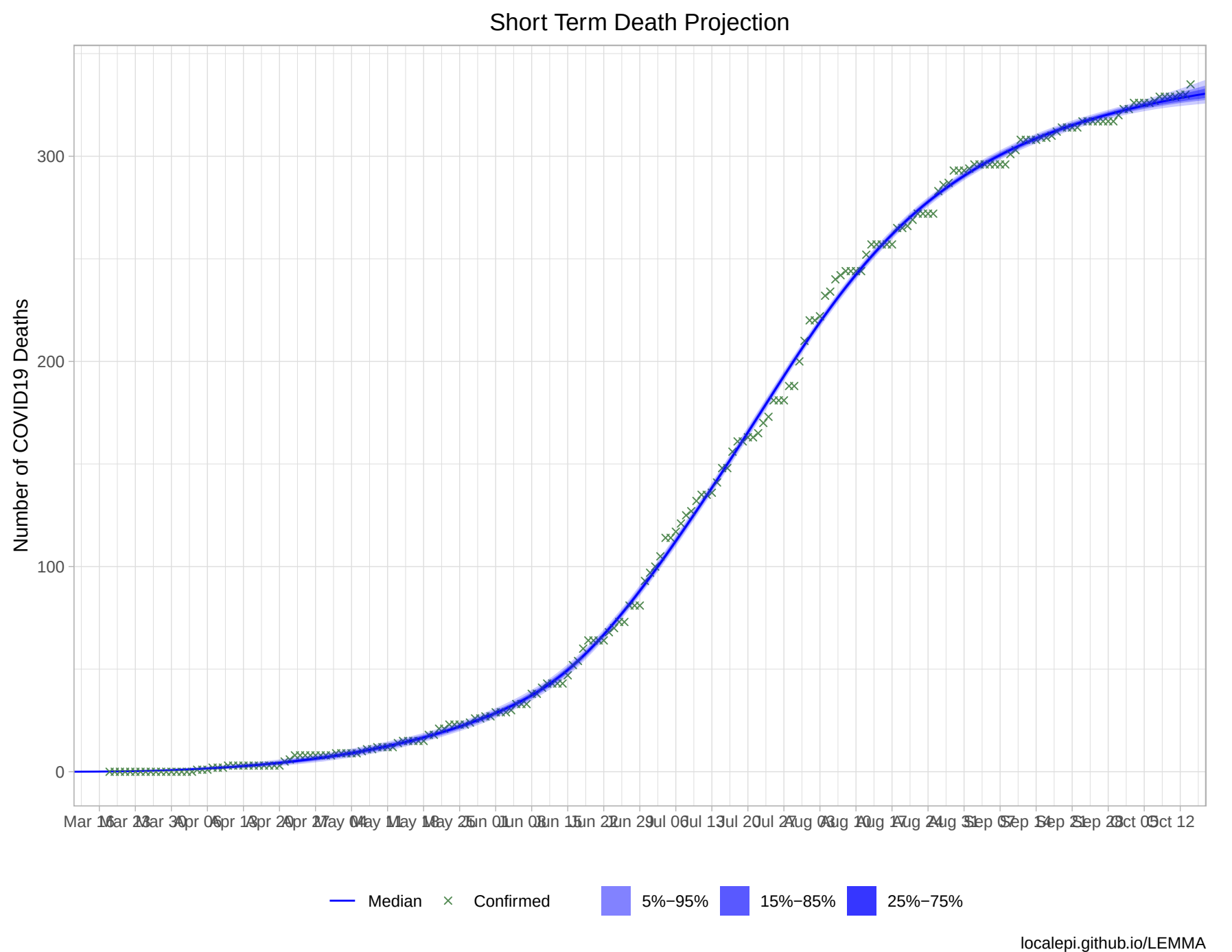
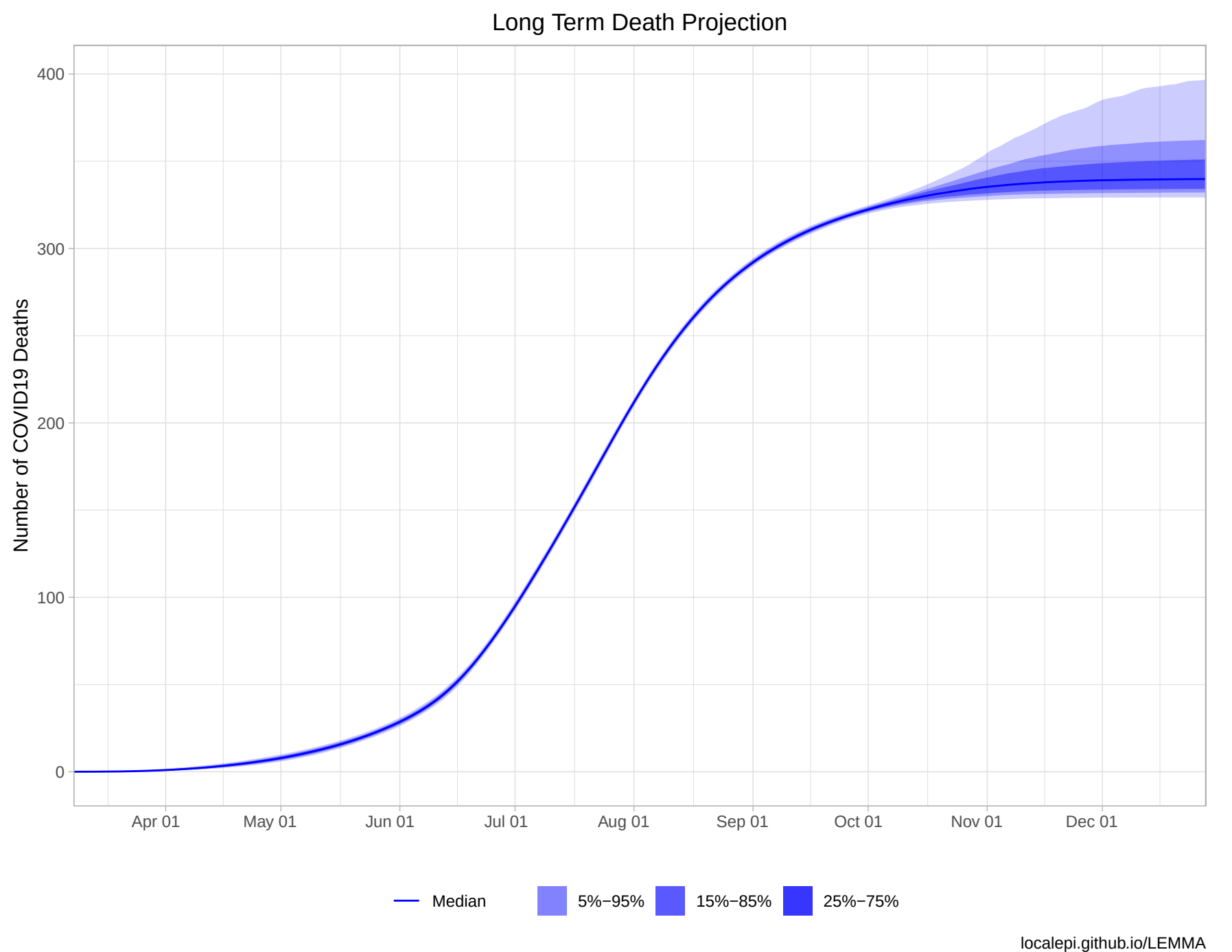
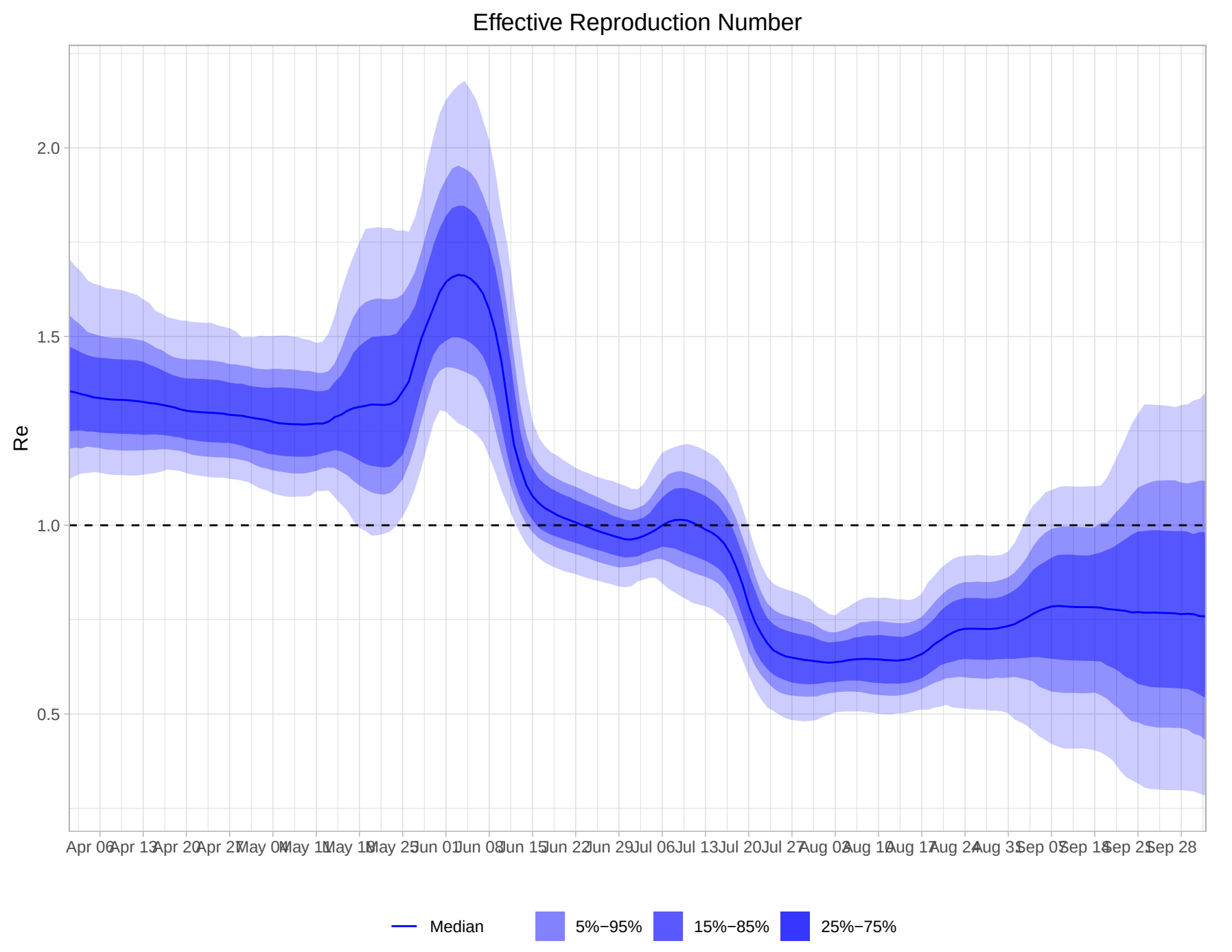
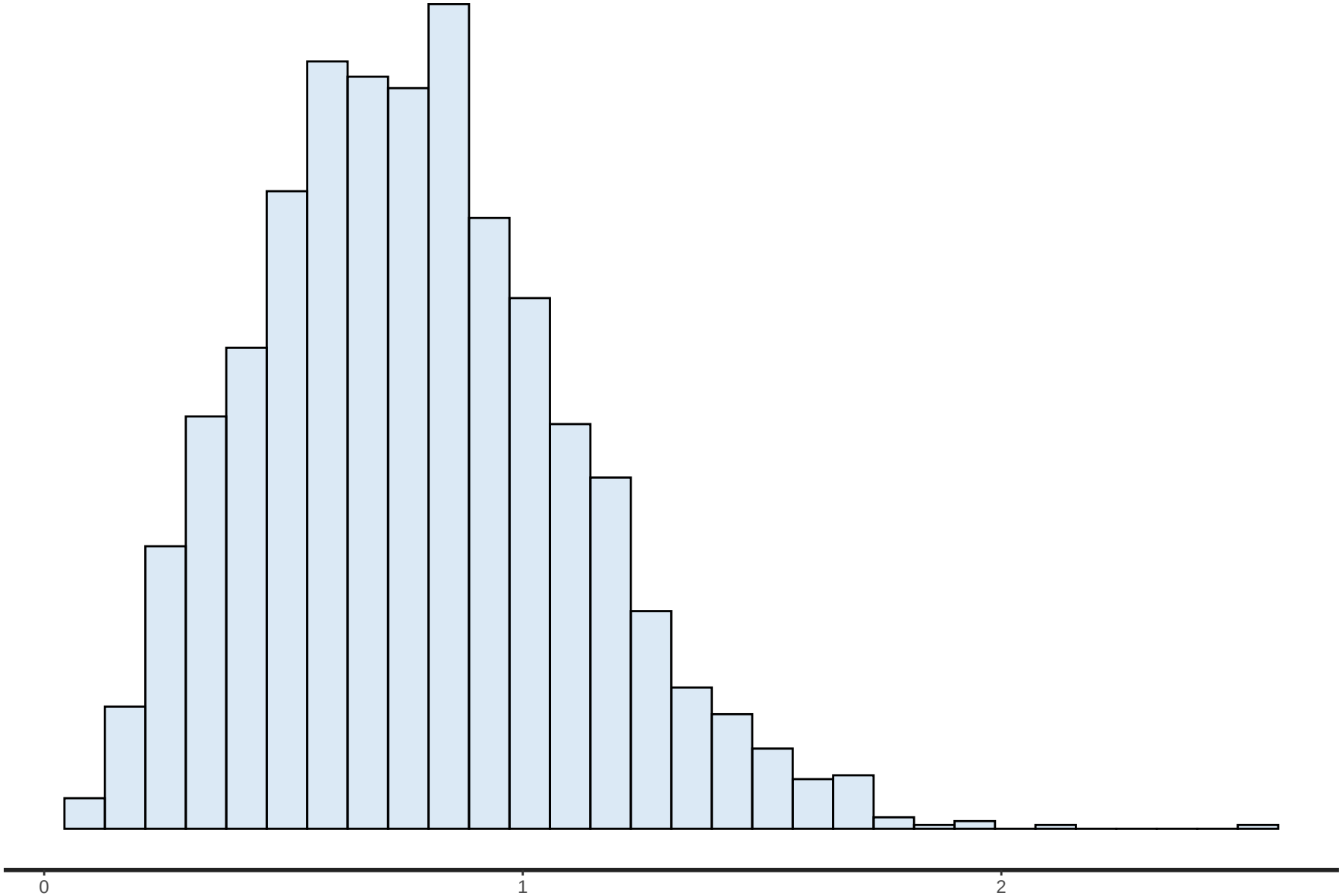

Short Term Death Projection
Number of COVID19 Deaths
0
100
200
300
Mar 16
Mar 23
Mar 30
Apr 06
Apr 13
Apr 20
Apr 27
May 04
May 11
May 18
May 25
Jun 01
Jun 08
Jun 15
Jun 22
Jun 29
Jul 06
Jul 13
Jul 20
Jul 27
Aug 03
Aug 10
Aug 17
Aug 24
Aug 31
Sep 07
Sep 14
Sep 21
Sep 28
Oct 05
Oct 12
Median
Confirmed
5%−95%
15%−85%
25%−75%
localepi.github.io/LEMMA

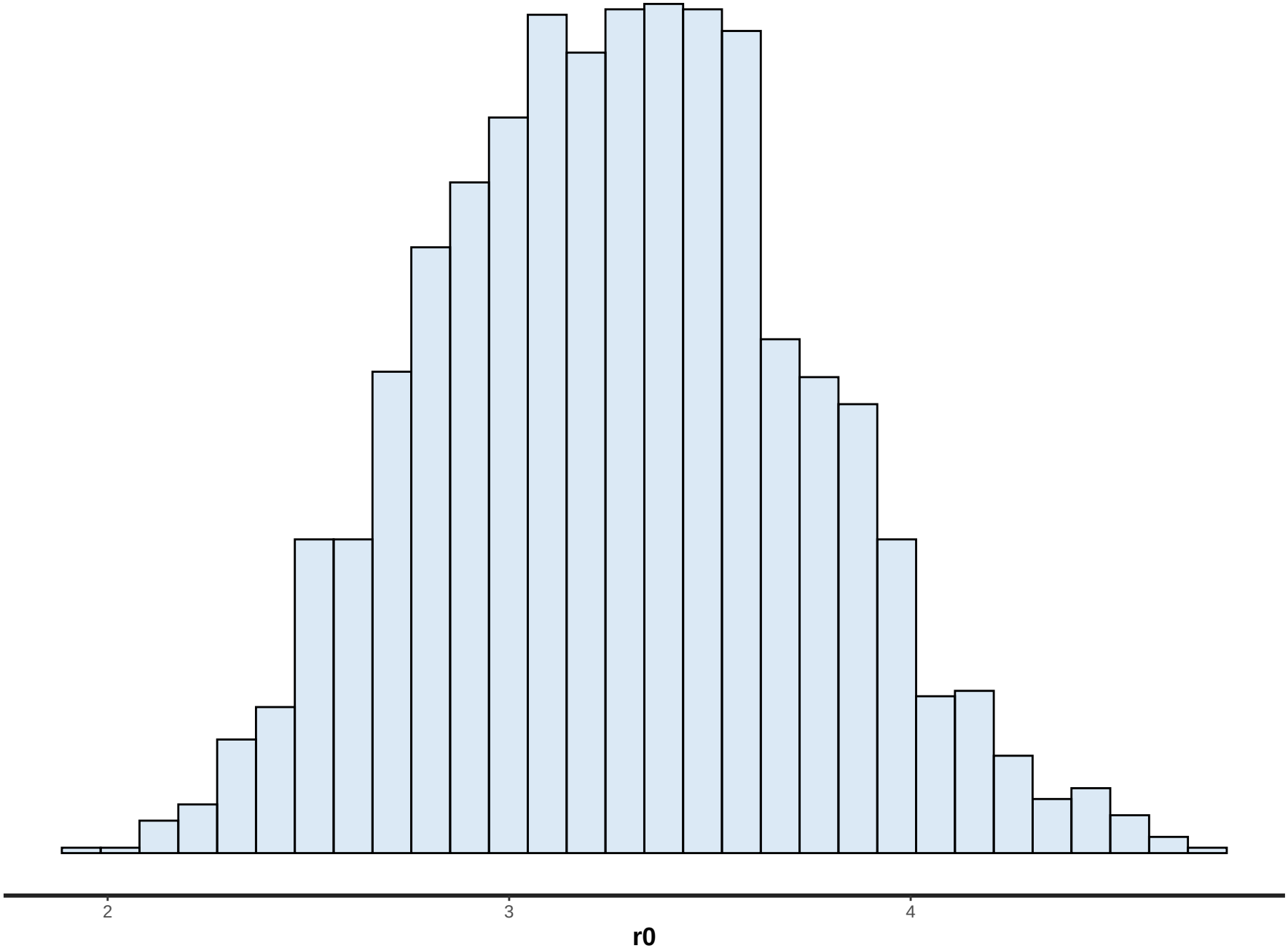

Long Term Death Projection
Number of COVID19 Deaths
400
300
200
100
0
Apr 01
May 01
Jun 01
Jul 01
Aug 01
Sep 01
Oct 01
Nov 01
Dec 01
Median
5%−95%
15%−85%
25%−75%
localepi.github.io/LEMMA


Effective Reproduction Number
Re
2.0
1.5
1.0
0.5
Apr 06
Apr 13
Apr 20
Apr 27
May 04
May 11
May 18
May 25
Jun 01
Jun 08
Jun 15
Jun 22
Jun 29
Jul 06
Jul 13
Jul 20
Jul 27
Aug 03
Aug 10
Aug 17
Aug 24
Aug 31
Sep 07
Sep 14
Sep 21
Sep 28
Median
5%−95%
15%−85%
25%−75%

Rt as of 2020−10−02

5%	10%	25%	50%	75%	90%	95%
0.28	0.36	0.54	0.76	0.98	1.21	1.35

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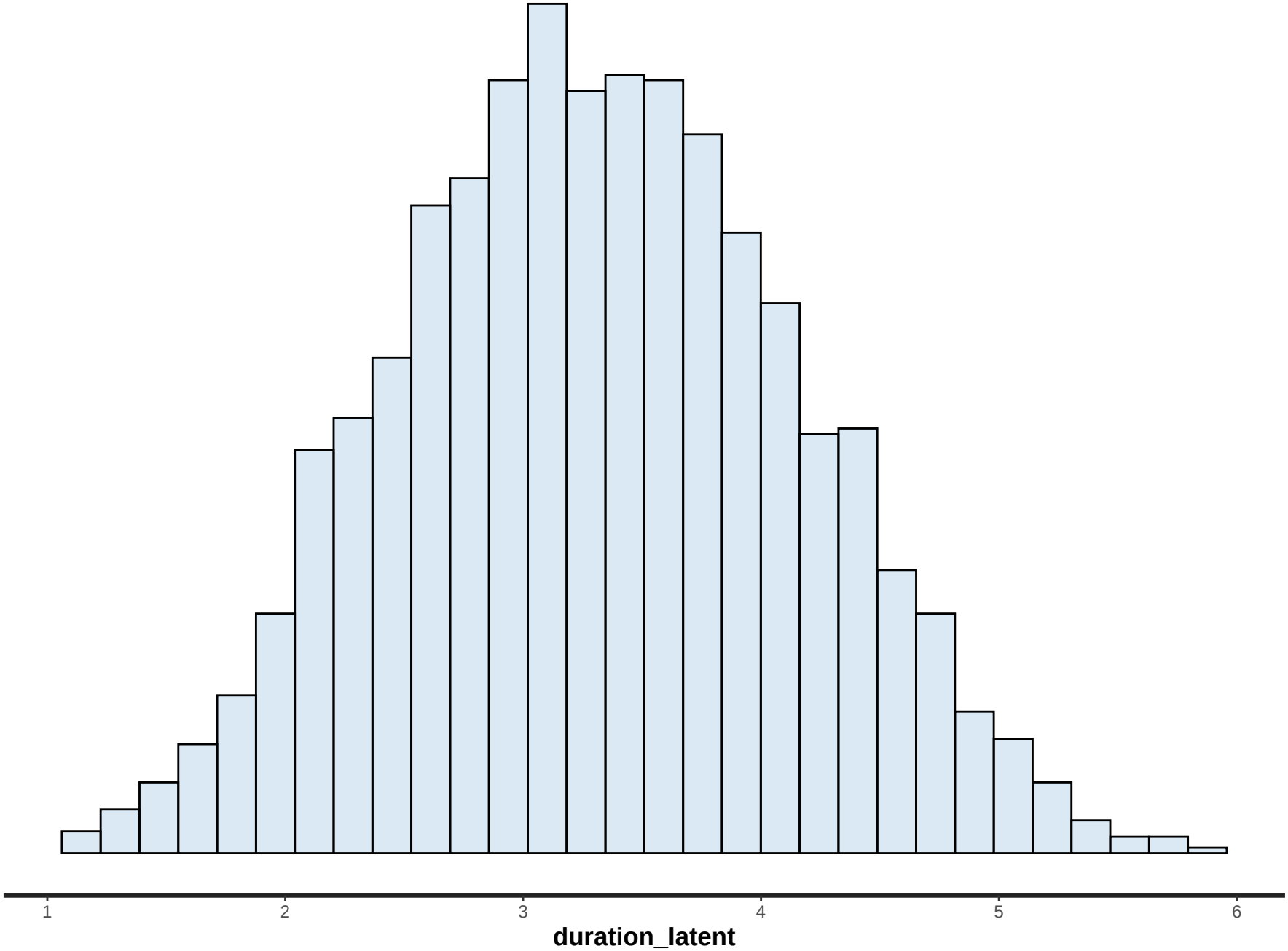
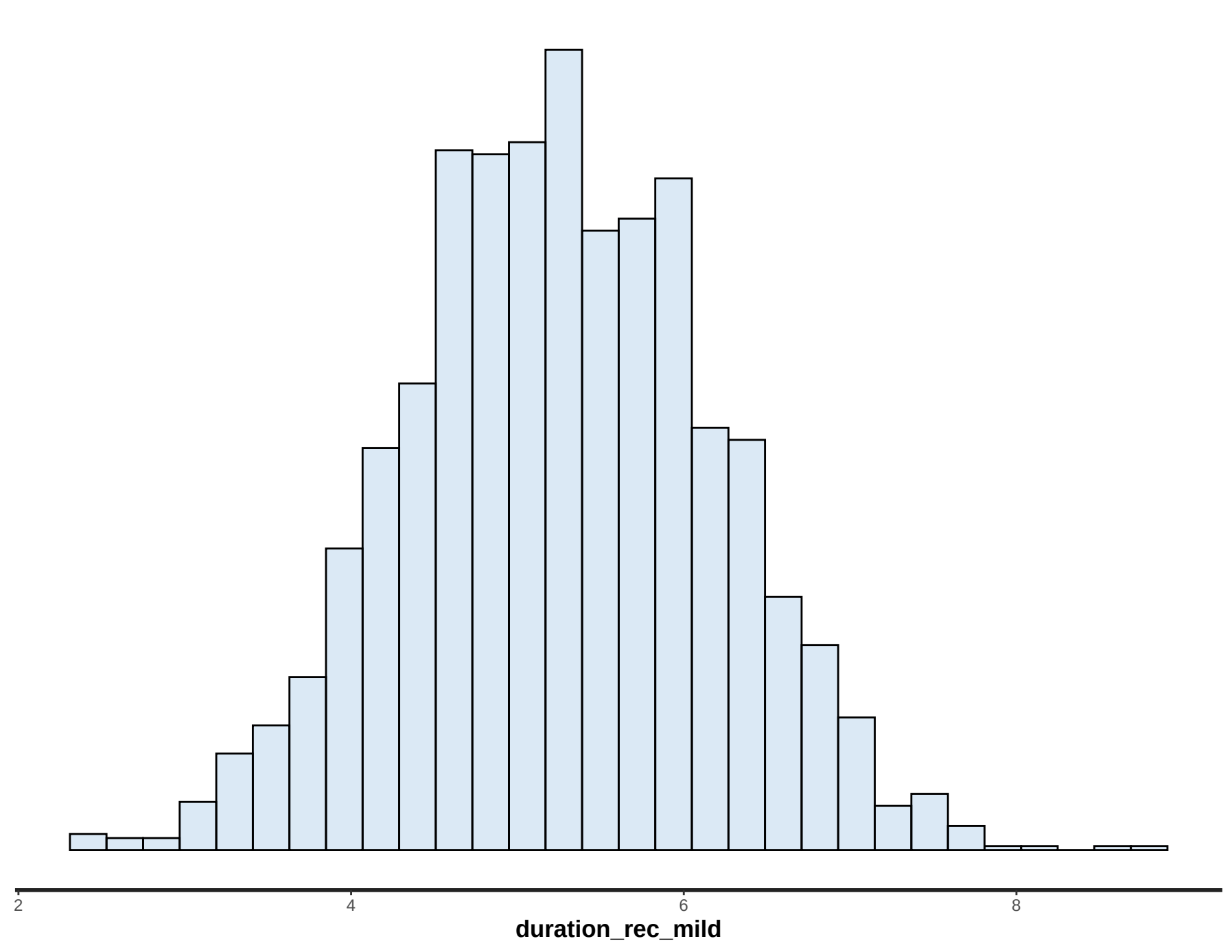
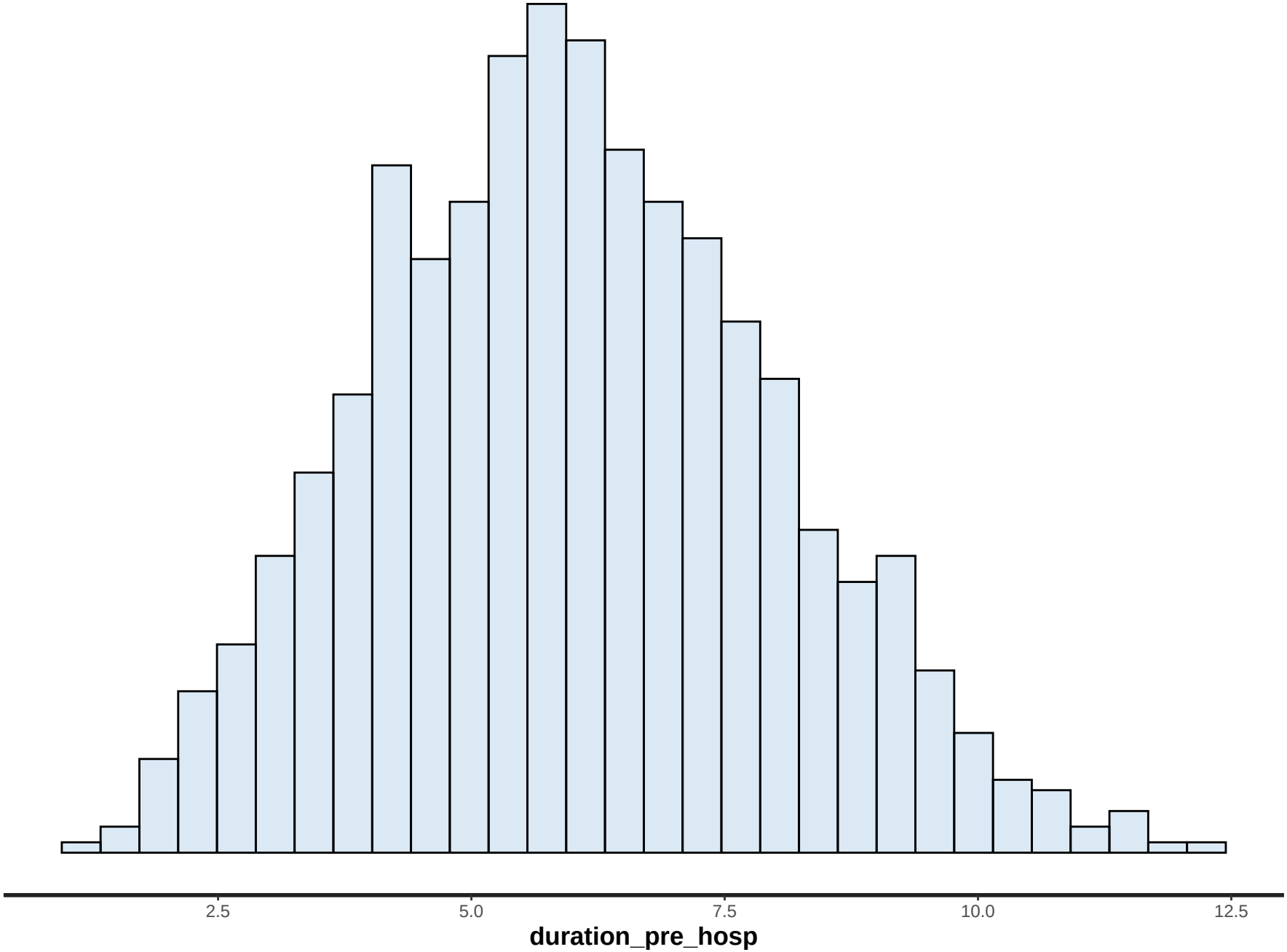
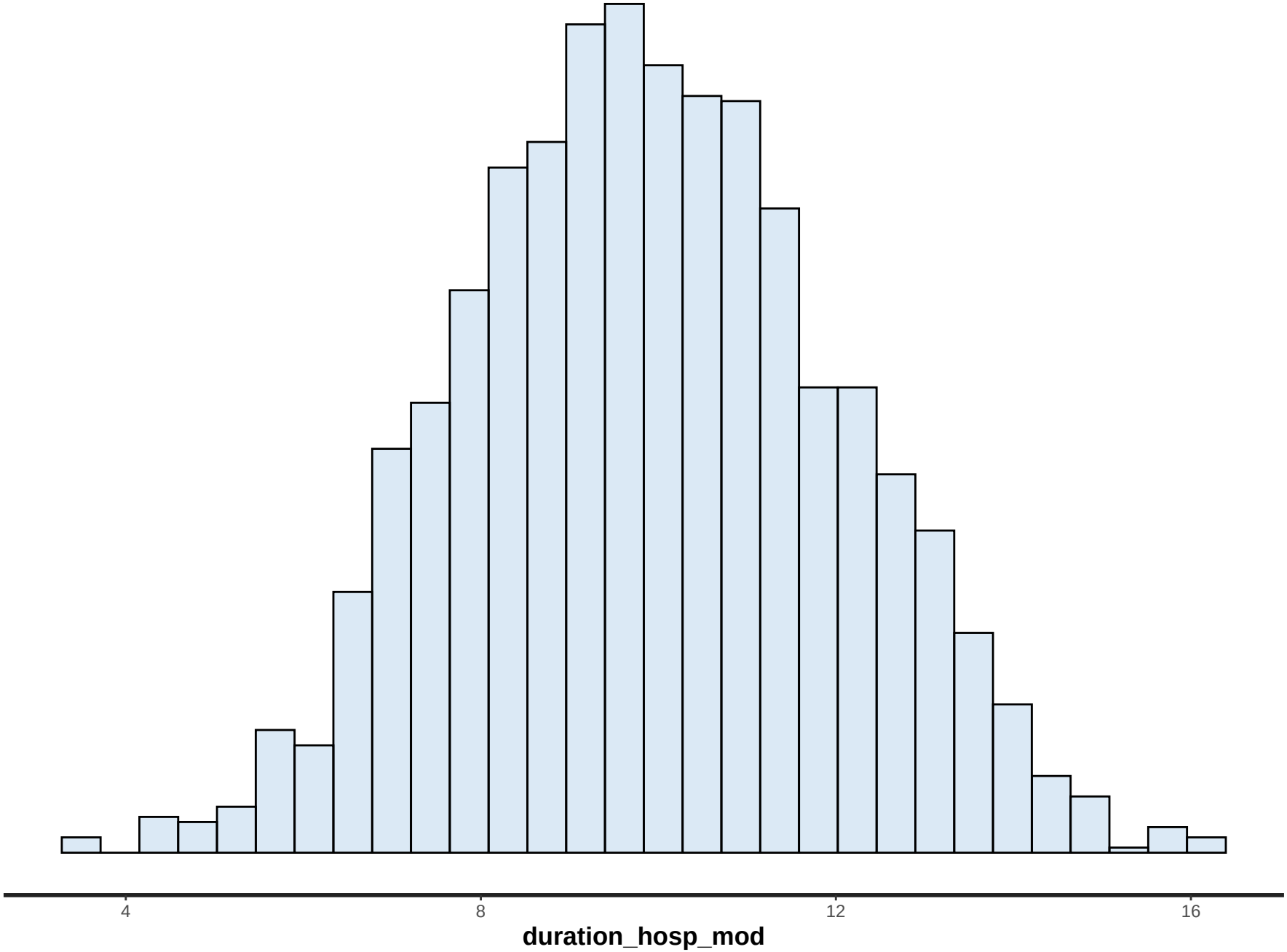
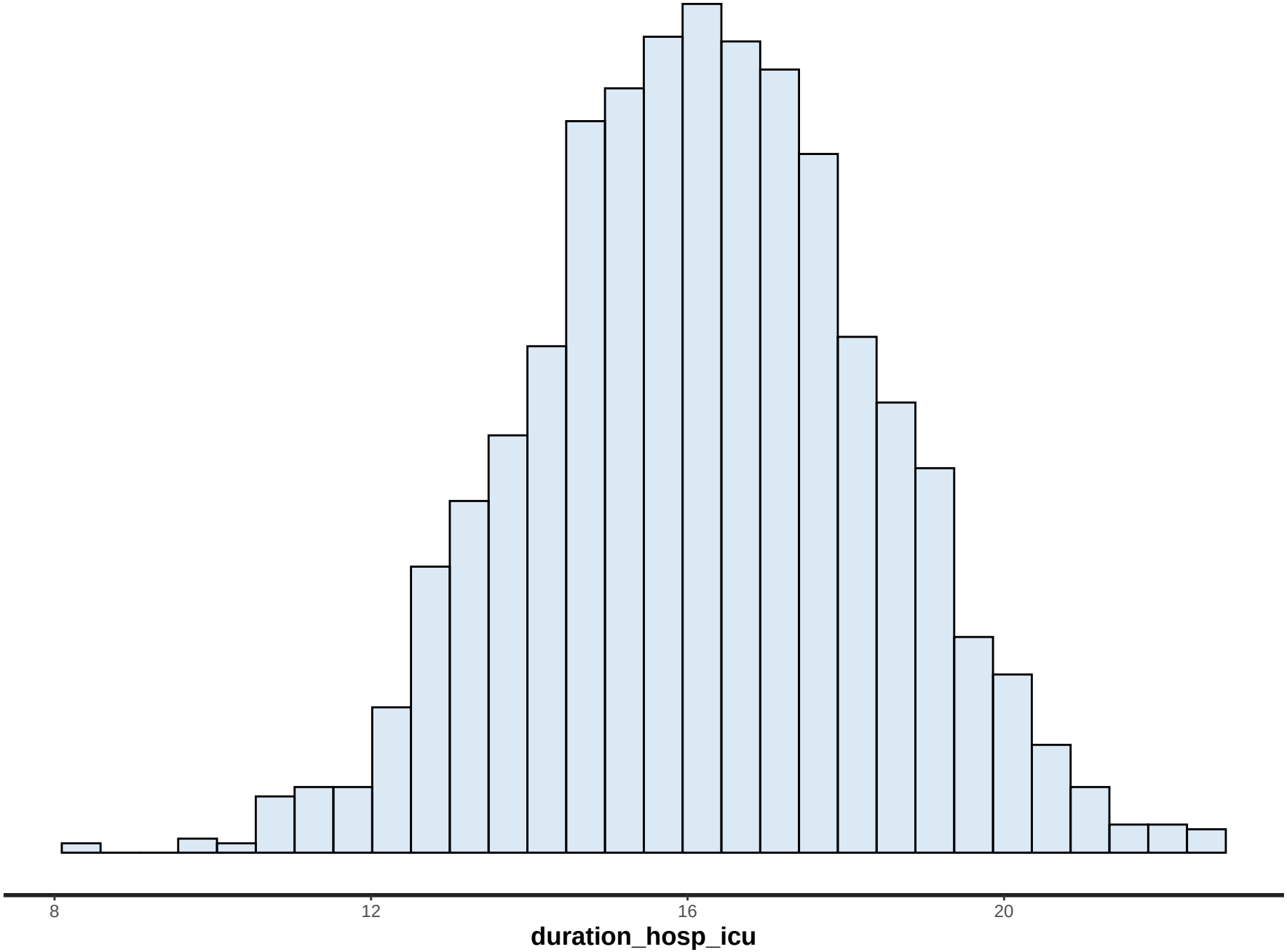
4
r0

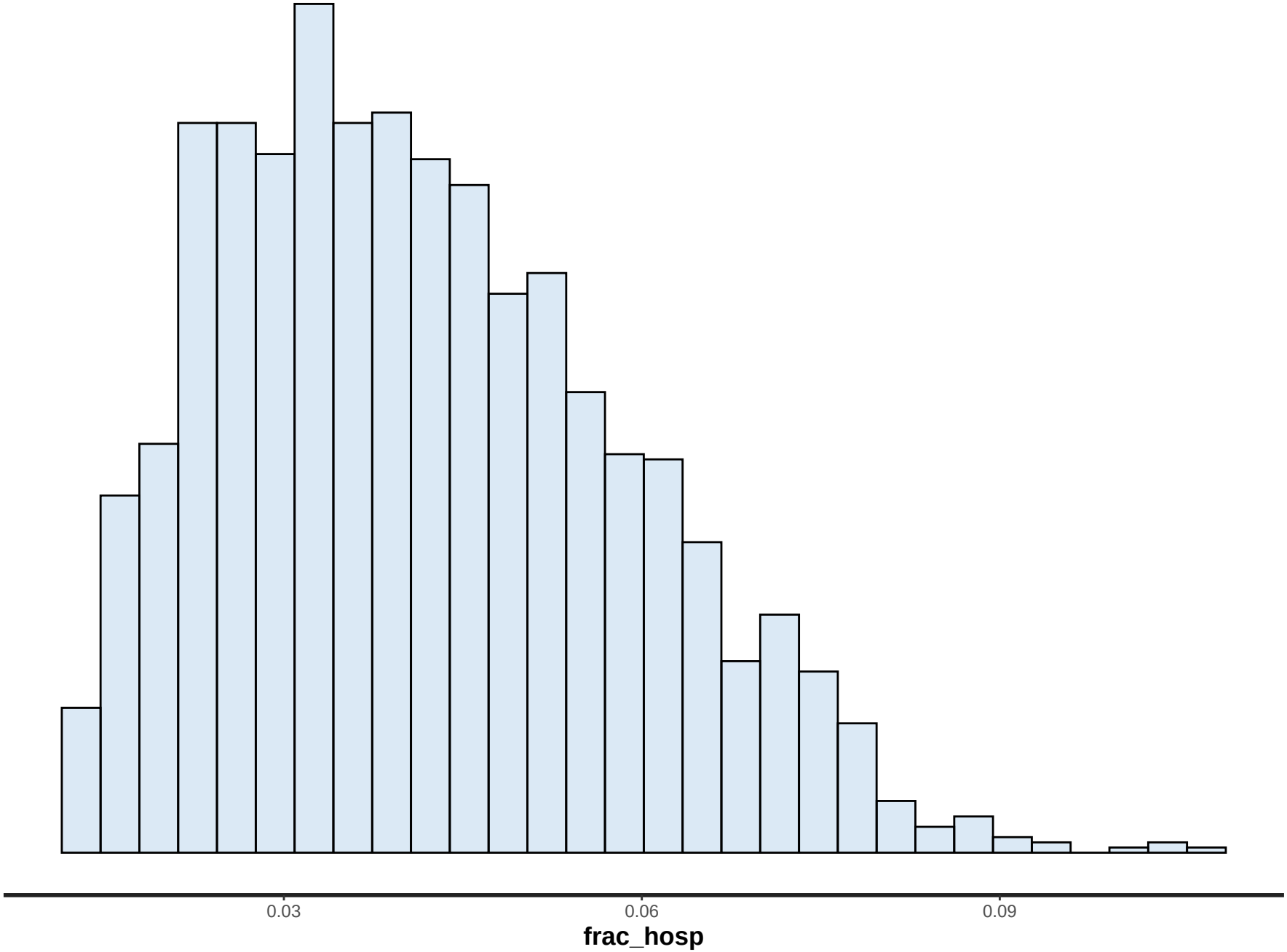

1
2
3
4
5
6
duration_latent


2
4
6
8
duration_rec_mild


2.5
5.0
7.5
10.0
12.5
duration_pre_hosp


4
8
12
16
duration_hosp_mod


8
12
16
20
duration_hosp_icu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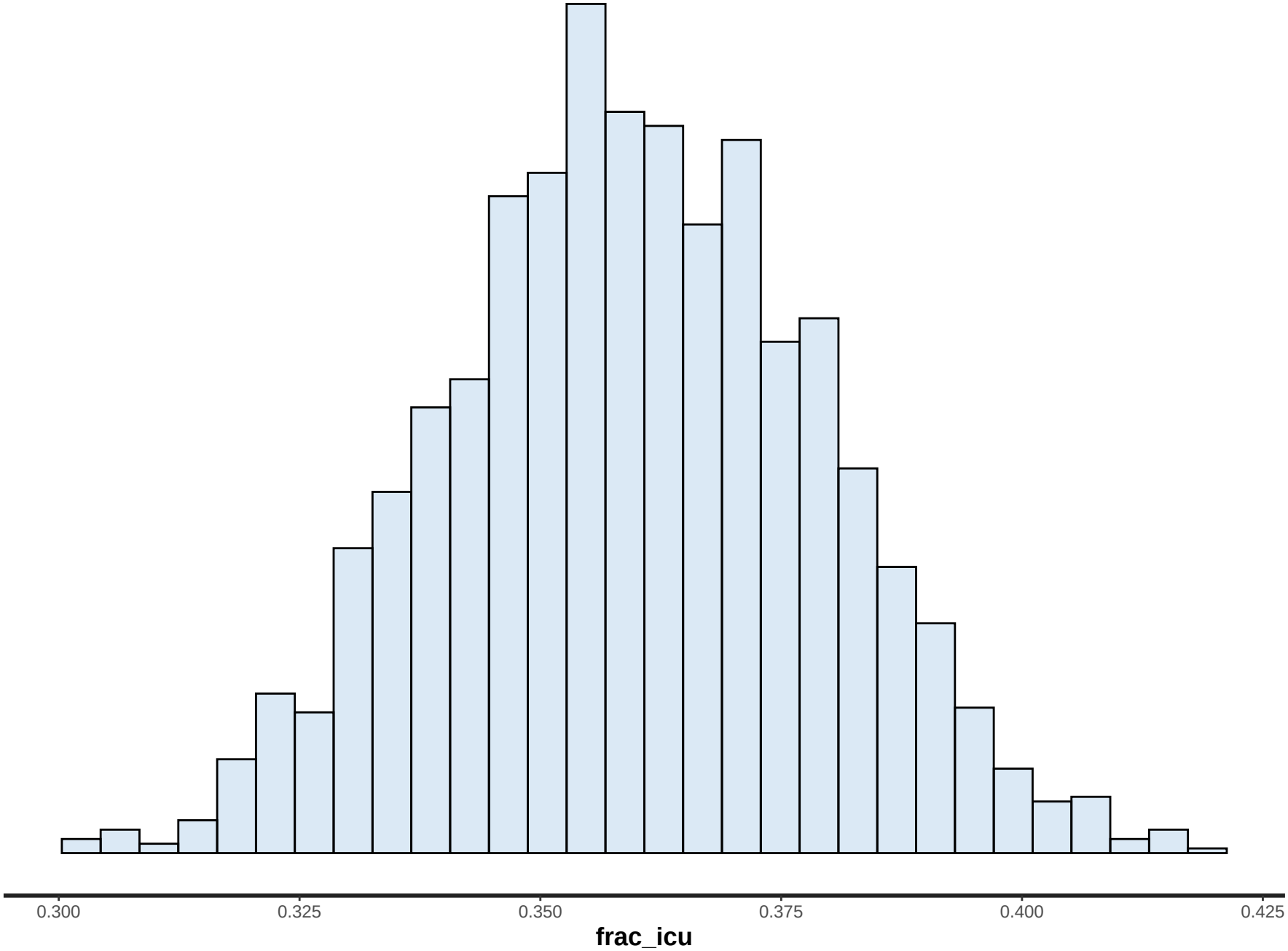
0.06
0.09
frac_hosp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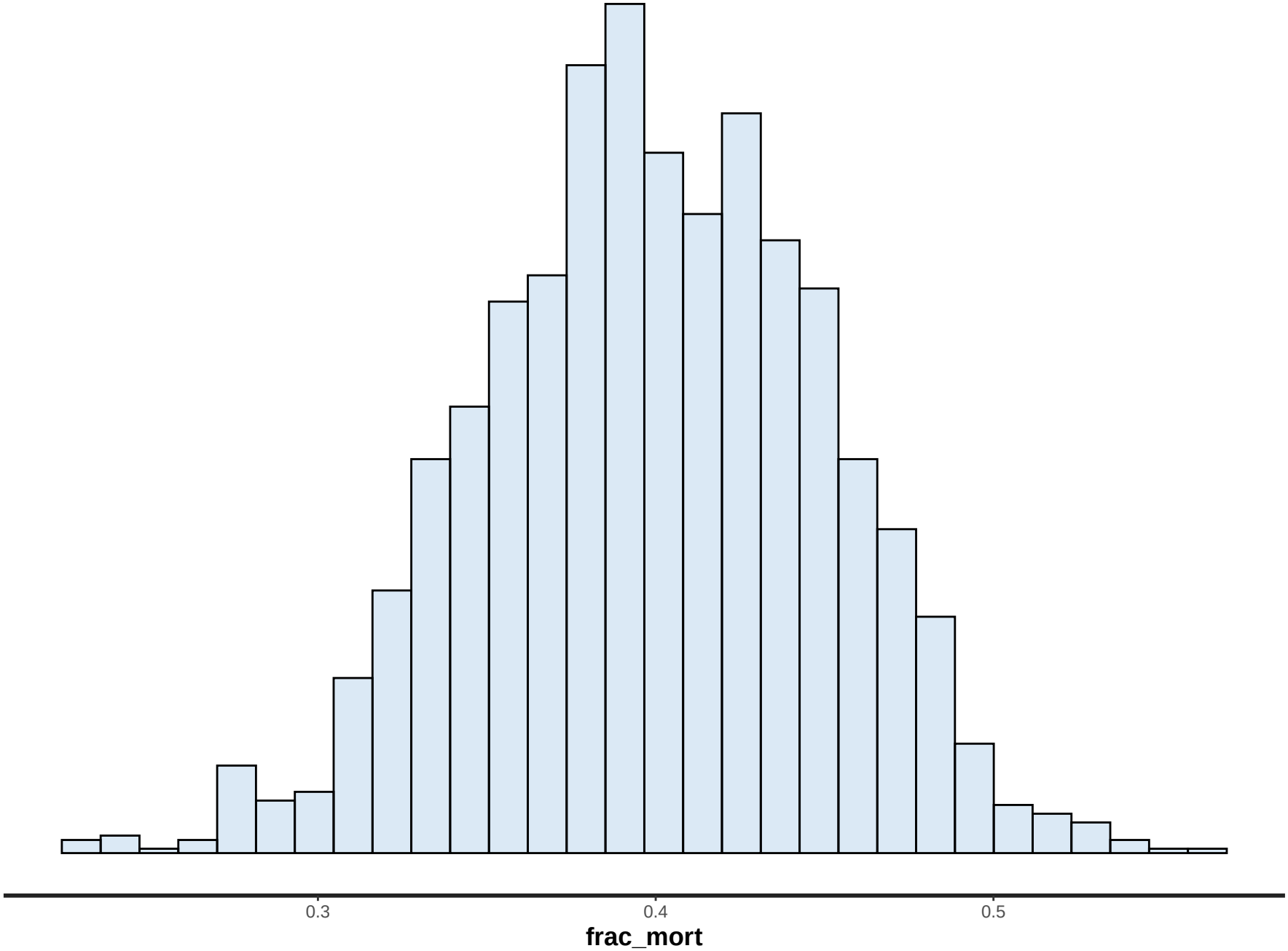
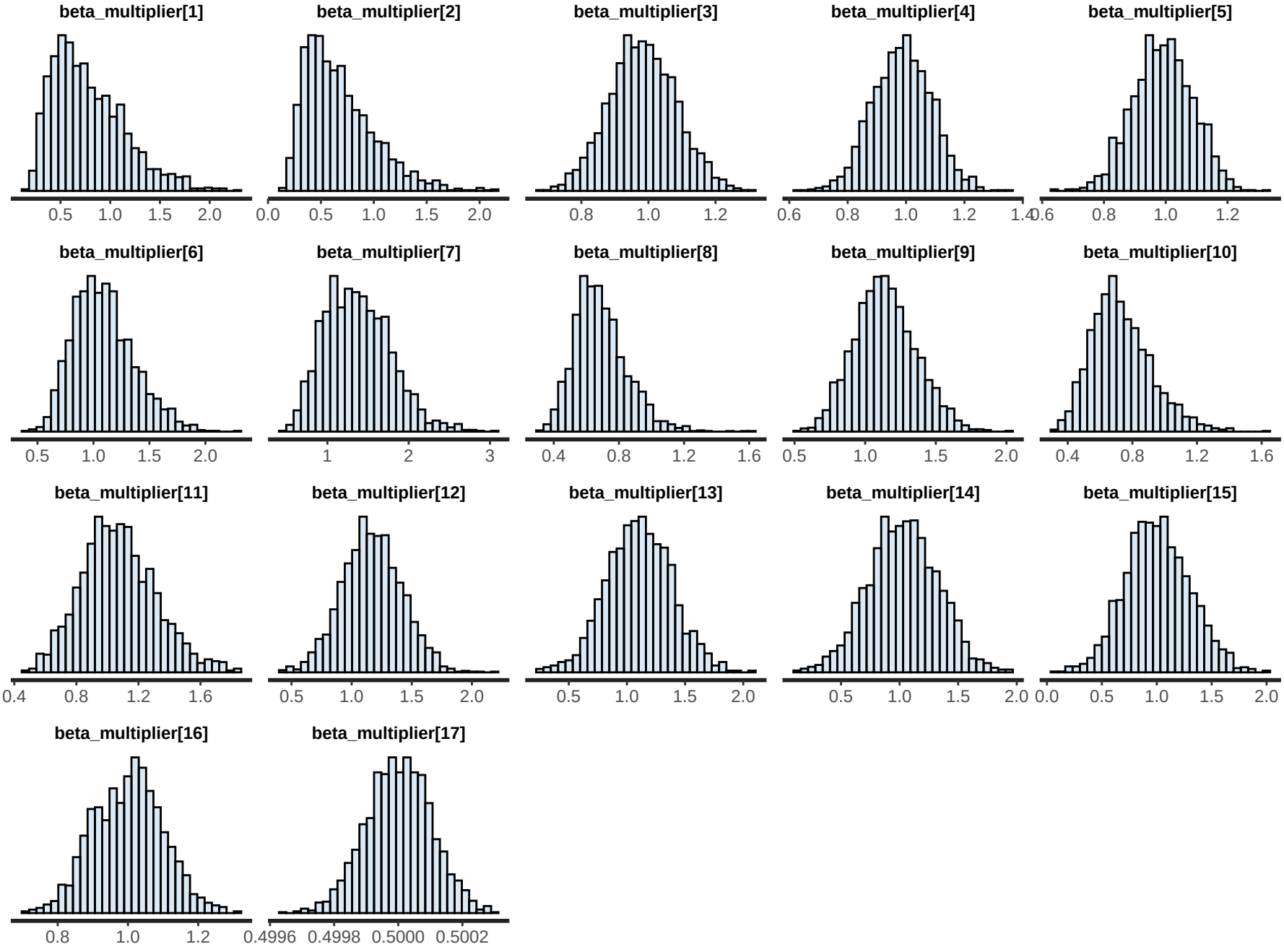
0.325
0.350
0.375
0.400
0.425
frac_icu


0.3
0.4
0.5
frac_mort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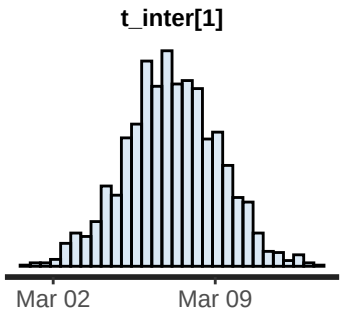
beta_multiplier[2]
0.0 0.5 1.0 1.5 2.0
beta_multiplier[3]
0.8 1.0 1.2
beta_multiplier[4]
0.6 0.8 1.0 1.2 1.4
beta_multiplier[5]
0.6 0.8 1.0 1.2
beta_multiplier[6]
0.5 1.0 1.5 2.0
beta_multiplier[7]
1 2 3
beta_multiplier[8]
0.4 0.8 1.2 1.6
beta_multiplier[9]
0.5 1.0 1.5 2.0
beta_multiplier[10]
0.4 0.8 1.2 1.6
beta_multiplier[11]
0.4 0.8 1.2 1.6
beta_multiplier[12]
0.5 1.0 1.5 2.0
beta_multiplier[13]
0.5 1.0 1.5 2.0
beta_multiplier[14]
0.5 1.0 1.5 2.0
beta_multiplier[15]
0.0 0.5 1.0 1.5 2.0
beta_multiplier[16]
0.8 1.0 1.2
beta_multiplier[17]
0.4996 0.4998 0.5000 0.5002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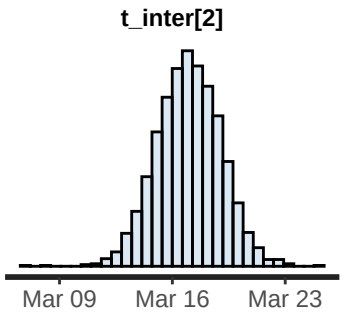
Mar 02
Mar 09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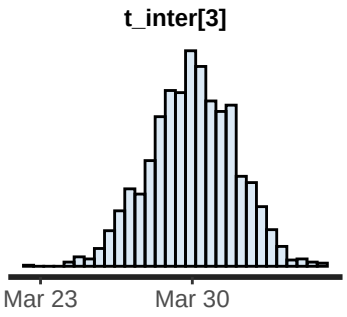
Mar 09
Mar 16
Mar 23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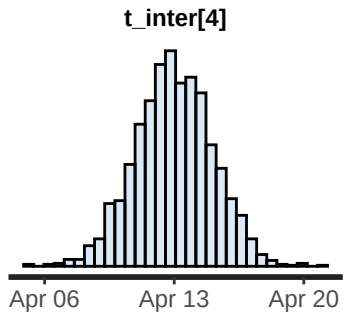
Mar 23
Mar 30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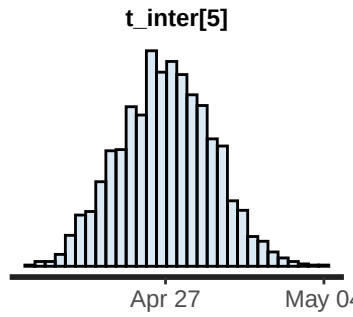
Apr 06
Apr 13
Apr 20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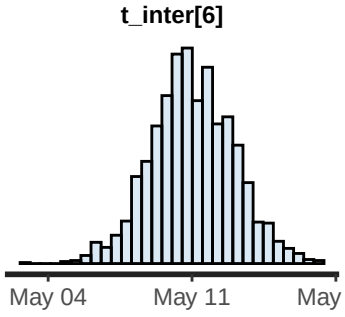
Apr 27
May 04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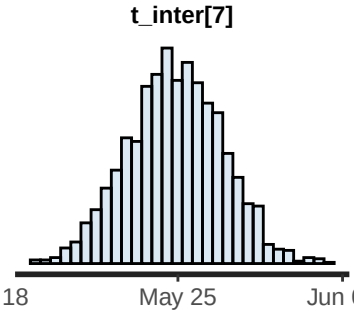
May 04
May 11
May 18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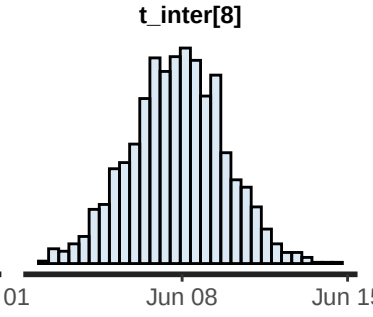
May 25
Jun 01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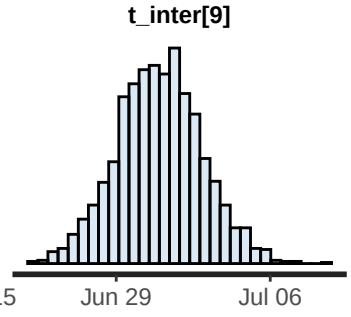
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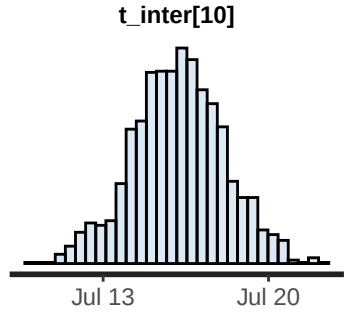
Jun 29
Jul 06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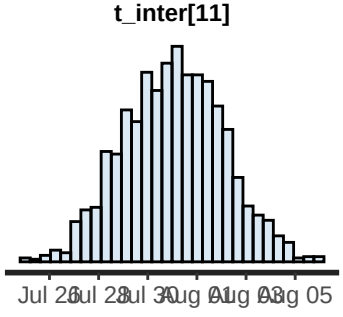
Jul 13
Jul 20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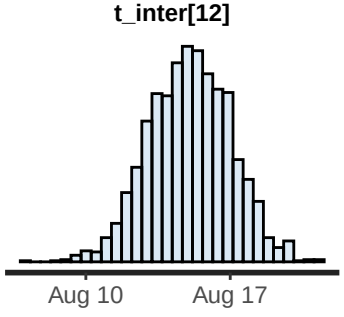
Jul 26
Jul 28
Jul 30
Aug 01
Aug 03
Aug 05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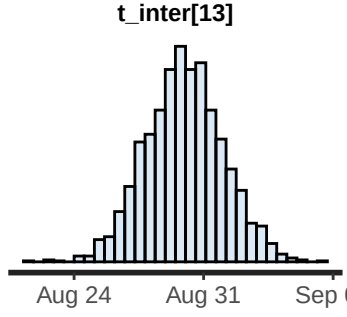
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Aug 31
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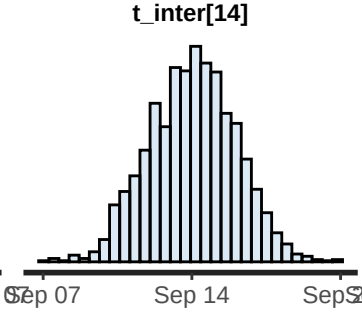
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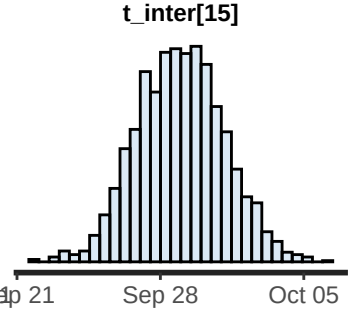
Sep 14
Sep 21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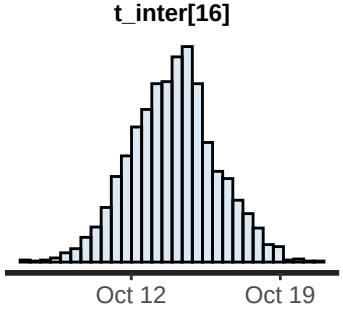
Sep 21
Sep 28
Oct 05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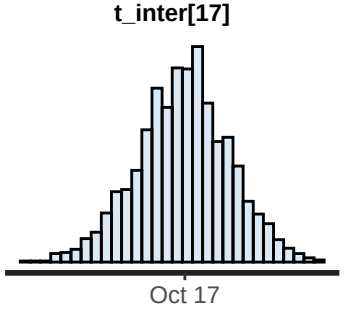
Oct 12
Oct 19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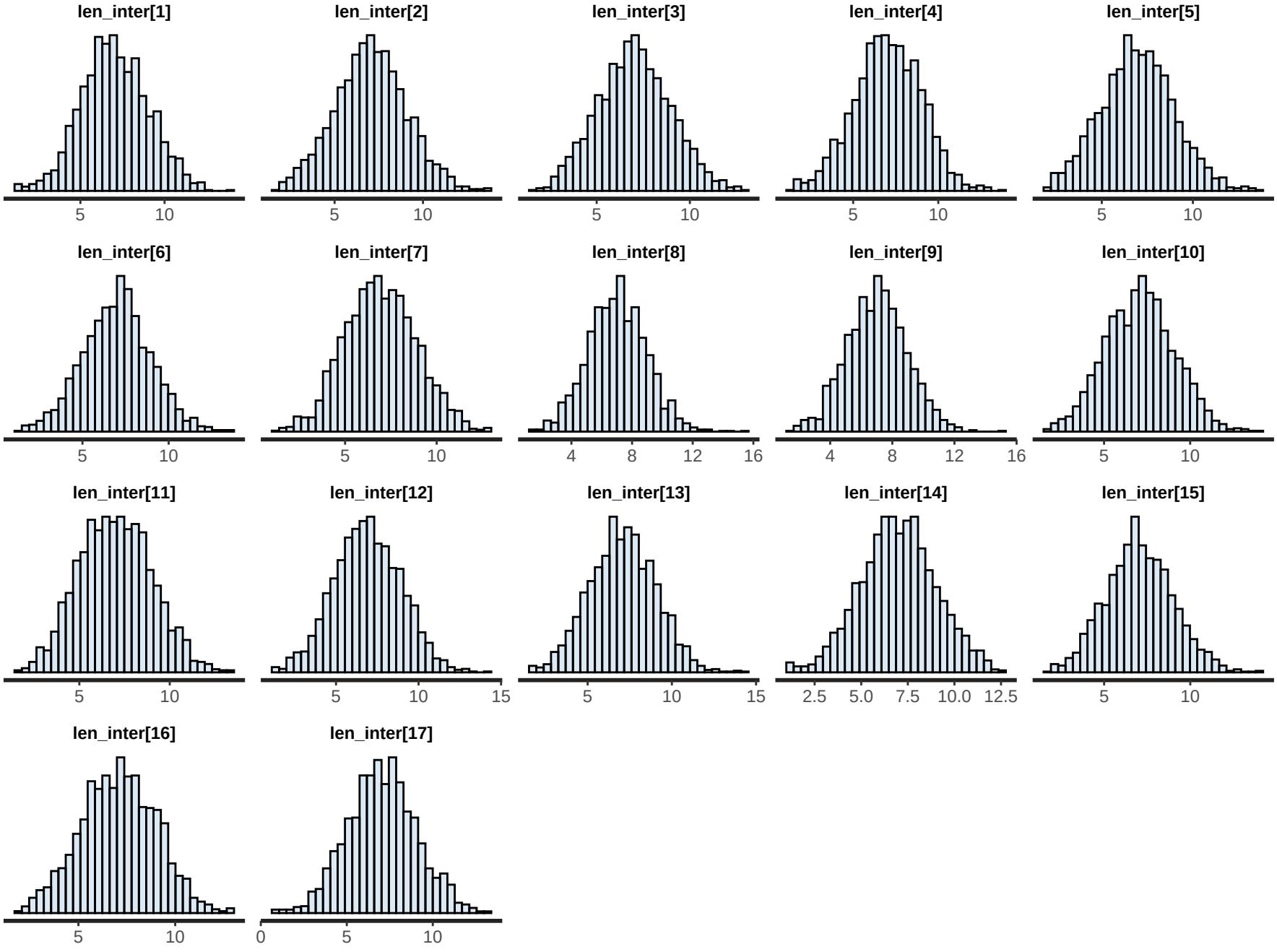
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len_inter[17]
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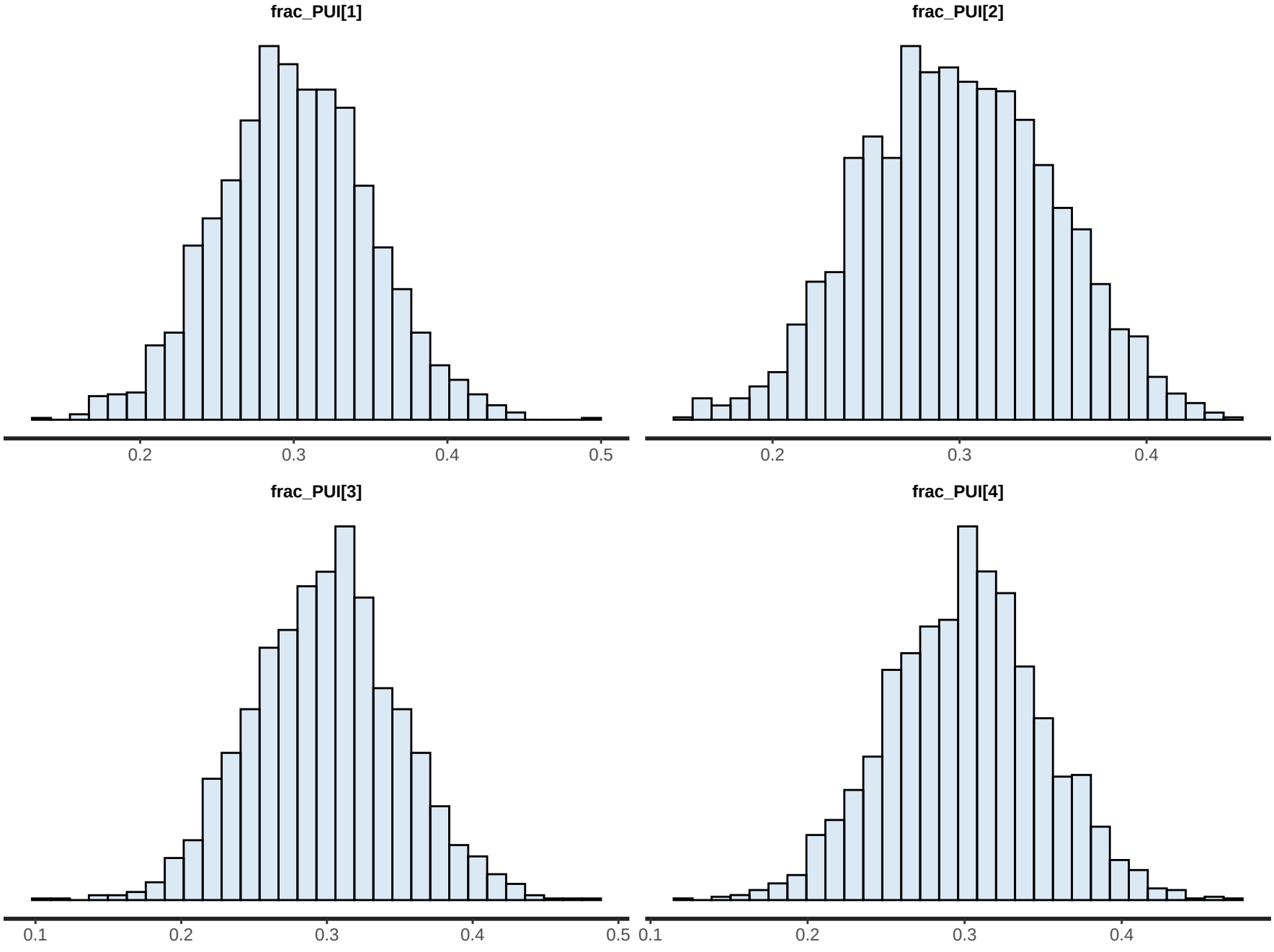
10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0.4
frac_PUI[3]
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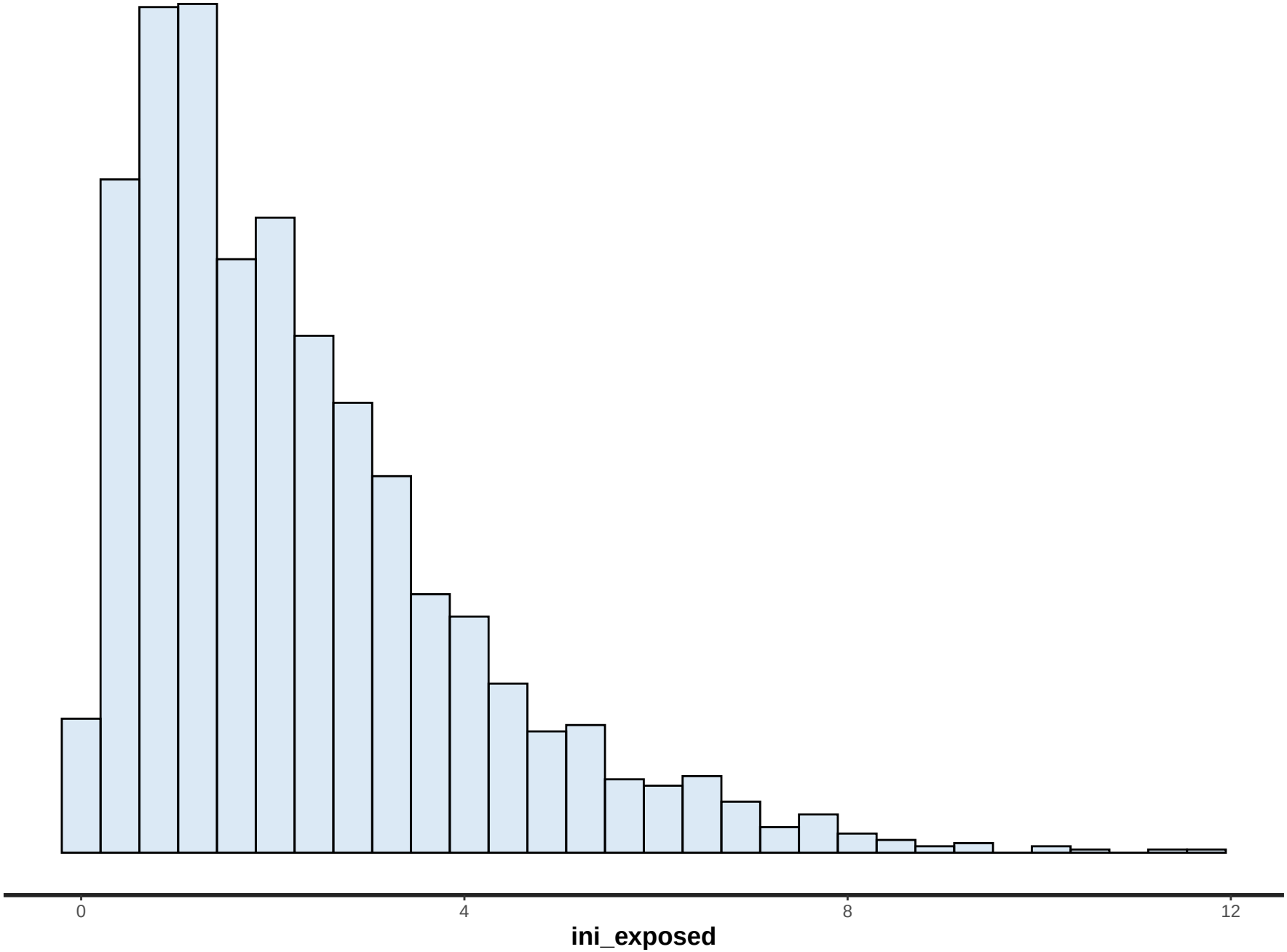
0.3
0.4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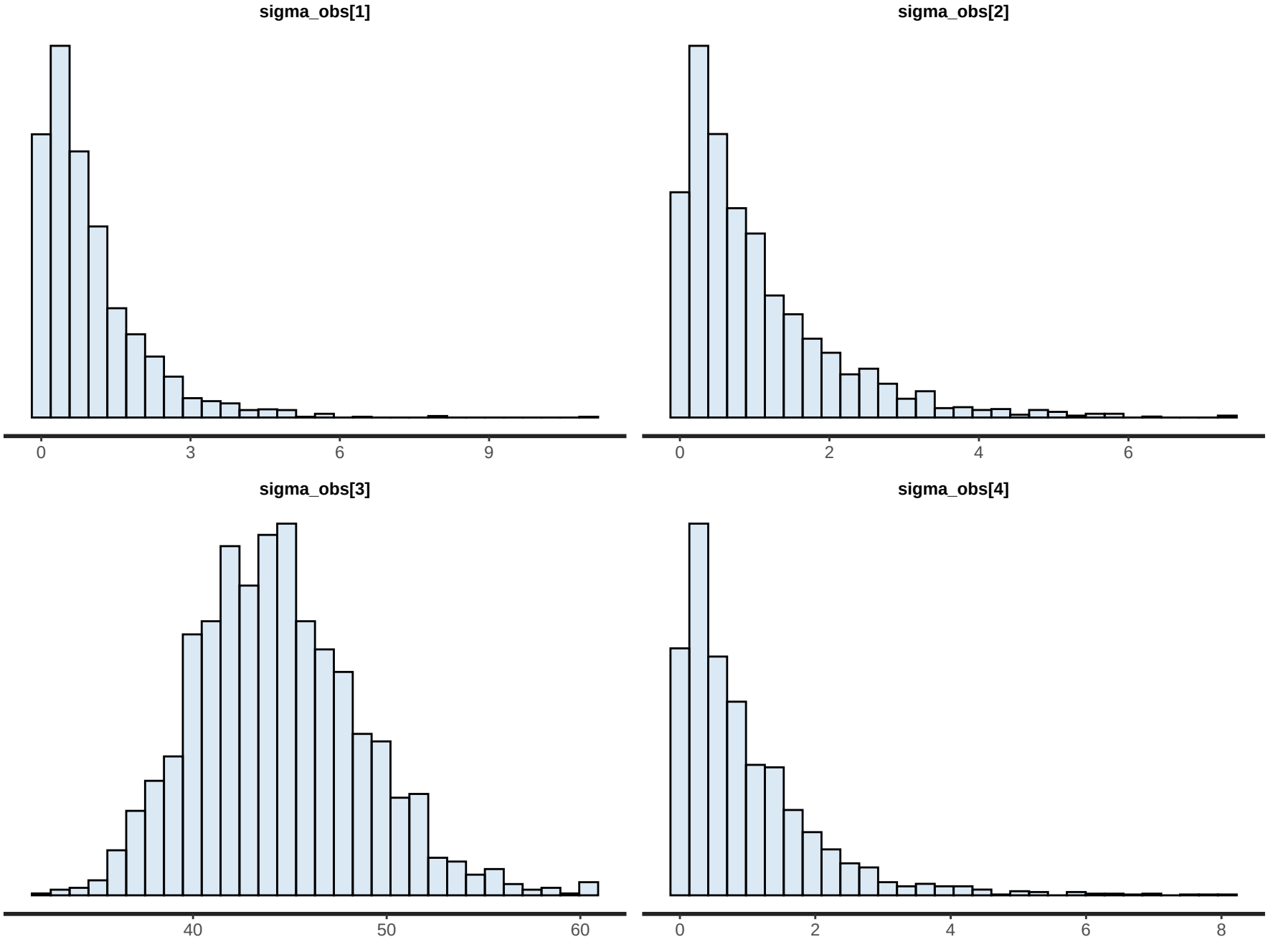
8
12
ini_exposed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6
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