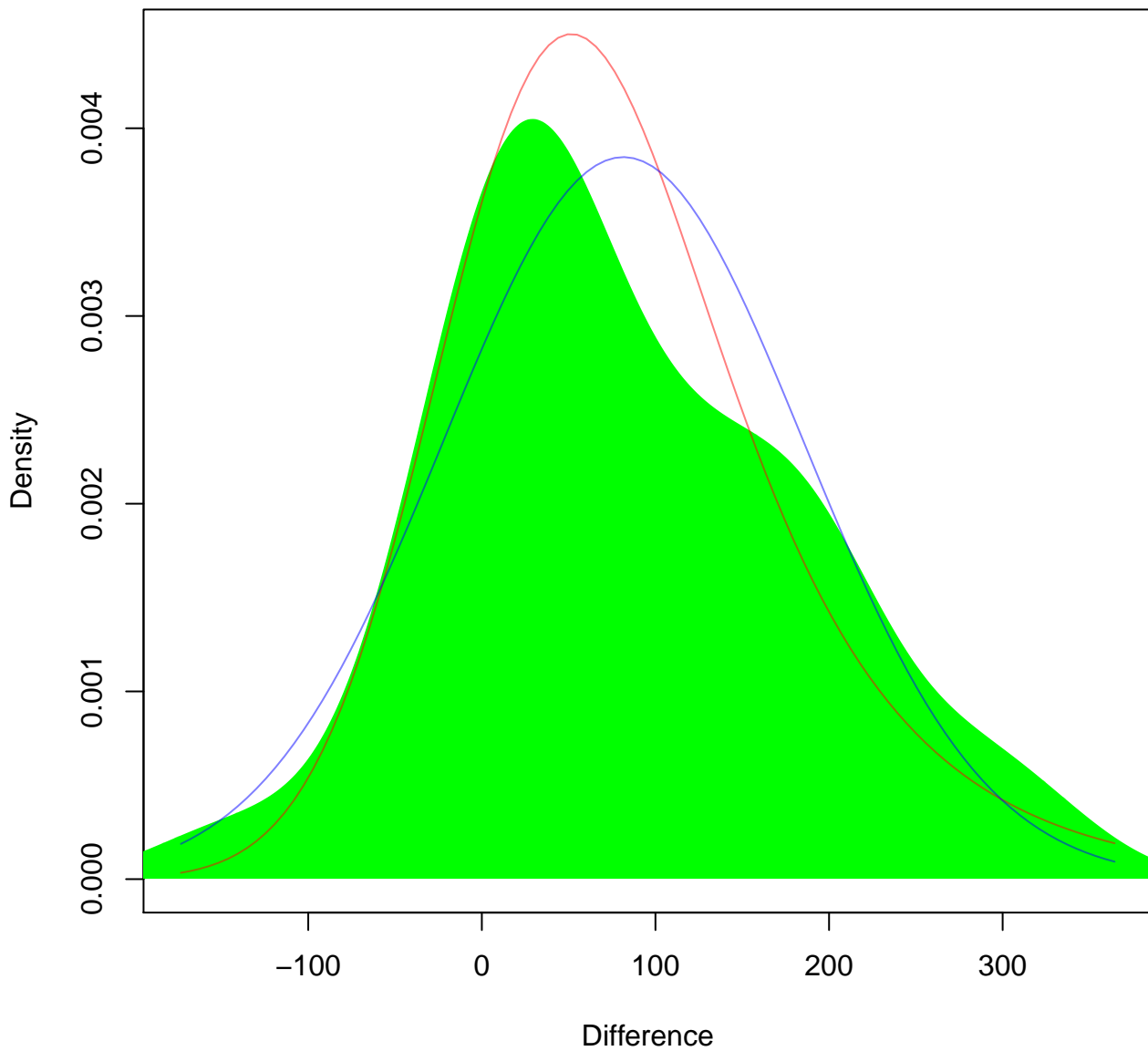
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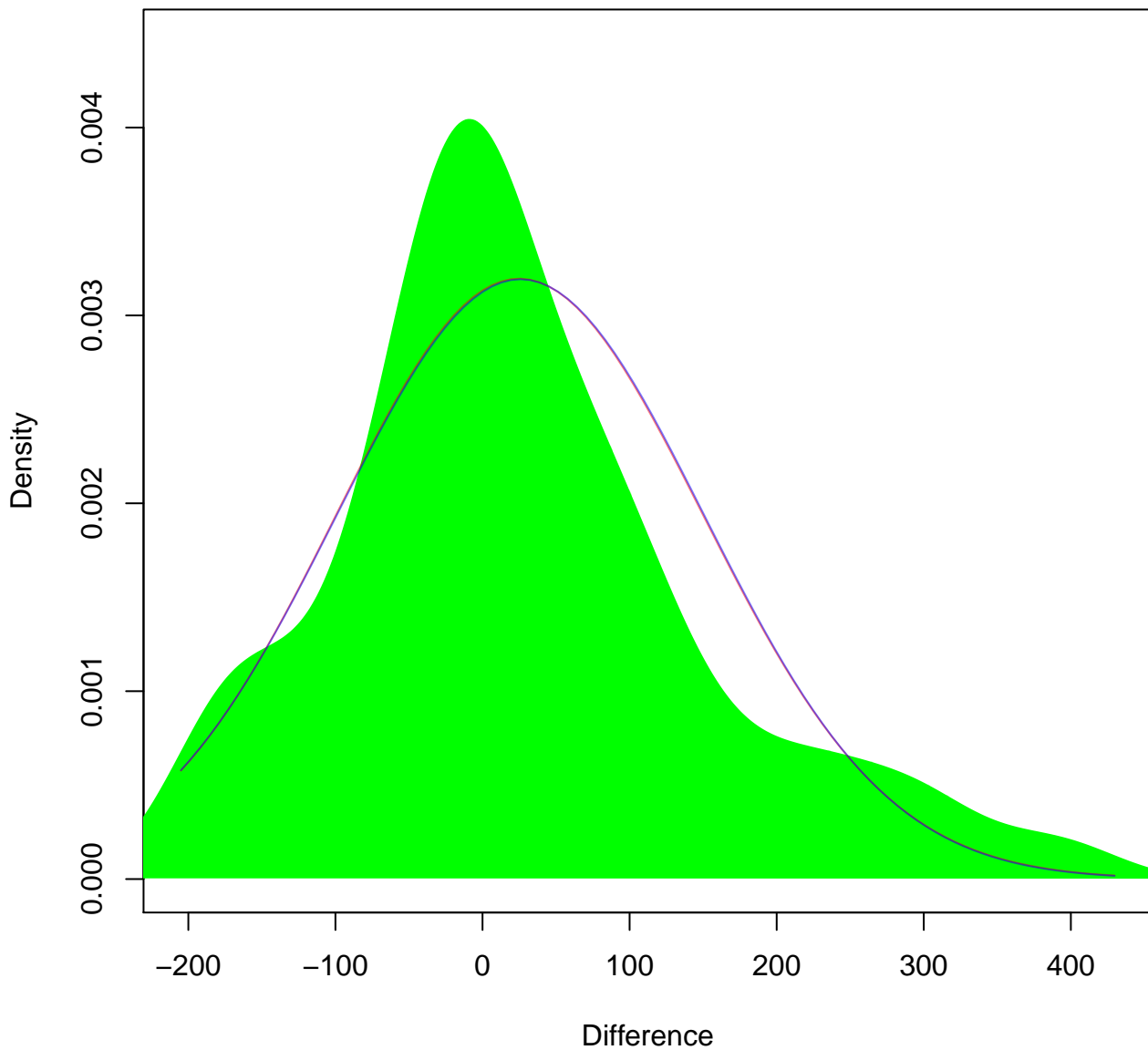
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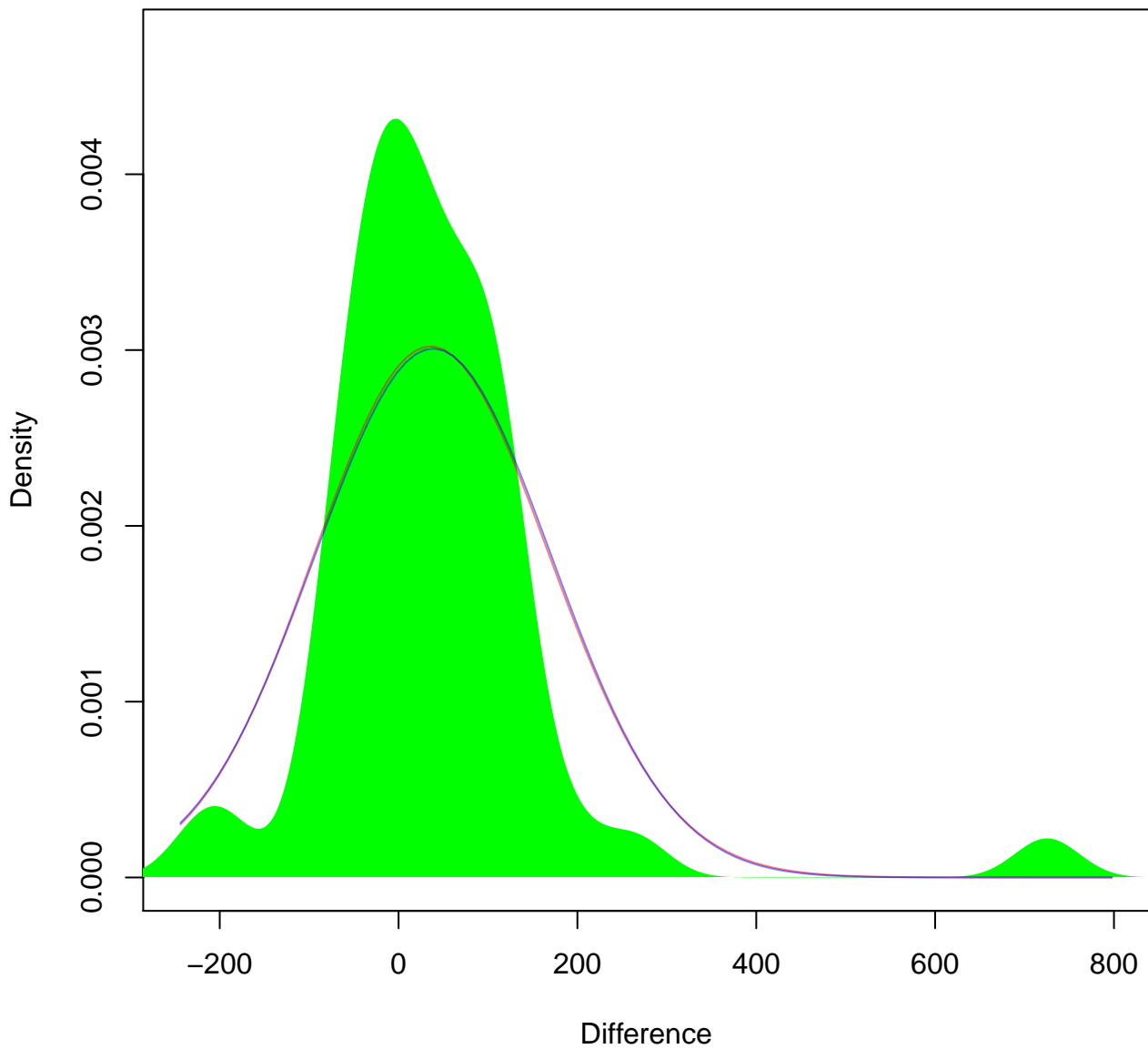
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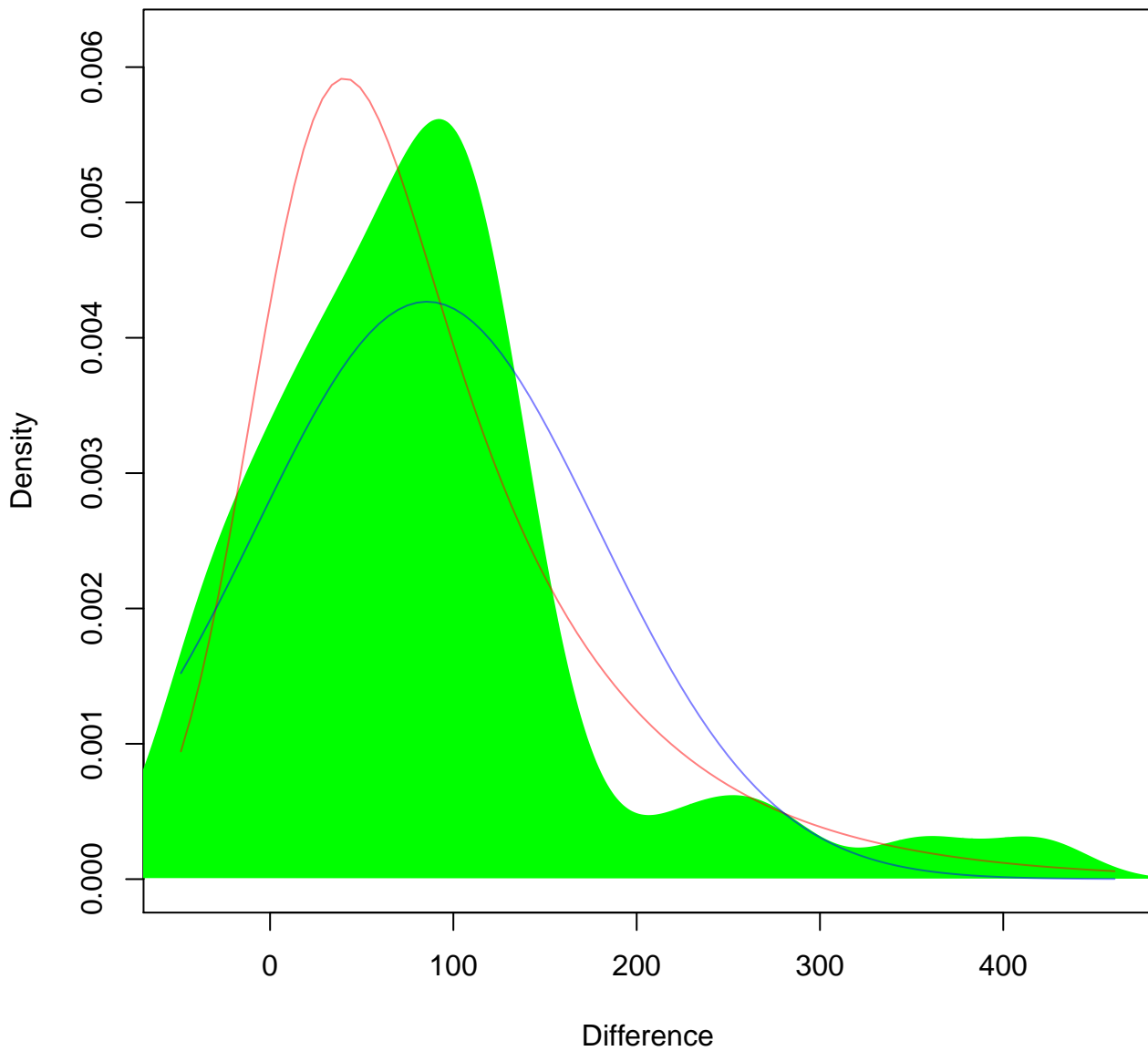
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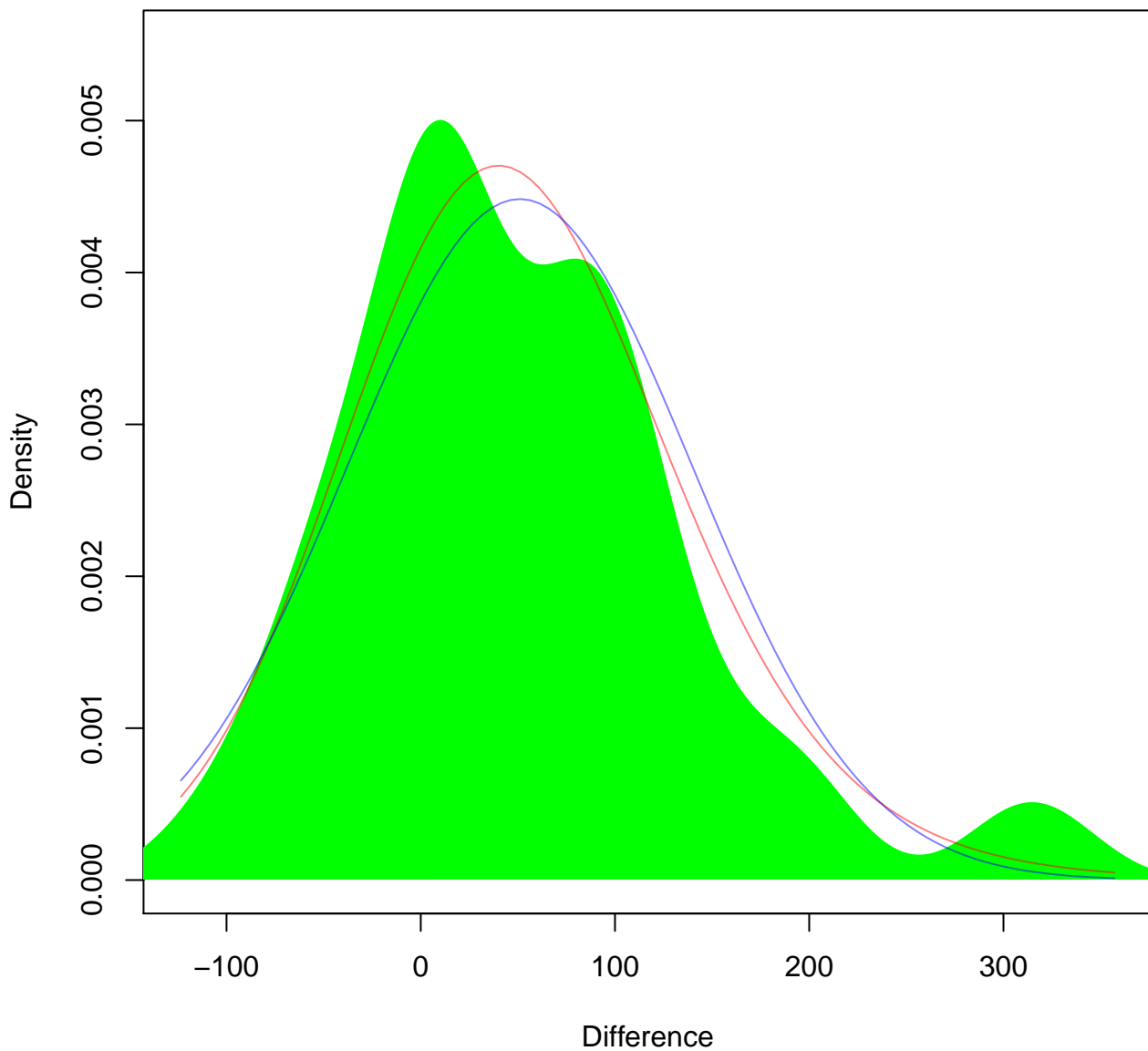


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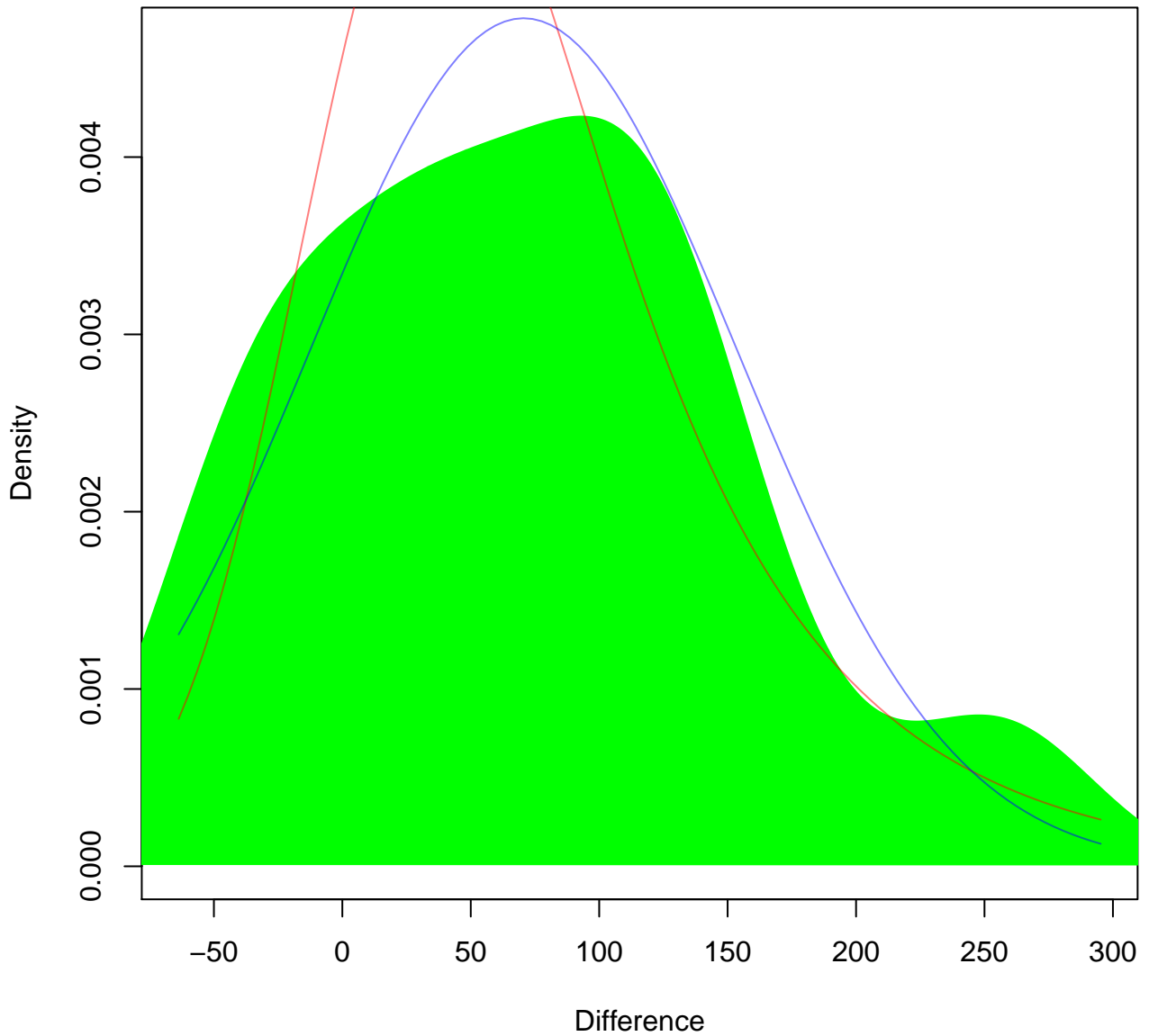


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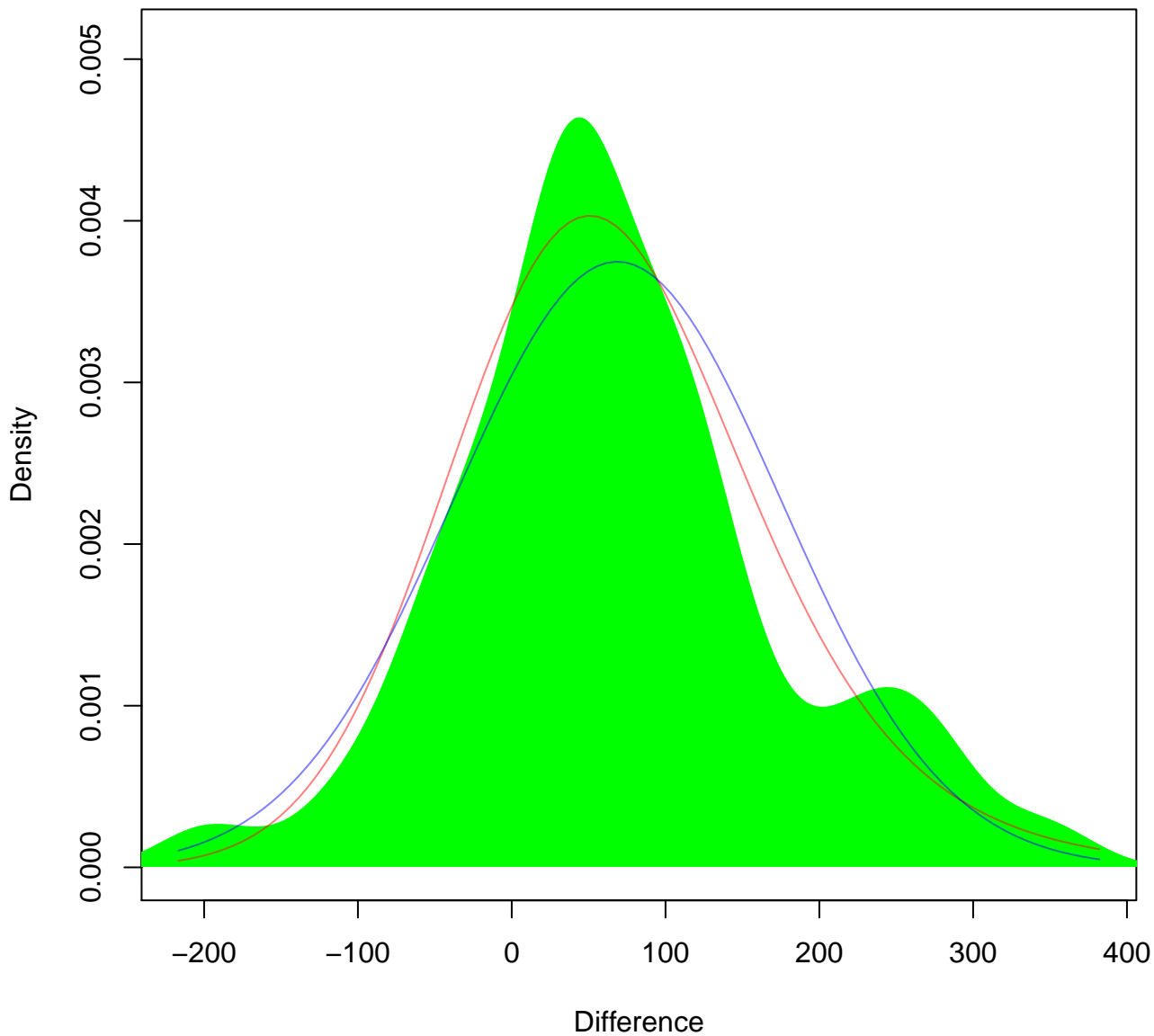




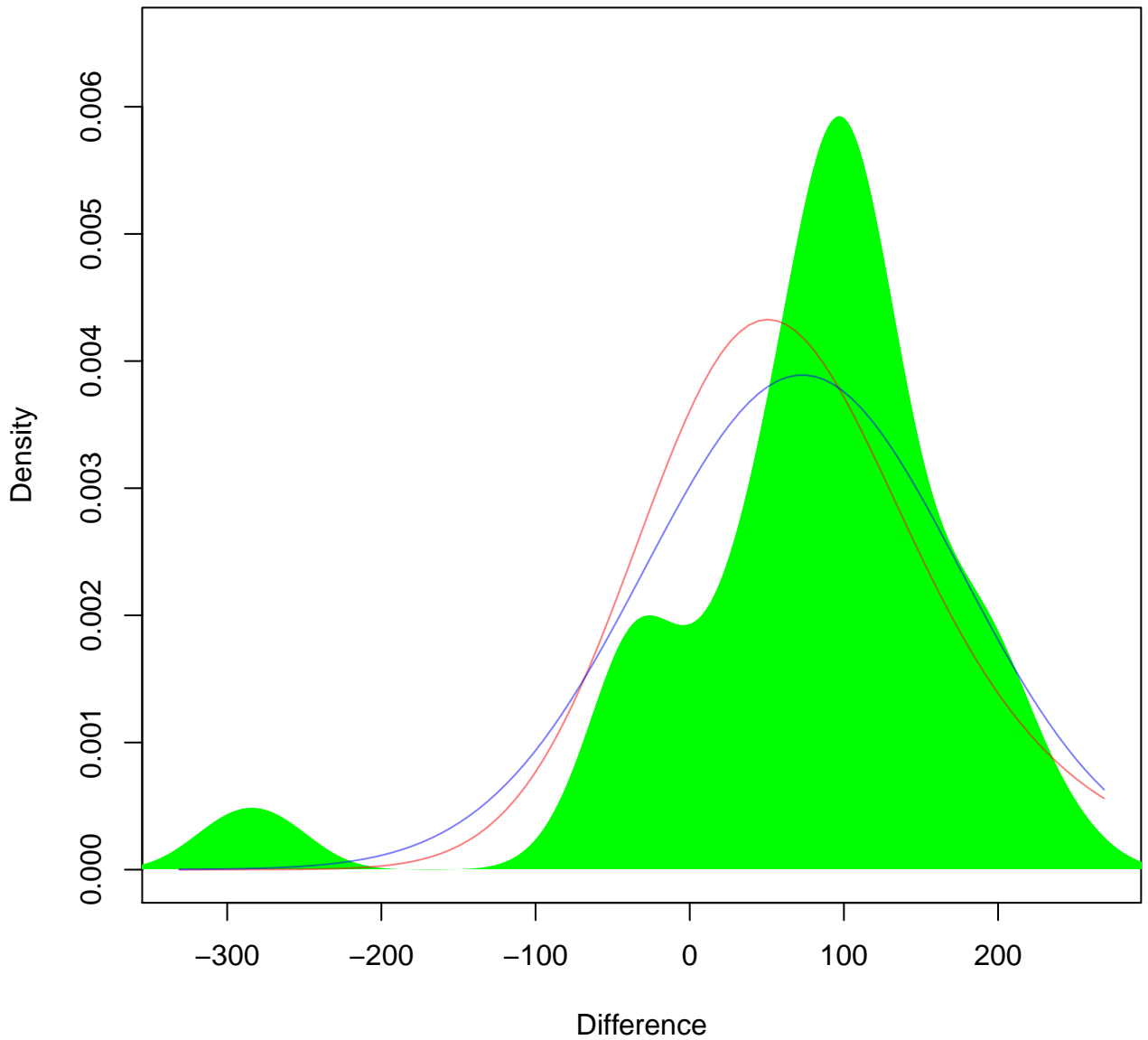
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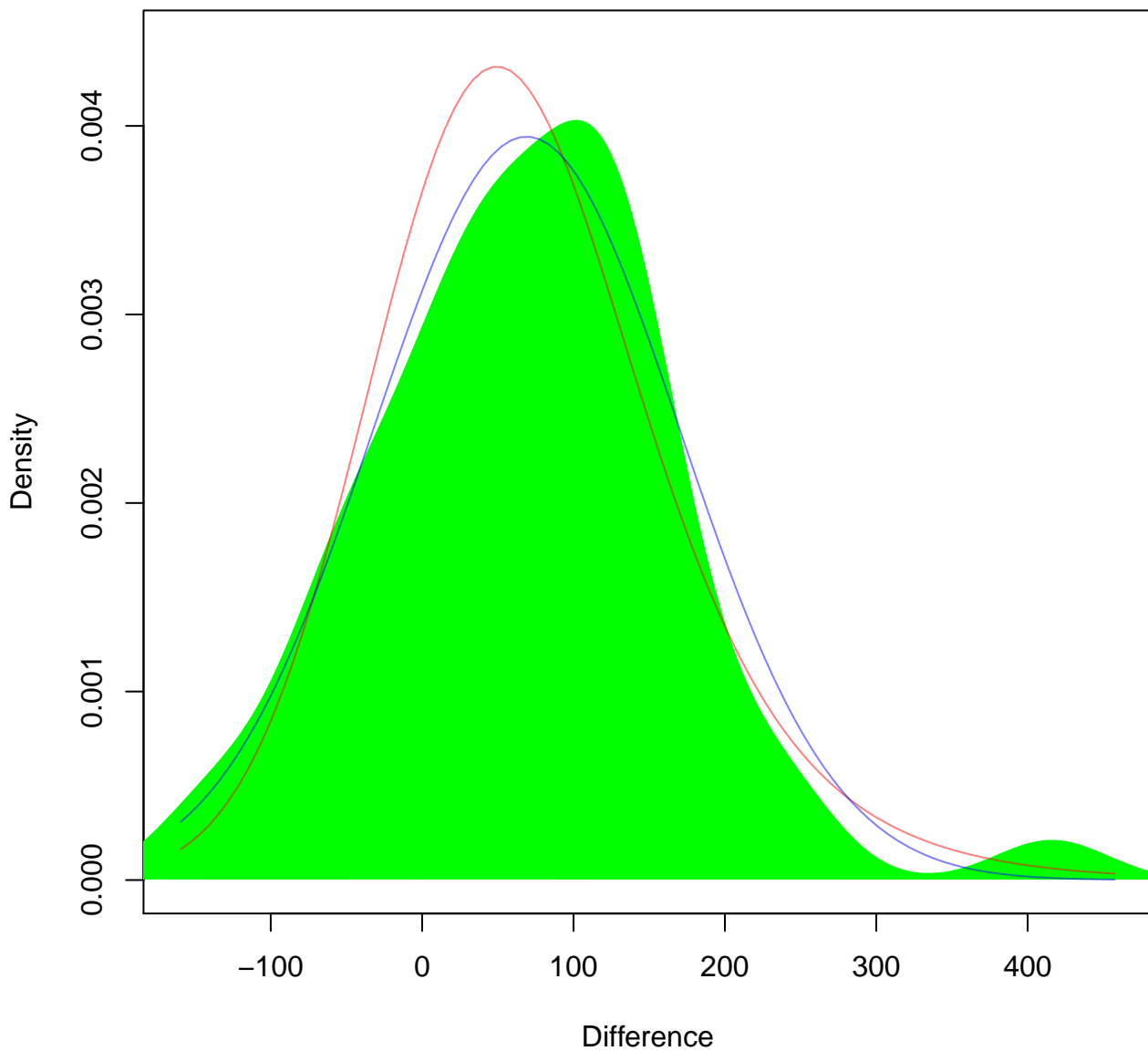
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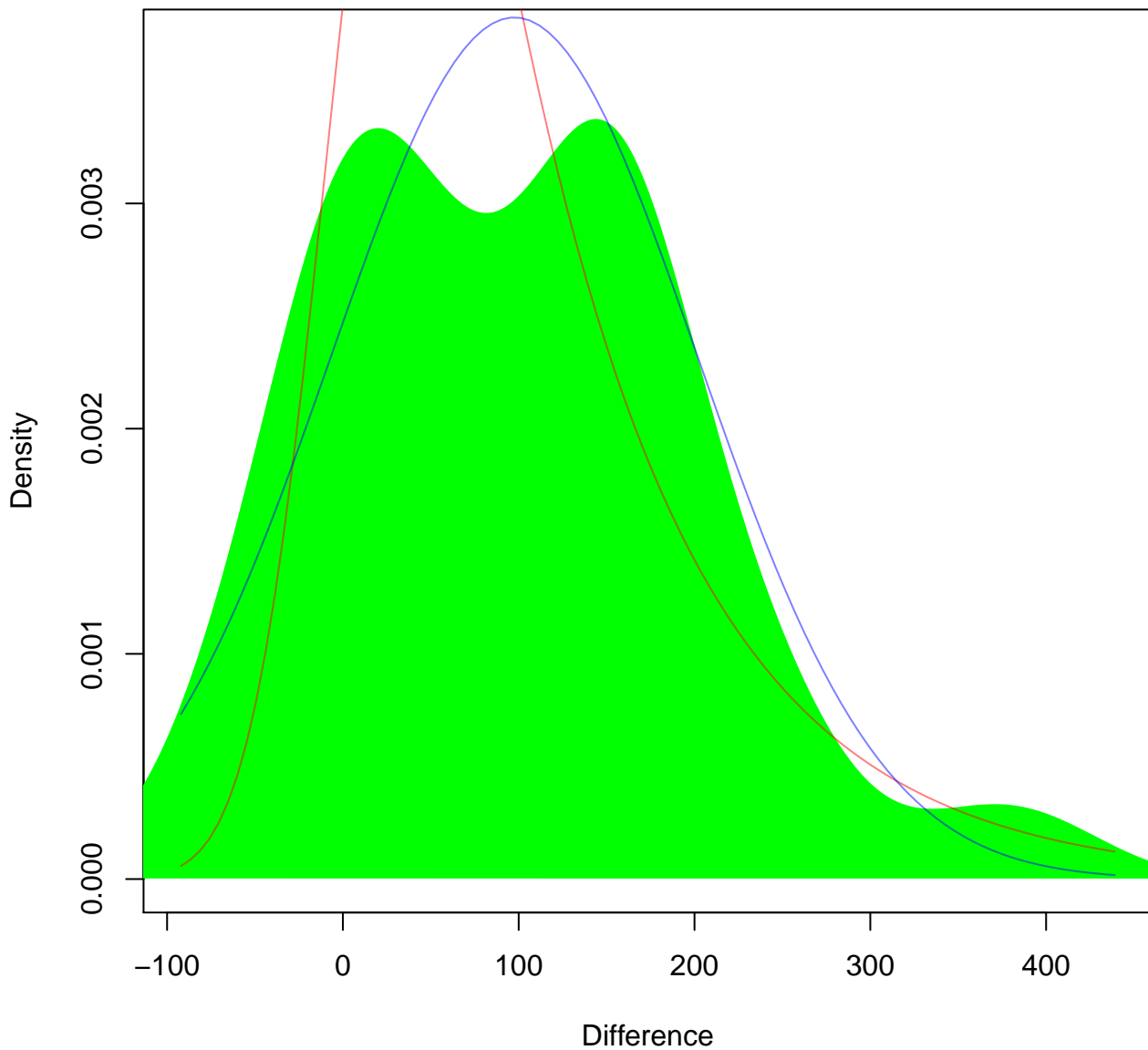
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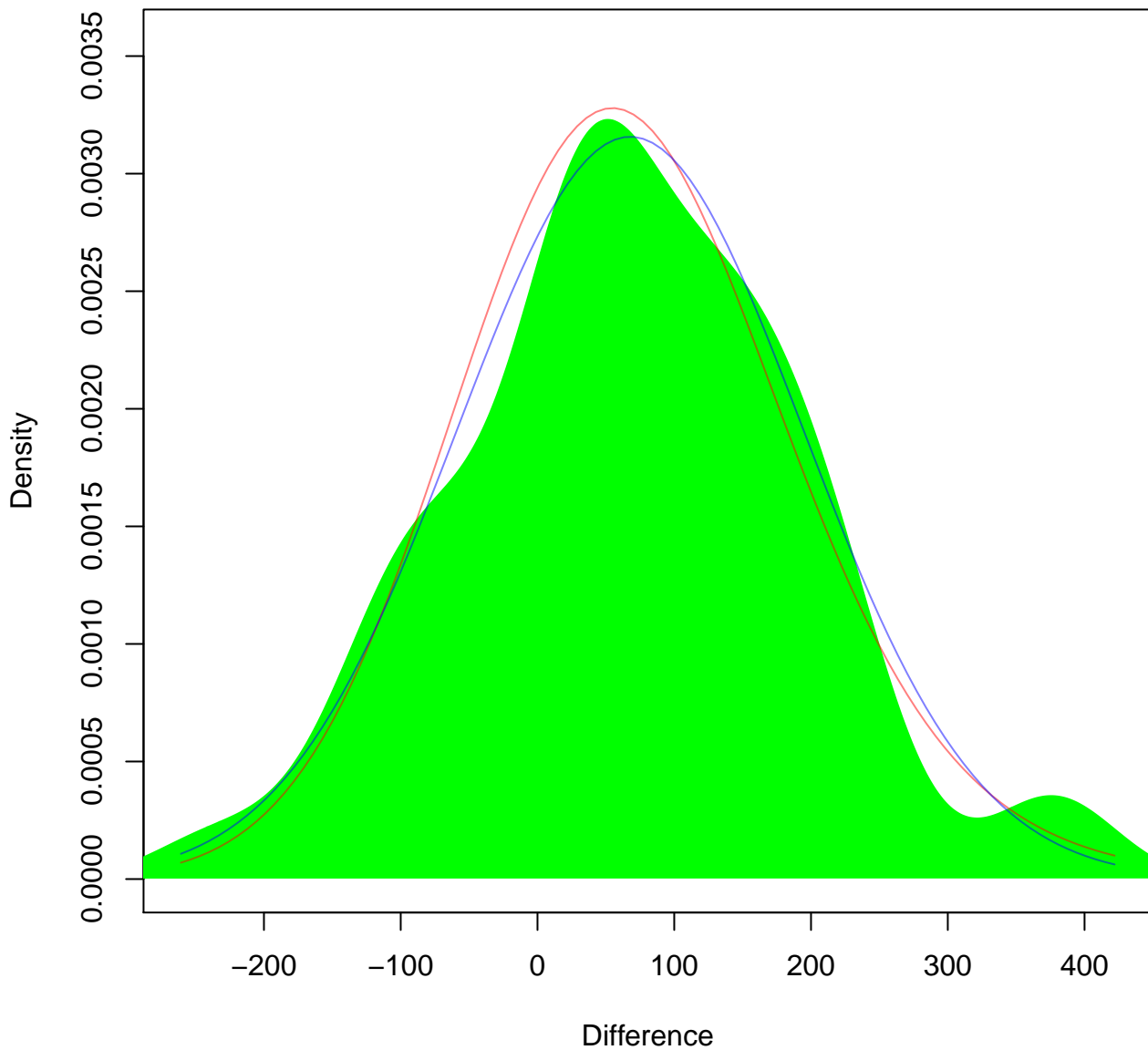
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8



9



Overall

