PFOS 1 compartment Check Convergence (v8)

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library(coda)  
library(bayesplot)

## This is bayesplot version 1.7.0

## - Online documentation and vignettes at mc-stan.org/bayesplot

## - bayesplot theme set to bayesplot::theme\_default()

## \* Does \_not\_ affect other ggplot2 plots

## \* See ?bayesplot\_theme\_set for details on theme setting

library(ggplot2)  
library(tidyverse)

## ── Attaching packages ─────────────────────────────────────── tidyverse 1.3.0 ──

## ✔ tibble 2.1.3 ✔ dplyr 0.8.3  
## ✔ tidyr 1.0.0 ✔ stringr 1.4.0  
## ✔ readr 1.3.1 ✔ forcats 0.4.0  
## ✔ purrr 0.3.3

## ── Conflicts ────────────────────────────────────────── tidyverse\_conflicts() ──  
## ✖ dplyr::filter() masks stats::filter()  
## ✖ dplyr::lag() masks stats::lag()

library(reshape2)

##   
## Attaching package: 'reshape2'

## The following object is masked from 'package:tidyr':  
##   
## smiths

library(here)

## here() starts at /media/projects/Projects/PFAS\_PBPK/user/weihsueh\_2021/PFAS\_1cpt\_v8-main/PFOS\_1cpt\_v8

knitr::opts\_chunk$set(echo = TRUE, dpi = 300 )

Set up MCSim file

# this markdown file must be saved in top level directory for the following to work; the mcsim code depends on getwd results.  
mdir <- "MCSim"  
source(here::here(mdir,"setup\_MCSim.R"))  
# Make mod.exe (used to create mcsim executable from model file)  
makemod()

## The mod.exe had been created.

## Check convergence

print(try(summary(samps.mcmclist, na.rm = TRUE)))

##   
## Iterations = 1:1002  
## Thinning interval = 1   
## Number of chains = 4   
## Sample size per chain = 1002   
##   
## 1. Empirical mean and standard deviation for each variable,  
## plus standard error of the mean:  
##   
## Mean SD Naive SE Time-series SE  
## M\_ln\_k.1. -1.572e+00 0.14815 0.0023401 0.0109490  
## M\_ln\_Vd.1. -1.155e+00 0.20847 0.0032929 0.0123403  
## V\_ln\_k.1. 2.032e-01 0.04734 0.0007478 0.0012703  
## SD\_ln\_Vd.1. 1.277e-01 0.09786 0.0015458 0.0030777  
## GSD\_Cserum.1. 1.127e+00 0.02640 0.0004170 0.0006835  
## GSD\_Cbgd\_Css.1. 1.434e+00 0.22484 0.0035515 0.0125861  
## GSD\_M\_Cbgd\_Css.1. 2.024e+00 1.44196 0.0227766 0.0403133  
## M\_ln\_Cbgd\_sc.1.1. -1.254e-01 0.36774 0.0058087 0.0165433  
## M\_ln\_C\_0\_sc.1.1. 5.632e-03 0.05167 0.0008162 0.0017342  
## ln\_Cbgd.1.1.1. 5.416e-01 1.18813 0.0187673 0.0292808  
## ln\_C\_0.1.1.1. 2.127e-01 0.56583 0.0089377 0.0124108  
## ln\_DWI\_BW\_d.1.1.1. 8.047e-01 1.09738 0.0173338 0.0292456  
## ln\_k.1.1.1. -1.324e+00 0.85871 0.0135638 0.0238279  
## ln\_Vd.1.1.1. -1.024e-01 1.00287 0.0158410 0.0174363  
## ln\_Cbgd.1.1.2. -3.187e-01 0.78428 0.0123882 0.0190805  
## ln\_C\_0.1.1.2. -7.251e-02 0.57913 0.0091477 0.0122427  
## ln\_DWI\_BW\_d.1.1.2. -3.413e-01 0.84696 0.0133783 0.0190968  
## ln\_k.1.1.2. 3.986e-01 0.67689 0.0106919 0.0193455  
## ln\_Vd.1.1.2. 5.891e-02 0.97829 0.0154527 0.0165882  
## ln\_Cbgd.1.1.3. 7.888e-03 0.97598 0.0154162 0.0172215  
## ln\_C\_0.1.1.3. -7.352e-02 0.58155 0.0091859 0.0122848  
## ln\_DWI\_BW\_d.1.1.3. -1.694e-02 0.98857 0.0156151 0.0183576  
## ln\_k.1.1.3. 1.004e-01 0.44210 0.0069833 0.0186885  
## ln\_Vd.1.1.3. 1.166e-02 1.01847 0.0160873 0.0169574  
## ln\_Cbgd.1.1.4. -5.404e-01 0.78620 0.0124184 0.0206006  
## ln\_C\_0.1.1.4. -1.078e-01 0.58073 0.0091729 0.0114633  
## ln\_DWI\_BW\_d.1.1.4. -3.734e-01 0.85582 0.0135181 0.0193440  
## ln\_k.1.1.4. 1.278e+00 0.50236 0.0079351 0.0173172  
## ln\_Vd.1.1.4. 6.632e-02 0.98646 0.0155818 0.0163132  
## ln\_Cbgd.1.1.5. -7.080e-02 0.93749 0.0148082 0.0193151  
## ln\_C\_0.1.1.5. -1.005e-01 0.57812 0.0091318 0.0116230  
## ln\_DWI\_BW\_d.1.1.5. -7.585e-02 0.94200 0.0148795 0.0172040  
## ln\_k.1.1.5. 6.682e-01 0.43954 0.0069427 0.0176236  
## ln\_Vd.1.1.5. 1.611e-03 1.00803 0.0159224 0.0159945  
## ln\_Cbgd.1.1.6. 1.532e-01 0.86675 0.0136908 0.0197410  
## ln\_C\_0.1.1.6. -5.918e-03 0.57291 0.0090495 0.0117179  
## ln\_DWI\_BW\_d.1.1.6. 2.139e-02 0.87027 0.0137464 0.0212378  
## ln\_k.1.1.6. -3.164e-01 0.89657 0.0141619 0.0219388  
## ln\_Vd.1.1.6. -1.179e-02 0.99220 0.0156724 0.0161723  
## ln\_Cbgd.1.1.7. -2.101e-01 0.88355 0.0139562 0.0202659  
## ln\_C\_0.1.1.7. -1.285e-01 0.58282 0.0092059 0.0120247  
## ln\_DWI\_BW\_d.1.1.7. -2.176e-01 0.91263 0.0144155 0.0193099  
## ln\_k.1.1.7. 1.023e+00 0.46187 0.0072955 0.0178428  
## ln\_Vd.1.1.7. 3.711e-02 0.99709 0.0157496 0.0169350  
## ln\_Cbgd.1.1.8. -9.838e-02 0.92061 0.0145416 0.0219415  
## ln\_C\_0.1.1.8. -1.045e-01 0.59028 0.0093239 0.0126982  
## ln\_DWI\_BW\_d.1.1.8. -1.679e-01 0.91024 0.0143778 0.0184470  
## ln\_k.1.1.8. 4.205e-01 0.56171 0.0088725 0.0186178  
## ln\_Vd.1.1.8. -2.329e-03 0.98357 0.0155361 0.0147797  
## ln\_Cbgd.1.1.9. 9.056e-03 0.91564 0.0144630 0.0192107  
## ln\_C\_0.1.1.9. -4.226e-02 0.57385 0.0090643 0.0109613  
## ln\_DWI\_BW\_d.1.1.9. -6.499e-02 0.93422 0.0147565 0.0208671  
## ln\_k.1.1.9. -1.171e-01 0.65742 0.0103843 0.0187985  
## ln\_Vd.1.1.9. -1.295e-03 0.99972 0.0157912 0.0165174  
## ln\_Cbgd.1.1.10. 1.828e-02 0.97677 0.0154287 0.0193400  
## ln\_C\_0.1.1.10. -6.774e-02 0.57657 0.0091072 0.0117448  
## ln\_DWI\_BW\_d.1.1.10. -9.775e-02 0.92665 0.0146370 0.0192878  
## ln\_k.1.1.10. -1.599e-02 0.54042 0.0085362 0.0166099  
## ln\_Vd.1.1.10. 1.505e-02 0.98725 0.0155942 0.0151238  
## ln\_Cbgd.1.1.11. 2.754e-01 1.09948 0.0173669 0.0238759  
## ln\_C\_0.1.1.11. 1.480e-01 0.56103 0.0088619 0.0109933  
## ln\_DWI\_BW\_d.1.1.11. 4.615e-01 1.02187 0.0161410 0.0248991  
## ln\_k.1.1.11. -1.129e+00 0.72025 0.0113768 0.0184552  
## ln\_Vd.1.1.11. -6.743e-02 1.02021 0.0161148 0.0164321  
## ln\_Cbgd.1.1.12. 1.816e-01 0.89742 0.0141752 0.0210676  
## ln\_C\_0.1.1.12. 1.633e-02 0.57681 0.0091111 0.0105457  
## ln\_DWI\_BW\_d.1.1.12. 1.667e-02 0.79850 0.0126127 0.0235129  
## ln\_k.1.1.12. -3.396e-01 0.96894 0.0153050 0.0243201  
## ln\_Vd.1.1.12. -9.416e-03 1.00231 0.0158321 0.0172164  
## ln\_Cbgd.1.1.13. 2.314e-01 1.00878 0.0159343 0.0196573  
## ln\_C\_0.1.1.13. 3.349e-02 0.57333 0.0090560 0.0111590  
## ln\_DWI\_BW\_d.1.1.13. 2.284e-01 0.94826 0.0149784 0.0279843  
## ln\_k.1.1.13. -7.046e-01 0.80319 0.0126869 0.0244832  
## ln\_Vd.1.1.13. -2.149e-02 1.01729 0.0160686 0.0168300  
## ln\_Cbgd.1.1.14. -3.254e-02 0.95805 0.0151329 0.0178817  
## ln\_C\_0.1.1.14. -8.118e-02 0.56871 0.0089831 0.0121938  
## ln\_DWI\_BW\_d.1.1.14. -7.728e-02 0.94284 0.0148928 0.0188951  
## ln\_k.1.1.14. 7.028e-02 0.50426 0.0079650 0.0196371  
## ln\_Vd.1.1.14. 1.365e-02 0.97457 0.0153939 0.0167371  
## ln\_Cbgd.1.1.15. 4.075e-01 1.13738 0.0179656 0.0259104  
## ln\_C\_0.1.1.15. 1.583e-01 0.57278 0.0090474 0.0128313  
## ln\_DWI\_BW\_d.1.1.15. 6.486e-01 1.00355 0.0158517 0.0288949  
## ln\_k.1.1.15. -1.134e+00 0.83699 0.0132208 0.0243108  
## ln\_Vd.1.1.15. -1.078e-01 0.98900 0.0156219 0.0167153  
## ln\_Cbgd.1.1.16. -2.034e-01 0.84908 0.0134118 0.0186042  
## ln\_C\_0.1.1.16. -7.537e-02 0.57810 0.0091314 0.0116776  
## ln\_DWI\_BW\_d.1.1.16. -3.447e-01 0.84582 0.0133602 0.0192464  
## ln\_k.1.1.16. 3.301e-01 0.62730 0.0099086 0.0182878  
## ln\_Vd.1.1.16. 4.719e-02 0.98883 0.0156191 0.0159238  
## ln\_Cbgd.1.1.17. 5.507e-02 0.95039 0.0150120 0.0188557  
## ln\_C\_0.1.1.17. -3.480e-02 0.58457 0.0092337 0.0134925  
## ln\_DWI\_BW\_d.1.1.17. -3.995e-02 0.93118 0.0147086 0.0217711  
## ln\_k.1.1.17. -1.737e-01 0.59698 0.0094297 0.0173164  
## ln\_Vd.1.1.17. 2.309e-04 0.99976 0.0157918 0.0167074  
## ln\_Cbgd.1.1.18. 4.096e-01 1.09200 0.0172488 0.0261816  
## ln\_C\_0.1.1.18. 1.074e-01 0.58144 0.0091842 0.0113435  
## ln\_DWI\_BW\_d.1.1.18. 5.318e-01 0.92954 0.0146826 0.0230379  
## ln\_k.1.1.18. -9.376e-01 0.84973 0.0134220 0.0236758  
## ln\_Vd.1.1.18. -8.193e-02 1.01820 0.0160830 0.0172568  
## M\_ln\_Cbgd\_sc.1.2. -2.274e-01 0.41259 0.0065171 0.0068189  
## M\_ln\_C\_0\_sc.1.2. 1.172e-02 0.41028 0.0064806 0.0064828  
## ln\_Cbgd.1.2.1. -1.478e-02 0.99847 0.0157714 0.0168369  
## ln\_C\_0.1.2.1. -7.237e-03 1.01613 0.0160504 0.0170715  
## ln\_DWI\_BW\_d.1.2.1. 2.453e-02 0.99587 0.0157303 0.0159282  
## ln\_k.1.2.1. -4.377e-02 0.97957 0.0154729 0.0154749  
## ln\_Vd.1.2.1. -3.215e-02 0.99238 0.0156753 0.0156789  
## ln\_Cbgd.1.2.2. 5.381e-03 1.00189 0.0158254 0.0157753  
## ln\_C\_0.1.2.2. 1.949e-03 1.00532 0.0158796 0.0160840  
## ln\_DWI\_BW\_d.1.2.2. 9.217e-03 1.00568 0.0158853 0.0160824  
## ln\_k.1.2.2. -2.152e-02 0.98954 0.0156303 0.0167009  
## ln\_Vd.1.2.2. 6.024e-03 1.01693 0.0160630 0.0161356  
## ln\_Cbgd.1.2.3. 1.349e-02 1.00741 0.0159126 0.0155076  
## ln\_C\_0.1.2.3. 7.822e-03 1.01054 0.0159621 0.0168919  
## ln\_DWI\_BW\_d.1.2.3. 1.743e-02 0.98869 0.0156170 0.0162843  
## ln\_k.1.2.3. -1.040e-02 0.99324 0.0156888 0.0155284  
## ln\_Vd.1.2.3. -9.967e-03 0.99733 0.0157535 0.0163177  
## ln\_Cbgd.1.2.4. -7.670e-03 1.00447 0.0158662 0.0163100  
## ln\_C\_0.1.2.4. 2.233e-02 1.01574 0.0160442 0.0170355  
## ln\_DWI\_BW\_d.1.2.4. -3.387e-02 0.99279 0.0156817 0.0156808  
## ln\_k.1.2.4. -1.563e-02 0.99896 0.0157792 0.0160330  
## ln\_Vd.1.2.4. -5.633e-03 1.00114 0.0158137 0.0163724  
## ln\_Cbgd.1.2.5. 2.254e-03 0.99393 0.0156998 0.0157034  
## ln\_C\_0.1.2.5. -1.415e-02 0.98641 0.0155809 0.0164628  
## ln\_DWI\_BW\_d.1.2.5. -8.776e-03 1.00394 0.0158578 0.0161031  
## ln\_k.1.2.5. 1.312e-02 1.01197 0.0159846 0.0166457  
## ln\_Vd.1.2.5. 2.234e-03 0.98292 0.0155258 0.0171470  
## ln\_Cbgd.1.2.6. 2.026e-02 1.00655 0.0158991 0.0159002  
## ln\_C\_0.1.2.6. -3.917e-02 1.00631 0.0158952 0.0168982  
## ln\_DWI\_BW\_d.1.2.6. -1.656e-02 1.01337 0.0160069 0.0163681  
## ln\_k.1.2.6. 2.800e-02 1.02383 0.0161720 0.0163620  
## ln\_Vd.1.2.6. -1.759e-02 0.99552 0.0157248 0.0168174  
## ln\_Cbgd.1.2.7. 3.366e-02 1.00718 0.0159090 0.0159147  
## ln\_C\_0.1.2.7. -1.375e-02 0.99287 0.0156830 0.0165507  
## ln\_DWI\_BW\_d.1.2.7. 1.699e-02 1.01639 0.0160546 0.0160544  
## ln\_k.1.2.7. -2.522e-02 1.00478 0.0158712 0.0173765  
## ln\_Vd.1.2.7. 2.099e-02 0.98832 0.0156110 0.0166198  
## ln\_Cbgd.1.2.8. -1.853e-02 0.99212 0.0156712 0.0163277  
## ln\_C\_0.1.2.8. 3.577e-02 1.01323 0.0160045 0.0164768  
## ln\_DWI\_BW\_d.1.2.8. 3.618e-03 0.99822 0.0157676 0.0159754  
## ln\_k.1.2.8. -3.190e-02 0.99191 0.0156678 0.0164850  
## ln\_Vd.1.2.8. -3.041e-02 1.01227 0.0159894 0.0166106  
## ln\_Cbgd.1.2.9. 7.705e-03 0.98800 0.0156061 0.0165716  
## ln\_C\_0.1.2.9. -1.538e-02 0.99494 0.0157156 0.0159806  
## ln\_DWI\_BW\_d.1.2.9. 2.878e-02 0.98193 0.0155101 0.0170151  
## ln\_k.1.2.9. 1.978e-02 1.02187 0.0161410 0.0167165  
## ln\_Vd.1.2.9. -8.900e-04 0.99875 0.0157759 0.0157750  
## ln\_Cbgd.1.2.10. 1.472e-02 1.00013 0.0157977 0.0162597  
## ln\_C\_0.1.2.10. -1.325e-03 0.99497 0.0157161 0.0168070  
## ln\_DWI\_BW\_d.1.2.10. -1.456e-02 1.00557 0.0158836 0.0163422  
## ln\_k.1.2.10. 1.649e-02 1.01323 0.0160045 0.0173793  
## ln\_Vd.1.2.10. 1.186e-02 0.99745 0.0157553 0.0156808  
## ln\_Cbgd.1.2.11. -4.583e-03 0.95961 0.0151576 0.0161545  
## ln\_C\_0.1.2.11. 2.867e-03 1.01039 0.0159597 0.0163689  
## ln\_DWI\_BW\_d.1.2.11. 1.442e-02 1.00714 0.0159084 0.0169530  
## ln\_k.1.2.11. -4.366e-03 1.00728 0.0159106 0.0158097  
## ln\_Vd.1.2.11. -2.935e-03 0.98915 0.0156242 0.0164296  
## ln\_Cbgd.1.2.12. -1.698e-02 0.99648 0.0157399 0.0165990  
## ln\_C\_0.1.2.12. 1.271e-02 1.02006 0.0161125 0.0164434  
## ln\_DWI\_BW\_d.1.2.12. -4.861e-02 0.98783 0.0156034 0.0159114  
## ln\_k.1.2.12. 2.082e-02 1.00162 0.0158213 0.0164247  
## ln\_Vd.1.2.12. 3.131e-02 0.98233 0.0155165 0.0162486  
## ln\_Cbgd.1.2.13. 7.739e-04 0.99455 0.0157095 0.0159003  
## ln\_C\_0.1.2.13. 1.121e-02 0.99604 0.0157331 0.0159483  
## ln\_DWI\_BW\_d.1.2.13. -7.257e-03 0.99317 0.0156877 0.0161742  
## ln\_k.1.2.13. 1.041e-02 0.99880 0.0157767 0.0169702  
## ln\_Vd.1.2.13. -6.211e-03 0.98886 0.0156197 0.0158380  
## ln\_Cbgd.1.2.14. 8.105e-03 0.99255 0.0156779 0.0156815  
## ln\_C\_0.1.2.14. 1.389e-02 0.99209 0.0156707 0.0168028  
## ln\_DWI\_BW\_d.1.2.14. 2.099e-02 1.01194 0.0159842 0.0160456  
## ln\_k.1.2.14. 1.950e-03 0.99605 0.0157333 0.0164705  
## ln\_Vd.1.2.14. 6.272e-03 0.99890 0.0157782 0.0160100  
## ln\_Cbgd.1.2.15. -1.540e-02 0.99669 0.0157434 0.0152352  
## ln\_C\_0.1.2.15. -1.326e-03 1.00899 0.0159375 0.0170442  
## ln\_DWI\_BW\_d.1.2.15. 1.450e-02 1.00713 0.0159082 0.0162519  
## ln\_k.1.2.15. -1.470e-02 0.97364 0.0153792 0.0156578  
## ln\_Vd.1.2.15. -5.106e-03 1.00725 0.0159101 0.0167522  
## ln\_Cbgd.1.2.16. 4.493e-02 1.00532 0.0158796 0.0158848  
## ln\_C\_0.1.2.16. 9.106e-03 0.98890 0.0156202 0.0156183  
## ln\_DWI\_BW\_d.1.2.16. 8.323e-03 1.01034 0.0159590 0.0163599  
## ln\_k.1.2.16. 2.523e-03 0.98474 0.0155545 0.0163730  
## ln\_Vd.1.2.16. 1.273e-02 1.01134 0.0159747 0.0157567  
## ln\_Cbgd.1.2.17. -7.290e-03 0.98981 0.0156346 0.0162396  
## ln\_C\_0.1.2.17. -2.494e-02 0.97908 0.0154651 0.0159873  
## ln\_DWI\_BW\_d.1.2.17. -3.172e-02 1.00005 0.0157964 0.0154690  
## ln\_k.1.2.17. 1.086e-02 1.00799 0.0159218 0.0160652  
## ln\_Vd.1.2.17. 1.684e-02 1.00543 0.0158814 0.0171969  
## ln\_Cbgd.1.2.18. 3.510e-03 1.00804 0.0159226 0.0164019  
## ln\_C\_0.1.2.18. -5.173e-03 0.98538 0.0155647 0.0153601  
## ln\_DWI\_BW\_d.1.2.18. -9.249e-03 1.00852 0.0159301 0.0168305  
## ln\_k.1.2.18. 9.493e-03 1.00297 0.0158424 0.0159040  
## ln\_Vd.1.2.18. -1.345e-02 1.00003 0.0157960 0.0151761  
## ln\_Cbgd.1.2.19. -2.246e-02 1.01622 0.0160518 0.0162689  
## ln\_C\_0.1.2.19. -9.518e-03 1.00810 0.0159235 0.0165414  
## ln\_DWI\_BW\_d.1.2.19. -2.451e-02 1.01427 0.0160211 0.0165540  
## ln\_k.1.2.19. 4.129e-03 1.01745 0.0160712 0.0163517  
## ln\_Vd.1.2.19. 2.072e-02 0.98989 0.0156359 0.0168958  
## M\_ln\_Cbgd\_sc.1.3. -1.530e-01 0.21524 0.0033999 0.0087910  
## M\_ln\_C\_0\_sc.1.3. 8.013e-03 0.41098 0.0064916 0.0065926  
## ln\_Cbgd.1.3.1. -5.773e-01 0.71604 0.0113103 0.0149130  
## ln\_C\_0.1.3.1. 2.693e-02 1.01310 0.0160026 0.0170016  
## ln\_DWI\_BW\_d.1.3.1. -6.050e-01 0.73856 0.0116660 0.0159367  
## ln\_k.1.3.1. 3.254e-01 0.94346 0.0149025 0.0183216  
## ln\_Vd.1.3.1. 9.928e-02 0.96712 0.0152763 0.0160424  
## ln\_Cbgd.1.3.2. 3.893e-01 0.92966 0.0146845 0.0203462  
## ln\_C\_0.1.3.2. -3.329e-02 0.98014 0.0154818 0.0154816  
## ln\_DWI\_BW\_d.1.3.2. 3.969e-01 0.83953 0.0132609 0.0215006  
## ln\_k.1.3.2. -1.960e-01 0.95023 0.0150095 0.0193723  
## ln\_Vd.1.3.2. -6.304e-02 0.96701 0.0152744 0.0165180  
## ln\_Cbgd.1.3.3. -2.456e-02 0.89950 0.0142082 0.0161646  
## ln\_C\_0.1.3.3. -1.943e-02 0.99149 0.0156612 0.0167335  
## ln\_DWI\_BW\_d.1.3.3. -3.004e-01 0.68127 0.0107611 0.0161590  
## ln\_k.1.3.3. 1.104e-01 0.92981 0.0146869 0.0217187  
## ln\_Vd.1.3.3. 6.283e-02 0.99107 0.0156546 0.0168511  
## ln\_Cbgd.1.3.4. 4.808e-01 0.97482 0.0153979 0.0220640  
## ln\_C\_0.1.3.4. 3.348e-04 1.01539 0.0160387 0.0169095  
## ln\_DWI\_BW\_d.1.3.4. 4.779e-01 0.86442 0.0136541 0.0233635  
## ln\_k.1.3.4. -2.511e-01 0.97530 0.0154054 0.0196372  
## ln\_Vd.1.3.4. -8.555e-02 0.96656 0.0152674 0.0155172  
## ln\_Cbgd.1.3.5. -6.064e-02 0.94502 0.0149271 0.0173688  
## ln\_C\_0.1.3.5. 3.467e-03 1.00256 0.0158360 0.0156659  
## ln\_DWI\_BW\_d.1.3.5. -5.198e-01 0.63892 0.0100920 0.0155125  
## ln\_k.1.3.5. 2.217e-01 0.93774 0.0148122 0.0237915  
## ln\_Vd.1.3.5. 7.793e-02 0.98715 0.0155927 0.0171818  
## ln\_Cbgd.1.3.6. 1.022e-01 0.92724 0.0146463 0.0183734  
## ln\_C\_0.1.3.6. -4.186e-03 1.00406 0.0158597 0.0160763  
## ln\_DWI\_BW\_d.1.3.6. -2.889e-02 0.71476 0.0112900 0.0163842  
## ln\_k.1.3.6. 1.669e-04 0.93512 0.0147708 0.0195378  
## ln\_Vd.1.3.6. -8.087e-03 1.00885 0.0159354 0.0168583  
## ln\_Cbgd.1.3.7. 7.803e-01 1.27976 0.0202145 0.0357187  
## ln\_C\_0.1.3.7. -4.614e-02 1.00272 0.0158385 0.0158796  
## ln\_DWI\_BW\_d.1.3.7. 1.318e+00 0.98152 0.0155037 0.0322873  
## ln\_k.1.3.7. -6.823e-01 1.01953 0.0161041 0.0273678  
## ln\_Vd.1.3.7. -2.027e-01 1.01870 0.0160909 0.0180107  
## ln\_Cbgd.1.3.8. -7.048e-01 0.73991 0.0116874 0.0148436  
## ln\_C\_0.1.3.8. -2.836e-02 0.99681 0.0157452 0.0157423  
## ln\_DWI\_BW\_d.1.3.8. -8.996e-01 0.71326 0.0112663 0.0147583  
## ln\_k.1.3.8. 4.931e-01 0.94064 0.0148580 0.0175567  
## ln\_Vd.1.3.8. 1.577e-01 0.98323 0.0155307 0.0161979  
## ln\_Cbgd.1.3.9. 6.368e-01 0.97911 0.0154656 0.0230834  
## ln\_C\_0.1.3.9. -4.415e-02 1.00995 0.0159528 0.0169786  
## ln\_DWI\_BW\_d.1.3.9. 5.631e-01 0.91007 0.0143751 0.0191857  
## ln\_k.1.3.9. -3.336e-01 1.00102 0.0158118 0.0204544  
## ln\_Vd.1.3.9. -7.478e-02 0.99399 0.0157007 0.0165698  
## ln\_Cbgd.1.3.10. -3.335e-01 0.78717 0.0124337 0.0150736  
## ln\_C\_0.1.3.10. -3.285e-03 1.01886 0.0160936 0.0157493  
## ln\_DWI\_BW\_d.1.3.10. -7.503e-01 0.70038 0.0110629 0.0153999  
## ln\_k.1.3.10. 3.375e-01 0.93469 0.0147640 0.0193976  
## ln\_Vd.1.3.10. 1.235e-01 0.99668 0.0157431 0.0159931  
## ln\_Cbgd.1.3.11. 1.798e-01 0.63611 0.0100477 0.0142607  
## ln\_C\_0.1.3.11. -1.912e-02 0.98603 0.0155749 0.0165844  
## ln\_DWI\_BW\_d.1.3.11. 1.095e-01 0.98676 0.0155864 0.0182335  
## ln\_k.1.3.11. -5.365e-02 0.99501 0.0157168 0.0171502  
## ln\_Vd.1.3.11. -6.276e-03 1.00031 0.0158005 0.0167121  
## ln\_Cbgd.1.3.12. 4.798e-01 0.66649 0.0105276 0.0154141  
## ln\_C\_0.1.3.12. -6.740e-03 0.99388 0.0156990 0.0165116  
## ln\_DWI\_BW\_d.1.3.12. 1.964e-01 1.00968 0.0159485 0.0191149  
## ln\_k.1.3.12. -8.969e-02 0.99794 0.0157631 0.0169953  
## ln\_Vd.1.3.12. -9.988e-03 0.97611 0.0154182 0.0155870  
## ln\_Cbgd.1.3.13. -1.593e+00 0.69404 0.0109627 0.0254128  
## ln\_C\_0.1.3.13. -7.357e-03 1.02328 0.0161634 0.0161664  
## ln\_DWI\_BW\_d.1.3.13. -1.386e+00 0.72710 0.0114851 0.0175683  
## ln\_k.1.3.13. 6.643e-01 0.92915 0.0146764 0.0172588  
## ln\_Vd.1.3.13. 1.977e-01 0.98455 0.0155515 0.0170662  
## ln\_Cbgd.1.3.14. 1.209e-01 0.85154 0.0134506 0.0176441  
## ln\_C\_0.1.3.14. 1.304e-02 1.01322 0.0160044 0.0158232  
## ln\_DWI\_BW\_d.1.3.14. 3.554e-03 0.80774 0.0127588 0.0160839  
## ln\_k.1.3.14. -1.962e-02 0.94051 0.0148560 0.0176714  
## ln\_Vd.1.3.14. 1.637e-03 0.98992 0.0156365 0.0168042  
## ln\_Cbgd.1.3.15. 5.757e-02 0.95800 0.0151322 0.0180880  
## ln\_C\_0.1.3.15. 3.136e-03 1.00492 0.0158733 0.0158725  
## ln\_DWI\_BW\_d.1.3.15. -1.008e-01 0.66035 0.0104306 0.0145179  
## ln\_k.1.3.15. 5.147e-02 0.91159 0.0143991 0.0202141  
## ln\_Vd.1.3.15. 1.718e-02 0.98589 0.0155727 0.0168693  
## ln\_Cbgd.1.3.16. -6.516e-01 0.59907 0.0094626 0.0138361  
## ln\_C\_0.1.3.16. 8.732e-04 1.00926 0.0159419 0.0165669  
## ln\_DWI\_BW\_d.1.3.16. -2.269e-01 0.86284 0.0136291 0.0160793  
## ln\_k.1.3.16. 9.770e-02 0.96446 0.0152342 0.0162770  
## ln\_Vd.1.3.16. 2.570e-02 0.99257 0.0156783 0.0166505  
## ln\_Cbgd.1.3.17. -1.228e+00 0.66027 0.0104294 0.0168298  
## ln\_C\_0.1.3.17. -7.789e-03 0.99689 0.0157465 0.0157495  
## ln\_DWI\_BW\_d.1.3.17. -7.692e-01 0.78034 0.0123260 0.0167041  
## ln\_k.1.3.17. 3.800e-01 0.93463 0.0147631 0.0178214  
## ln\_Vd.1.3.17. 1.150e-01 0.98784 0.0156036 0.0158078  
## ln\_Cbgd.1.3.18. 1.315e+00 0.75085 0.0118601 0.0202807  
## ln\_C\_0.1.3.18. 4.320e-02 0.99301 0.0156852 0.0154972  
## ln\_DWI\_BW\_d.1.3.18. 3.985e-01 1.15364 0.0182225 0.0254081  
## ln\_k.1.3.18. -2.284e-01 1.05125 0.0166051 0.0188424  
## ln\_Vd.1.3.18. -5.922e-02 0.99116 0.0156559 0.0160005  
## ln\_Cbgd.1.3.19. 5.276e-02 0.91806 0.0145013 0.0166824  
## ln\_C\_0.1.3.19. 5.999e-03 1.00615 0.0158928 0.0163639  
## ln\_DWI\_BW\_d.1.3.19. -1.857e-01 0.68416 0.0108067 0.0143935  
## ln\_k.1.3.19. 8.890e-02 0.90995 0.0143732 0.0197580  
## ln\_Vd.1.3.19. 2.523e-02 0.99613 0.0157344 0.0175278  
## ln\_Cbgd.1.3.20. 1.253e-01 1.04136 0.0164490 0.0184370  
## ln\_C\_0.1.3.20. 2.023e-02 0.99412 0.0157028 0.0156989  
## ln\_DWI\_BW\_d.1.3.20. 3.088e-01 0.61316 0.0096853 0.0158272  
## ln\_k.1.3.20. -9.031e-02 0.91375 0.0144332 0.0214681  
## ln\_Vd.1.3.20. -5.242e-02 0.99262 0.0156791 0.0175078  
## ln\_Cbgd.1.3.21. 2.294e-01 1.01714 0.0160663 0.0224626  
## ln\_C\_0.1.3.21. 3.586e-03 0.98143 0.0155023 0.0165966  
## ln\_DWI\_BW\_d.1.3.21. 2.765e-01 0.69832 0.0110305 0.0158280  
## ln\_k.1.3.21. -1.649e-01 0.92639 0.0146329 0.0228506  
## ln\_Vd.1.3.21. -2.976e-02 1.00133 0.0158167 0.0166274  
## ln\_Cbgd.1.3.22. 3.827e-01 0.93100 0.0147057 0.0205579  
## ln\_C\_0.1.3.22. -6.498e-03 0.98060 0.0154892 0.0166859  
## ln\_DWI\_BW\_d.1.3.22. 4.593e-01 0.85902 0.0135688 0.0212504  
## ln\_k.1.3.22. -1.756e-01 0.96751 0.0152824 0.0189351  
## ln\_Vd.1.3.22. -4.936e-02 1.00176 0.0158234 0.0170664  
## ln\_Cbgd.1.3.23. 8.382e-02 1.00556 0.0158834 0.0188661  
## ln\_C\_0.1.3.23. -1.498e-03 1.01087 0.0159674 0.0160982  
## ln\_DWI\_BW\_d.1.3.23. -1.038e-01 0.63008 0.0099525 0.0156134  
## ln\_k.1.3.23. 8.927e-02 0.92361 0.0145890 0.0213567  
## ln\_Vd.1.3.23. 1.081e-02 0.99469 0.0157117 0.0172398  
## ln\_Cbgd.1.3.24. -1.458e-01 0.62514 0.0098744 0.0128293  
## ln\_C\_0.1.3.24. 1.492e-02 1.02434 0.0161801 0.0169646  
## ln\_DWI\_BW\_d.1.3.24. 3.755e-02 0.94205 0.0148802 0.0174542  
## ln\_k.1.3.24. 3.039e-02 0.96632 0.0152636 0.0155560  
## ln\_Vd.1.3.24. 2.088e-03 0.98737 0.0155960 0.0150915  
## ln\_Cbgd.1.3.25. -3.593e-01 0.78031 0.0123255 0.0147691  
## ln\_C\_0.1.3.25. 2.753e-02 0.98984 0.0156352 0.0164221  
## ln\_DWI\_BW\_d.1.3.25. -7.845e-01 0.72270 0.0114156 0.0172812  
## ln\_k.1.3.25. 3.677e-01 0.92693 0.0146414 0.0179920  
## ln\_Vd.1.3.25. 1.401e-01 0.98159 0.0155048 0.0164366  
## ln\_Cbgd.1.3.26. -3.032e-01 0.85843 0.0135595 0.0162981  
## ln\_C\_0.1.3.26. -2.469e-02 0.99399 0.0157006 0.0155436  
## ln\_DWI\_BW\_d.1.3.26. -1.184e+00 0.65417 0.0103330 0.0165610  
## ln\_k.1.3.26. 6.507e-01 0.93708 0.0148017 0.0224481  
## ln\_Vd.1.3.26. 1.905e-01 0.99516 0.0157192 0.0166764  
## ln\_Cbgd.1.3.27. 5.166e-02 0.79618 0.0125761 0.0159410  
## ln\_C\_0.1.3.27. 1.777e-02 1.00159 0.0158208 0.0170169  
## ln\_DWI\_BW\_d.1.3.27. -1.196e-02 0.80265 0.0126783 0.0181718  
## ln\_k.1.3.27. 5.510e-02 0.94715 0.0149607 0.0181241  
## ln\_Vd.1.3.27. 3.141e-02 0.98181 0.0155084 0.0164837  
## ln\_Cbgd.1.3.28. -1.065e+00 0.67830 0.0107141 0.0187964  
## ln\_C\_0.1.3.28. 1.161e-02 1.01959 0.0161051 0.0169637  
## ln\_DWI\_BW\_d.1.3.28. -8.676e-01 0.74466 0.0117623 0.0155622  
## ln\_k.1.3.28. 4.437e-01 0.94968 0.0150008 0.0171513  
## ln\_Vd.1.3.28. 1.520e-01 0.99189 0.0156675 0.0161994  
## ln\_Cbgd.1.3.29. 5.882e-01 1.22795 0.0193963 0.0338013  
## ln\_C\_0.1.3.29. -2.233e-02 1.00204 0.0158278 0.0172866  
## ln\_DWI\_BW\_d.1.3.29. 1.241e+00 0.86279 0.0136283 0.0274205  
## ln\_k.1.3.29. -6.289e-01 0.95535 0.0150903 0.0223930  
## ln\_Vd.1.3.29. -1.949e-01 0.99872 0.0157754 0.0164554  
## ln\_Cbgd.1.3.30. 1.933e-02 0.92783 0.0146556 0.0181332  
## ln\_C\_0.1.3.30. 1.201e-02 0.99213 0.0156713 0.0161102  
## ln\_DWI\_BW\_d.1.3.30. -2.359e-01 0.66585 0.0105174 0.0150803  
## ln\_k.1.3.30. 1.042e-01 0.91000 0.0143740 0.0194266  
## ln\_Vd.1.3.30. 4.691e-02 0.99714 0.0157504 0.0166215  
## ln\_Cbgd.1.3.31. 3.565e-02 0.92417 0.0145978 0.0177823  
## ln\_C\_0.1.3.31. -1.787e-02 0.96720 0.0152774 0.0156152  
## ln\_DWI\_BW\_d.1.3.31. -2.100e-01 0.68884 0.0108807 0.0158673  
## ln\_k.1.3.31. 9.117e-02 0.94112 0.0148656 0.0191761  
## ln\_Vd.1.3.31. 3.460e-02 0.99802 0.0157644 0.0186747  
## ln\_Cbgd.1.3.32. 6.233e-01 1.05003 0.0165858 0.0225827  
## ln\_C\_0.1.3.32. -2.507e-03 1.00631 0.0158952 0.0168062  
## ln\_DWI\_BW\_d.1.3.32. 6.616e-01 0.88384 0.0139608 0.0191587  
## ln\_k.1.3.32. -3.257e-01 0.96648 0.0152661 0.0189857  
## ln\_Vd.1.3.32. -9.324e-02 0.99601 0.0157326 0.0184176  
## ln\_Cbgd.1.3.33. -8.603e-02 0.74402 0.0117522 0.0150257  
## ln\_C\_0.1.3.33. 2.190e-03 0.99202 0.0156696 0.0166528  
## ln\_DWI\_BW\_d.1.3.33. -1.099e-01 0.80252 0.0126762 0.0160392  
## ln\_k.1.3.33. 6.172e-02 0.95117 0.0150243 0.0171493  
## ln\_Vd.1.3.33. 3.503e-02 0.99775 0.0157600 0.0169362  
## ln\_Cbgd.1.3.34. -2.885e-01 0.75387 0.0119079 0.0143969  
## ln\_C\_0.1.3.34. 2.548e-02 1.00535 0.0158801 0.0162858  
## ln\_DWI\_BW\_d.1.3.34. -3.403e-01 0.75035 0.0118523 0.0153452  
## ln\_k.1.3.34. 1.986e-01 0.94461 0.0149207 0.0187260  
## ln\_Vd.1.3.34. 4.659e-02 0.99814 0.0157662 0.0164903  
## ln\_Cbgd.1.3.35. 2.414e-01 0.88725 0.0140146 0.0191764  
## ln\_C\_0.1.3.35. 2.614e-02 1.00101 0.0158116 0.0154235  
## ln\_DWI\_BW\_d.1.3.35. 2.173e-01 0.81254 0.0128345 0.0188504  
## ln\_k.1.3.35. -9.717e-02 0.95833 0.0151374 0.0183796  
## ln\_Vd.1.3.35. -3.999e-02 1.00140 0.0158178 0.0162968  
## ln\_Cbgd.1.3.36. 1.424e-01 0.96633 0.0152637 0.0186867  
## ln\_C\_0.1.3.36. 1.363e-02 1.01695 0.0160633 0.0178938  
## ln\_DWI\_BW\_d.1.3.36. -3.353e-02 0.66366 0.0104830 0.0162015  
## ln\_k.1.3.36. -1.478e-02 0.92126 0.0145518 0.0213272  
## ln\_Vd.1.3.36. -7.627e-04 0.95311 0.0150549 0.0163504  
## ln\_Cbgd.1.3.37. -1.286e-02 0.91924 0.0145200 0.0189912  
## ln\_C\_0.1.3.37. -1.177e-02 0.99201 0.0156693 0.0159878  
## ln\_DWI\_BW\_d.1.3.37. -3.413e-01 0.69412 0.0109640 0.0164538  
## ln\_k.1.3.37. 1.611e-01 0.91997 0.0145315 0.0204784  
## ln\_Vd.1.3.37. 2.289e-02 0.99250 0.0156772 0.0170624  
## ln\_Cbgd.1.3.38. 3.509e-01 0.62507 0.0098734 0.0138993  
## ln\_C\_0.1.3.38. -1.483e-02 0.99141 0.0156599 0.0161314  
## ln\_DWI\_BW\_d.1.3.38. 1.253e-01 0.99407 0.0157019 0.0205382  
## ln\_k.1.3.38. -7.914e-02 0.99248 0.0156768 0.0170624  
## ln\_Vd.1.3.38. -1.751e-02 1.00409 0.0158602 0.0158479  
## ln\_Cbgd.1.3.39. 1.038e-01 0.83403 0.0131740 0.0163404  
## ln\_C\_0.1.3.39. 3.434e-03 1.00486 0.0158724 0.0165836  
## ln\_DWI\_BW\_d.1.3.39. 3.202e-02 0.83703 0.0132214 0.0172901  
## ln\_k.1.3.39. -5.275e-02 0.98744 0.0155971 0.0189469  
## ln\_Vd.1.3.39. 1.067e-02 1.01355 0.0160096 0.0174475  
## ln\_Cbgd.1.3.40. 2.381e-01 0.76904 0.0121474 0.0173997  
## ln\_C\_0.1.3.40. -1.805e-02 1.00681 0.0159032 0.0156834  
## ln\_DWI\_BW\_d.1.3.40. 1.918e-01 0.90573 0.0143065 0.0198785  
## ln\_k.1.3.40. -9.775e-02 0.95304 0.0150538 0.0175035  
## ln\_Vd.1.3.40. -3.210e-02 0.99064 0.0156478 0.0165956  
## ln\_Cbgd.1.3.41. -1.100e+00 0.67715 0.0106960 0.0170479  
## ln\_C\_0.1.3.41. -2.972e-02 1.00486 0.0158724 0.0158740  
## ln\_DWI\_BW\_d.1.3.41. -8.035e-01 0.76825 0.0121350 0.0159253  
## ln\_k.1.3.41. 4.162e-01 0.95190 0.0150358 0.0174019  
## ln\_Vd.1.3.41. 9.090e-02 0.98608 0.0155757 0.0163445  
## ln\_Cbgd.1.3.42. -2.619e-01 0.77805 0.0122898 0.0154657  
## ln\_C\_0.1.3.42. -9.260e-03 0.99832 0.0157690 0.0155913  
## ln\_DWI\_BW\_d.1.3.42. -4.759e-01 0.72346 0.0114274 0.0158576  
## ln\_k.1.3.42. 2.486e-01 0.93404 0.0147537 0.0192213  
## ln\_Vd.1.3.42. 6.093e-02 1.00611 0.0158921 0.0166460  
## ln\_Cbgd.1.3.43. -1.088e-01 0.74564 0.0117778 0.0153119  
## ln\_C\_0.1.3.43. -2.239e-02 0.99315 0.0156874 0.0162423  
## ln\_DWI\_BW\_d.1.3.43. -1.089e-01 0.79793 0.0126037 0.0149415  
## ln\_k.1.3.43. 4.121e-02 0.94522 0.0149303 0.0174642  
## ln\_Vd.1.3.43. 6.224e-03 0.96891 0.0153046 0.0156079  
## ln\_Cbgd.1.3.44. 9.703e-01 0.70915 0.0112014 0.0177486  
## ln\_C\_0.1.3.44. -2.443e-02 0.99991 0.0157941 0.0160718  
## ln\_DWI\_BW\_d.1.3.44. 3.767e-01 1.08562 0.0171481 0.0225876  
## ln\_k.1.3.44. -1.868e-01 1.02731 0.0162270 0.0184926  
## ln\_Vd.1.3.44. -3.006e-02 0.99874 0.0157757 0.0160352  
## ln\_Cbgd.1.3.45. 2.175e-02 0.89915 0.0142026 0.0188967  
## ln\_C\_0.1.3.45. -1.661e-02 0.99624 0.0157362 0.0157404  
## ln\_DWI\_BW\_d.1.3.45. -2.129e-01 0.71672 0.0113210 0.0175303  
## ln\_k.1.3.45. 1.262e-01 0.94702 0.0149587 0.0209806  
## ln\_Vd.1.3.45. 3.486e-02 1.01922 0.0160992 0.0169575  
## ln\_Cbgd.1.3.46. -1.999e-01 0.68851 0.0108754 0.0146039  
## ln\_C\_0.1.3.46. -2.277e-02 0.97544 0.0154076 0.0159187  
## ln\_DWI\_BW\_d.1.3.46. -1.311e-01 0.86044 0.0135912 0.0161577  
## ln\_k.1.3.46. 1.020e-01 0.96016 0.0151663 0.0175869  
## ln\_Vd.1.3.46. 2.759e-02 1.00407 0.0158598 0.0163087  
## ln\_Cbgd.1.3.47. 6.225e-01 1.02839 0.0162441 0.0239469  
## ln\_C\_0.1.3.47. -1.496e-02 1.00644 0.0158974 0.0171544  
## ln\_DWI\_BW\_d.1.3.47. 6.146e-01 0.87160 0.0137675 0.0226732  
## ln\_k.1.3.47. -3.688e-01 1.00338 0.0158490 0.0236696  
## ln\_Vd.1.3.47. -1.152e-01 0.99177 0.0156656 0.0174860  
## ln\_Cbgd.1.3.48. -3.769e-01 0.72422 0.0114395 0.0151685  
## ln\_C\_0.1.3.48. -9.076e-03 1.00119 0.0158143 0.0169376  
## ln\_DWI\_BW\_d.1.3.48. -4.090e-01 0.75525 0.0119297 0.0151036  
## ln\_k.1.3.48. 2.229e-01 0.93369 0.0147482 0.0170347  
## ln\_Vd.1.3.48. 5.055e-02 0.97312 0.0153710 0.0164815  
## ln\_Cbgd.1.3.49. 1.002e-01 0.82281 0.0129967 0.0171926  
## ln\_C\_0.1.3.49. 5.346e-03 0.98218 0.0155142 0.0156394  
## ln\_DWI\_BW\_d.1.3.49. 2.234e-02 0.79268 0.0125209 0.0189130  
## ln\_k.1.3.49. 7.930e-05 0.95180 0.0150342 0.0198019  
## ln\_Vd.1.3.49. -1.433e-03 0.99167 0.0156640 0.0165123  
## M\_ln\_Cbgd\_sc.1.4. -2.291e-01 0.40815 0.0064469 0.0065615  
## M\_ln\_C\_0\_sc.1.4. -1.486e-02 0.40248 0.0063574 0.0069039  
## ln\_Cbgd.1.4.1. -3.325e-02 0.98829 0.0156106 0.0168766  
## ln\_C\_0.1.4.1. 1.540e-02 1.00286 0.0158407 0.0160020  
## ln\_DWI\_BW\_d.1.4.1. -1.751e-02 0.99730 0.0157530 0.0166337  
## ln\_k.1.4.1. 5.193e-03 0.99176 0.0156655 0.0170316  
## ln\_Vd.1.4.1. 6.383e-03 0.99547 0.0157241 0.0167349  
## ln\_Cbgd.1.4.2. -2.010e-03 1.00893 0.0159367 0.0161212  
## ln\_C\_0.1.4.2. 2.633e-02 1.00502 0.0158748 0.0168591  
## ln\_DWI\_BW\_d.1.4.2. -1.746e-02 0.98463 0.0155528 0.0167695  
## ln\_k.1.4.2. -1.998e-02 0.99207 0.0156703 0.0166025  
## ln\_Vd.1.4.2. -1.804e-02 1.02569 0.0162014 0.0164937  
## ln\_Cbgd.1.4.3. 1.564e-02 0.99266 0.0156797 0.0155887  
## ln\_C\_0.1.4.3. 1.777e-02 1.00952 0.0159459 0.0161836  
## ln\_DWI\_BW\_d.1.4.3. -1.866e-02 0.99112 0.0156554 0.0163450  
## ln\_k.1.4.3. -2.100e-02 1.01145 0.0159765 0.0168879  
## ln\_Vd.1.4.3. 2.401e-02 1.00756 0.0159150 0.0158778  
## ln\_Cbgd.1.4.4. -1.631e-02 0.97337 0.0153750 0.0160365  
## ln\_C\_0.1.4.4. -1.606e-02 1.00041 0.0158021 0.0162754  
## ln\_DWI\_BW\_d.1.4.4. 1.139e-02 1.00454 0.0158674 0.0166081  
## ln\_k.1.4.4. 9.780e-03 1.02684 0.0162196 0.0160235  
## ln\_Vd.1.4.4. 1.503e-02 0.98416 0.0155454 0.0155386  
## ln\_Cbgd.1.4.5. -1.919e-03 0.97919 0.0154668 0.0157006  
## ln\_C\_0.1.4.5. -1.057e-02 0.99771 0.0157595 0.0161287  
## ln\_DWI\_BW\_d.1.4.5. 3.827e-02 1.00442 0.0158655 0.0170338  
## ln\_k.1.4.5. 1.626e-03 1.00845 0.0159291 0.0164946  
## ln\_Vd.1.4.5. 1.854e-02 0.98596 0.0155738 0.0158120  
## ln\_Cbgd.1.4.6. -1.421e-02 1.01634 0.0160537 0.0158601  
## ln\_C\_0.1.4.6. -3.428e-04 1.01530 0.0160374 0.0165891  
## ln\_DWI\_BW\_d.1.4.6. 3.002e-03 1.00210 0.0158287 0.0164486  
## ln\_k.1.4.6. 7.200e-03 0.99214 0.0156714 0.0163927  
## ln\_Vd.1.4.6. 3.225e-02 0.99403 0.0157013 0.0160221  
## ln\_Cbgd.1.4.7. -6.276e-03 0.99946 0.0157871 0.0162594  
## ln\_C\_0.1.4.7. 2.497e-03 0.99703 0.0157487 0.0177732  
## ln\_DWI\_BW\_d.1.4.7. -3.536e-03 1.01960 0.0161052 0.0167451  
## ln\_k.1.4.7. 1.264e-02 1.01068 0.0159642 0.0166139  
## ln\_Vd.1.4.7. -3.844e-04 1.00920 0.0159409 0.0163332  
## ln\_Cbgd.1.4.8. -1.471e-02 0.99252 0.0156774 0.0164680  
## ln\_C\_0.1.4.8. -6.650e-03 0.99977 0.0157920 0.0158841  
## ln\_DWI\_BW\_d.1.4.8. 1.940e-02 0.99984 0.0157931 0.0153560  
## ln\_k.1.4.8. -2.201e-02 0.99334 0.0156903 0.0161956  
## ln\_Vd.1.4.8. 8.793e-03 1.01476 0.0160287 0.0165271  
## ln\_Cbgd.1.4.9. -1.818e-02 1.01185 0.0159827 0.0171441  
## ln\_C\_0.1.4.9. -3.316e-02 0.98417 0.0155456 0.0159138  
## ln\_DWI\_BW\_d.1.4.9. -5.010e-03 1.00391 0.0158573 0.0165850  
## ln\_k.1.4.9. 6.601e-03 0.97765 0.0154426 0.0157938  
## ln\_Vd.1.4.9. 8.992e-03 0.99514 0.0157189 0.0161568  
## ln\_Cbgd.1.4.10. 2.064e-02 0.98741 0.0155968 0.0157421  
## ln\_C\_0.1.4.10. 1.106e-02 1.00400 0.0158588 0.0166952  
## ln\_DWI\_BW\_d.1.4.10. -1.441e-02 1.00640 0.0158968 0.0159247  
## ln\_k.1.4.10. -9.760e-03 1.00574 0.0158862 0.0171820  
## ln\_Vd.1.4.10. 2.664e-03 1.01017 0.0159562 0.0151094  
## ln\_Cbgd.1.4.11. 1.360e-02 0.99306 0.0156861 0.0166621  
## ln\_C\_0.1.4.11. 1.383e-02 1.01419 0.0160198 0.0166327  
## ln\_DWI\_BW\_d.1.4.11. -4.254e-03 1.01431 0.0160217 0.0160259  
## ln\_k.1.4.11. 3.693e-02 1.01702 0.0160645 0.0162910  
## ln\_Vd.1.4.11. -9.903e-03 0.99645 0.0157396 0.0161455  
## ln\_Cbgd.1.4.12. 2.926e-03 1.00614 0.0158926 0.0171953  
## ln\_C\_0.1.4.12. -4.079e-02 1.01597 0.0160479 0.0157735  
## ln\_DWI\_BW\_d.1.4.12. -5.399e-03 1.01759 0.0160735 0.0166085  
## ln\_k.1.4.12. 2.477e-02 0.98893 0.0156207 0.0156120  
## ln\_Vd.1.4.12. -3.057e-03 0.99454 0.0157093 0.0160741  
## ln\_Cbgd.1.4.13. 8.444e-03 0.98746 0.0155976 0.0160320  
## ln\_C\_0.1.4.13. 9.691e-03 0.99791 0.0157626 0.0168135  
## ln\_DWI\_BW\_d.1.4.13. 2.704e-02 0.98384 0.0155404 0.0153668  
## ln\_k.1.4.13. -7.334e-03 1.01529 0.0160372 0.0170533  
## ln\_Vd.1.4.13. -2.063e-02 1.00718 0.0159091 0.0161326  
## ln\_Cbgd.1.4.14. 7.682e-03 1.00088 0.0158095 0.0161683  
## ln\_C\_0.1.4.14. -1.734e-04 0.99199 0.0156690 0.0161755  
## ln\_DWI\_BW\_d.1.4.14. 1.439e-02 0.99405 0.0157016 0.0165672  
## ln\_k.1.4.14. 1.629e-02 0.99458 0.0157100 0.0154678  
## ln\_Vd.1.4.14. -3.696e-02 0.99313 0.0156871 0.0170563  
## ln\_Cbgd.1.4.15. 1.904e-02 1.01283 0.0159983 0.0160121  
## ln\_C\_0.1.4.15. -4.862e-03 1.01728 0.0160685 0.0169307  
## ln\_DWI\_BW\_d.1.4.15. -9.290e-03 1.00488 0.0158727 0.0158724  
## ln\_k.1.4.15. -1.100e-03 0.99256 0.0156781 0.0162704  
## ln\_Vd.1.4.15. 8.071e-03 1.01622 0.0160518 0.0166354  
## ln\_Cbgd.1.4.16. -1.984e-03 0.99177 0.0156656 0.0160089  
## ln\_C\_0.1.4.16. 1.437e-02 1.00735 0.0159117 0.0164323  
## ln\_DWI\_BW\_d.1.4.16. 1.026e-02 1.00418 0.0158617 0.0161055  
## ln\_k.1.4.16. 6.030e-03 0.98964 0.0156320 0.0159803  
## ln\_Vd.1.4.16. -3.640e-03 1.00692 0.0159048 0.0162274  
## ln\_Cbgd.1.4.17. -2.564e-03 0.99410 0.0157024 0.0161907  
## ln\_C\_0.1.4.17. -1.347e-02 0.99840 0.0157704 0.0159816  
## ln\_DWI\_BW\_d.1.4.17. 2.040e-02 1.00984 0.0159510 0.0171527  
## ln\_k.1.4.17. -7.071e-03 0.99347 0.0156925 0.0158852  
## ln\_Vd.1.4.17. -5.313e-03 0.99193 0.0156681 0.0160931  
## ln\_Cbgd.1.4.18. 9.541e-03 1.01462 0.0160265 0.0171387  
## ln\_C\_0.1.4.18. 9.684e-03 1.01389 0.0160150 0.0169685  
## ln\_DWI\_BW\_d.1.4.18. 1.641e-02 1.01433 0.0160219 0.0163349  
## ln\_k.1.4.18. -2.006e-02 1.00397 0.0158583 0.0163503  
## ln\_Vd.1.4.18. 2.100e-02 1.01549 0.0160402 0.0172016  
## ln\_Cbgd.1.4.19. -1.875e-03 1.00013 0.0157976 0.0169424  
## ln\_C\_0.1.4.19. 1.145e-02 1.00040 0.0158019 0.0154566  
## ln\_DWI\_BW\_d.1.4.19. -1.348e-02 1.00381 0.0158558 0.0160928  
## ln\_k.1.4.19. 4.009e-03 0.98906 0.0156227 0.0158116  
## ln\_Vd.1.4.19. -3.400e-02 1.03242 0.0163077 0.0166833  
## ln\_Cbgd.1.4.20. -3.880e-02 0.98821 0.0156093 0.0161414  
## ln\_C\_0.1.4.20. -2.116e-02 0.99437 0.0157067 0.0163644  
## ln\_DWI\_BW\_d.1.4.20. 1.365e-03 1.02213 0.0161451 0.0163367  
## ln\_k.1.4.20. 3.079e-02 1.01455 0.0160254 0.0169818  
## ln\_Vd.1.4.20. 3.302e-02 1.02039 0.0161177 0.0161185  
## ln\_Cbgd.1.4.21. -2.880e-03 1.00076 0.0158076 0.0158087  
## ln\_C\_0.1.4.21. 5.409e-03 1.00537 0.0158804 0.0159204  
## ln\_DWI\_BW\_d.1.4.21. -4.052e-02 0.98568 0.0155694 0.0160195  
## ln\_k.1.4.21. 6.627e-04 1.00396 0.0158582 0.0180076  
## ln\_Vd.1.4.21. 1.101e-02 0.99664 0.0157425 0.0152277  
## ln\_Cbgd.1.4.22. 6.935e-03 1.00236 0.0158328 0.0156766  
## ln\_C\_0.1.4.22. -1.112e-02 1.02253 0.0161515 0.0171622  
## ln\_DWI\_BW\_d.1.4.22. -1.097e-02 1.00376 0.0158549 0.0153941  
## ln\_k.1.4.22. -2.420e-02 0.98509 0.0155601 0.0156914  
## ln\_Vd.1.4.22. 1.022e-02 1.01491 0.0160312 0.0167983  
## ln\_Cbgd.1.4.23. 1.960e-02 0.97195 0.0153526 0.0156414  
## ln\_C\_0.1.4.23. 1.281e-02 1.00000 0.0157956 0.0161673  
## ln\_DWI\_BW\_d.1.4.23. -2.479e-02 0.99615 0.0157348 0.0161978  
## ln\_k.1.4.23. -1.119e-02 1.01687 0.0160621 0.0166430  
## ln\_Vd.1.4.23. 1.020e-02 1.00912 0.0159397 0.0165147  
## ln\_Cbgd.1.4.24. -2.727e-03 1.01371 0.0160121 0.0165318  
## ln\_C\_0.1.4.24. 8.932e-03 0.99220 0.0156724 0.0158956  
## ln\_DWI\_BW\_d.1.4.24. 3.454e-03 1.01650 0.0160562 0.0169585  
## ln\_k.1.4.24. -3.013e-03 1.01851 0.0160880 0.0162886  
## ln\_Vd.1.4.24. -7.295e-03 0.99412 0.0157027 0.0156966  
## ln\_Cbgd.1.4.25. -1.000e-02 0.99874 0.0157758 0.0161275  
## ln\_C\_0.1.4.25. -1.645e-02 1.01849 0.0160877 0.0167052  
## ln\_DWI\_BW\_d.1.4.25. 6.103e-03 1.01846 0.0160873 0.0164389  
## ln\_k.1.4.25. -2.018e-02 0.98853 0.0156144 0.0162840  
## ln\_Vd.1.4.25. -2.664e-03 1.01475 0.0160286 0.0166736  
## ln\_Cbgd.1.4.26. 7.313e-03 0.99310 0.0156866 0.0156832  
## ln\_C\_0.1.4.26. -1.510e-02 0.99016 0.0156401 0.0164961  
## ln\_DWI\_BW\_d.1.4.26. -3.127e-03 1.01010 0.0159552 0.0163534  
## ln\_k.1.4.26. -3.523e-03 1.00153 0.0158198 0.0158170  
## ln\_Vd.1.4.26. -1.736e-02 0.99670 0.0157434 0.0157037  
## ln\_Cbgd.1.4.27. 1.909e-02 0.99931 0.0157846 0.0165263  
## ln\_C\_0.1.4.27. 6.603e-03 0.99604 0.0157330 0.0162372  
## ln\_DWI\_BW\_d.1.4.27. 3.533e-03 0.98873 0.0156176 0.0155033  
## ln\_k.1.4.27. -3.499e-02 1.01864 0.0160900 0.0176934  
## ln\_Vd.1.4.27. -1.577e-02 1.00524 0.0158783 0.0170498  
## ln\_Cbgd.1.4.28. 9.027e-03 0.99189 0.0156676 0.0157132  
## ln\_C\_0.1.4.28. 5.065e-03 0.99846 0.0157712 0.0160136  
## ln\_DWI\_BW\_d.1.4.28. 2.128e-02 1.02284 0.0161563 0.0162380  
## ln\_k.1.4.28. -3.998e-03 0.99298 0.0156847 0.0163514  
## ln\_Vd.1.4.28. -3.478e-04 0.99193 0.0156682 0.0158616  
## ln\_Cbgd.1.4.29. 3.136e-02 0.99272 0.0156805 0.0164222  
## ln\_C\_0.1.4.29. 6.869e-03 0.99320 0.0156883 0.0166851  
## ln\_DWI\_BW\_d.1.4.29. -8.282e-03 1.00578 0.0158868 0.0156712  
## ln\_k.1.4.29. 1.418e-02 1.00570 0.0158857 0.0171883  
## ln\_Vd.1.4.29. -1.258e-02 1.00573 0.0158861 0.0160763  
## ln\_Cbgd.1.4.30. 2.294e-02 1.02618 0.0162091 0.0159534  
## ln\_C\_0.1.4.30. 2.516e-02 1.01443 0.0160235 0.0165440  
## ln\_DWI\_BW\_d.1.4.30. -3.429e-03 1.01546 0.0160398 0.0157835  
## ln\_k.1.4.30. 4.308e-03 0.99675 0.0157442 0.0157008  
## ln\_Vd.1.4.30. -5.493e-03 1.00054 0.0158041 0.0170381  
## ln\_Cbgd.1.4.31. -1.357e-02 0.99968 0.0157906 0.0157903  
## ln\_C\_0.1.4.31. -3.462e-02 0.98298 0.0155267 0.0155294  
## ln\_DWI\_BW\_d.1.4.31. -1.883e-02 1.00375 0.0158548 0.0159768  
## ln\_k.1.4.31. 3.019e-02 0.99819 0.0157669 0.0170235  
## ln\_Vd.1.4.31. 1.776e-02 1.00044 0.0158025 0.0157501  
## ln\_Cbgd.1.4.32. 1.744e-02 0.98555 0.0155674 0.0152671  
## ln\_C\_0.1.4.32. -9.483e-03 0.98811 0.0156078 0.0159137  
## ln\_DWI\_BW\_d.1.4.32. -2.778e-03 1.02816 0.0162403 0.0163088  
## ln\_k.1.4.32. 1.301e-02 1.00659 0.0158997 0.0161814  
## ln\_Vd.1.4.32. 2.294e-03 1.01385 0.0160144 0.0163151  
## ln\_Cbgd.1.4.33. 6.785e-03 1.01436 0.0160223 0.0162883  
## ln\_C\_0.1.4.33. 1.023e-03 1.02593 0.0162052 0.0169171  
## ln\_DWI\_BW\_d.1.4.33. -7.244e-03 0.99644 0.0157393 0.0158991  
## ln\_k.1.4.33. -5.413e-03 1.00160 0.0158210 0.0157262  
## ln\_Vd.1.4.33. 9.380e-03 1.00334 0.0158484 0.0167826  
## ln\_Cbgd.1.4.34. 3.536e-03 0.98388 0.0155410 0.0166541  
## ln\_C\_0.1.4.34. 2.172e-02 0.99969 0.0157907 0.0161010  
## ln\_DWI\_BW\_d.1.4.34. -1.563e-02 1.00294 0.0158421 0.0157374  
## ln\_k.1.4.34. 7.249e-03 0.98433 0.0155481 0.0153889  
## ln\_Vd.1.4.34. 2.529e-03 0.99171 0.0156646 0.0166411  
## ln\_Cbgd.1.4.35. 2.073e-02 0.98132 0.0155005 0.0150729  
## ln\_C\_0.1.4.35. 3.043e-02 0.97942 0.0154706 0.0162912  
## ln\_DWI\_BW\_d.1.4.35. -1.735e-02 1.00460 0.0158683 0.0166012  
## ln\_k.1.4.35. -8.886e-03 0.98369 0.0155380 0.0162483  
## ln\_Vd.1.4.35. 6.753e-03 1.00683 0.0159035 0.0165497  
## ln\_Cbgd.1.4.36. 1.608e-03 1.01621 0.0160516 0.0160369  
## ln\_C\_0.1.4.36. -1.293e-02 1.00255 0.0158359 0.0165794  
## ln\_DWI\_BW\_d.1.4.36. 3.720e-02 1.00008 0.0157969 0.0163288  
## ln\_k.1.4.36. -1.508e-02 0.99718 0.0157510 0.0155620  
## ln\_Vd.1.4.36. -4.800e-03 1.00661 0.0159001 0.0172271  
## ln\_Cbgd.1.4.37. 8.334e-03 1.02187 0.0161410 0.0166718  
## ln\_C\_0.1.4.37. -4.557e-03 1.00395 0.0158580 0.0158291  
## ln\_DWI\_BW\_d.1.4.37. -8.254e-03 1.01913 0.0160978 0.0154563  
## ln\_k.1.4.37. -8.000e-03 0.98890 0.0156202 0.0161763  
## ln\_Vd.1.4.37. 9.344e-03 1.00261 0.0158369 0.0164368  
## ln\_Cbgd.1.4.38. 7.667e-03 1.00280 0.0158398 0.0174773  
## ln\_C\_0.1.4.38. -1.196e-02 1.00658 0.0158995 0.0164450  
## ln\_DWI\_BW\_d.1.4.38. 1.391e-02 1.00931 0.0159427 0.0168564  
## ln\_k.1.4.38. 5.800e-03 0.99535 0.0157221 0.0161422  
## ln\_Vd.1.4.38. -1.163e-02 1.00555 0.0158833 0.0160571  
## ln\_Cbgd.1.4.39. 1.935e-02 0.99109 0.0156548 0.0164705  
## ln\_C\_0.1.4.39. -4.300e-04 0.98124 0.0154993 0.0157040  
## ln\_DWI\_BW\_d.1.4.39. -2.556e-02 1.00634 0.0158957 0.0162444  
## ln\_k.1.4.39. 4.556e-03 1.00479 0.0158713 0.0165093  
## ln\_Vd.1.4.39. -6.479e-03 1.00403 0.0158593 0.0169453  
## ln\_Cbgd.1.4.40. 8.934e-04 1.00530 0.0158793 0.0157523  
## ln\_C\_0.1.4.40. 2.405e-02 1.00265 0.0158375 0.0158393  
## ln\_DWI\_BW\_d.1.4.40. -6.225e-03 0.97988 0.0154777 0.0159589  
## ln\_k.1.4.40. -2.190e-02 0.99990 0.0157941 0.0155235  
## ln\_Vd.1.4.40. -1.765e-02 1.01208 0.0159864 0.0161451  
## ln\_Cbgd.1.4.41. -1.720e-02 1.00593 0.0158893 0.0165360  
## ln\_C\_0.1.4.41. -2.309e-02 1.01219 0.0159882 0.0165313  
## ln\_DWI\_BW\_d.1.4.41. 1.654e-02 1.02499 0.0161904 0.0155768  
## ln\_k.1.4.41. 7.966e-03 0.98848 0.0156136 0.0157643  
## ln\_Vd.1.4.41. -2.627e-03 1.00439 0.0158649 0.0169601  
## ln\_Cbgd.1.4.42. 2.684e-02 1.00839 0.0159282 0.0164164  
## ln\_C\_0.1.4.42. 1.655e-02 0.97994 0.0154787 0.0154749  
## ln\_DWI\_BW\_d.1.4.42. 1.004e-02 1.00499 0.0158744 0.0166794  
## ln\_k.1.4.42. 2.311e-02 1.01318 0.0160039 0.0162762  
## ln\_Vd.1.4.42. 1.013e-03 0.99587 0.0157304 0.0161419  
## ln\_Cbgd.1.4.43. 3.716e-03 0.99490 0.0157150 0.0159782  
## ln\_C\_0.1.4.43. 3.881e-04 1.00170 0.0158224 0.0179290  
## ln\_DWI\_BW\_d.1.4.43. 1.078e-02 1.00514 0.0158768 0.0163234  
## ln\_k.1.4.43. 5.187e-03 1.00365 0.0158533 0.0167675  
## ln\_Vd.1.4.43. -2.634e-02 0.99417 0.0157036 0.0158890  
## ln\_Cbgd.1.4.44. 2.871e-02 0.99592 0.0157312 0.0159466  
## ln\_C\_0.1.4.44. -2.529e-02 1.00259 0.0158365 0.0168220  
## ln\_DWI\_BW\_d.1.4.44. 1.776e-02 1.01431 0.0160216 0.0163135  
## ln\_k.1.4.44. 7.819e-03 1.00404 0.0158595 0.0165498  
## ln\_Vd.1.4.44. 7.480e-03 1.00546 0.0158819 0.0168264  
## ln\_Cbgd.1.4.45. 2.580e-02 0.99563 0.0157266 0.0159509  
## ln\_C\_0.1.4.45. -2.459e-03 0.99633 0.0157376 0.0157463  
## ln\_DWI\_BW\_d.1.4.45. 1.533e-02 0.98371 0.0155383 0.0163571  
## ln\_k.1.4.45. -1.151e-02 1.00147 0.0158189 0.0160682  
## ln\_Vd.1.4.45. -5.218e-03 0.99350 0.0156930 0.0158782  
## ln\_Cbgd.1.4.46. 1.528e-02 0.97771 0.0154436 0.0159153  
## ln\_C\_0.1.4.46. -1.524e-02 0.99728 0.0157526 0.0156860  
## ln\_DWI\_BW\_d.1.4.46. 1.308e-02 0.99293 0.0156840 0.0167757  
## ln\_k.1.4.46. 5.004e-03 1.00550 0.0158825 0.0160620  
## ln\_Vd.1.4.46. -1.294e-02 0.98688 0.0155884 0.0151290  
## ln\_Cbgd.1.4.47. -2.652e-02 0.99051 0.0156458 0.0158601  
## ln\_C\_0.1.4.47. 3.992e-03 0.98853 0.0156145 0.0158936  
## ln\_DWI\_BW\_d.1.4.47. 2.755e-02 0.98865 0.0156164 0.0171124  
## ln\_k.1.4.47. -1.200e-02 1.00165 0.0158217 0.0161955  
## ln\_Vd.1.4.47. -2.262e-02 1.00523 0.0158783 0.0164347  
## ln\_Cbgd.1.4.48. -9.999e-03 1.02632 0.0162113 0.0165552  
## ln\_C\_0.1.4.48. -2.433e-02 1.00337 0.0158489 0.0177406  
## ln\_DWI\_BW\_d.1.4.48. 3.828e-03 0.99706 0.0157491 0.0162586  
## ln\_k.1.4.48. 1.392e-02 0.99503 0.0157171 0.0159953  
## ln\_Vd.1.4.48. -4.850e-04 0.98789 0.0156044 0.0162169  
## ln\_Cbgd.1.4.49. -9.774e-03 1.00094 0.0158104 0.0169380  
## ln\_C\_0.1.4.49. -1.506e-02 1.00381 0.0158558 0.0170596  
## ln\_DWI\_BW\_d.1.4.49. 1.621e-02 0.98979 0.0156343 0.0167463  
## ln\_k.1.4.49. -1.360e-02 1.01295 0.0160002 0.0158454  
## ln\_Vd.1.4.49. 6.300e-04 0.98759 0.0155995 0.0161660  
## M\_ln\_Cbgd\_sc.1.5. -1.183e-01 0.30571 0.0048288 0.0055177  
## M\_ln\_C\_0\_sc.1.5. 3.131e-03 0.41631 0.0065758 0.0066527  
## M\_ln\_Cbgd\_sc.1.6. -2.705e-01 0.39637 0.0062609 0.0067757  
## M\_ln\_C\_0\_sc.1.6. -1.314e-02 0.40009 0.0063197 0.0064061  
## M\_ln\_Cbgd\_sc.1.7. -2.295e-01 0.41293 0.0065224 0.0065219  
## M\_ln\_C\_0\_sc.1.7. -5.620e-03 0.40400 0.0063814 0.0068408  
## M\_ln\_Cbgd\_sc.1.8. -2.285e-01 0.41066 0.0064867 0.0068116  
## M\_ln\_C\_0\_sc.1.8. 9.899e-04 0.39797 0.0062862 0.0062423  
## LnPrior -9.647e+02 18.22593 0.2878895 0.3352078  
## LnData -2.933e+02 23.79612 0.3758740 1.6923567  
## LnPosterior -1.258e+03 27.71011 0.4376978 1.4112054  
##   
## 2. Quantiles for each variable:  
##   
## 2.5% 25% 50% 75% 97.5%  
## M\_ln\_k.1. -1.854e+00 -1.675e+00 -1.573e+00 -1.471e+00 -1.273e+00  
## M\_ln\_Vd.1. -1.566e+00 -1.298e+00 -1.155e+00 -1.011e+00 -7.594e-01  
## V\_ln\_k.1. 1.240e-01 1.700e-01 1.982e-01 2.310e-01 3.101e-01  
## SD\_ln\_Vd.1. 4.707e-03 4.965e-02 1.074e-01 1.836e-01 3.515e-01  
## GSD\_Cserum.1. 1.101e+00 1.108e+00 1.119e+00 1.138e+00 1.197e+00  
## GSD\_Cbgd\_Css.1. 1.116e+00 1.255e+00 1.405e+00 1.567e+00 1.963e+00  
## GSD\_M\_Cbgd\_Css.1. 1.111e+00 1.242e+00 1.473e+00 2.104e+00 6.973e+00  
## M\_ln\_Cbgd\_sc.1.1. -8.623e-01 -3.686e-01 -1.132e-01 1.322e-01 5.420e-01  
## M\_ln\_C\_0\_sc.1.1. -9.828e-02 -2.851e-02 6.412e-03 4.096e-02 1.029e-01  
## ln\_Cbgd.1.1.1. -1.683e+00 -3.057e-01 4.845e-01 1.389e+00 2.830e+00  
## ln\_C\_0.1.1.1. -9.003e-01 -1.576e-01 2.136e-01 5.759e-01 1.334e+00  
## ln\_DWI\_BW\_d.1.1.1. -1.497e+00 4.704e-02 8.752e-01 1.646e+00 2.726e+00  
## ln\_k.1.1.1. -2.888e+00 -1.914e+00 -1.357e+00 -8.208e-01 5.372e-01  
## ln\_Vd.1.1.1. -2.056e+00 -7.732e-01 -1.214e-01 5.501e-01 1.935e+00  
## ln\_Cbgd.1.1.2. -2.006e+00 -8.140e-01 -2.539e-01 2.524e-01 1.055e+00  
## ln\_C\_0.1.1.2. -1.225e+00 -4.404e-01 -7.643e-02 3.173e-01 1.041e+00  
## ln\_DWI\_BW\_d.1.1.2. -2.141e+00 -8.719e-01 -3.049e-01 2.480e-01 1.239e+00  
## ln\_k.1.1.2. -8.124e-01 -5.776e-02 3.582e-01 7.891e-01 1.881e+00  
## ln\_Vd.1.1.2. -1.848e+00 -6.115e-01 4.877e-02 7.147e-01 1.966e+00  
## ln\_Cbgd.1.1.3. -1.927e+00 -6.462e-01 1.969e-02 6.715e-01 1.834e+00  
## ln\_C\_0.1.1.3. -1.252e+00 -4.479e-01 -6.904e-02 3.095e-01 1.056e+00  
## ln\_DWI\_BW\_d.1.1.3. -2.011e+00 -6.758e-01 -1.612e-02 6.584e-01 1.899e+00  
## ln\_k.1.1.3. -7.820e-01 -1.880e-01 1.060e-01 3.941e-01 9.772e-01  
## ln\_Vd.1.1.3. -1.985e+00 -6.565e-01 2.305e-02 6.954e-01 2.063e+00  
## ln\_Cbgd.1.1.4. -2.177e+00 -1.052e+00 -5.078e-01 2.371e-02 8.909e-01  
## ln\_C\_0.1.1.4. -1.247e+00 -4.865e-01 -1.026e-01 2.831e-01 1.024e+00  
## ln\_DWI\_BW\_d.1.1.4. -2.132e+00 -9.399e-01 -3.516e-01 2.426e-01 1.189e+00  
## ln\_k.1.1.4. 3.632e-01 9.271e-01 1.255e+00 1.603e+00 2.346e+00  
## ln\_Vd.1.1.4. -1.826e+00 -6.195e-01 6.374e-02 7.617e-01 1.980e+00  
## ln\_Cbgd.1.1.5. -1.899e+00 -7.137e-01 -8.561e-02 6.039e-01 1.757e+00  
## ln\_C\_0.1.1.5. -1.234e+00 -4.904e-01 -1.006e-01 2.989e-01 1.031e+00  
## ln\_DWI\_BW\_d.1.1.5. -1.959e+00 -6.887e-01 -6.731e-02 5.696e-01 1.746e+00  
## ln\_k.1.1.5. -1.686e-01 3.712e-01 6.554e-01 9.503e-01 1.550e+00  
## ln\_Vd.1.1.5. -1.982e+00 -6.766e-01 1.365e-02 6.999e-01 1.932e+00  
## ln\_Cbgd.1.1.6. -1.736e+00 -4.188e-01 2.416e-01 7.752e-01 1.646e+00  
## ln\_C\_0.1.1.6. -1.154e+00 -3.910e-01 1.926e-03 3.768e-01 1.146e+00  
## ln\_DWI\_BW\_d.1.1.6. -1.847e+00 -5.617e-01 1.132e-01 6.519e-01 1.513e+00  
## ln\_k.1.1.6. -1.999e+00 -9.322e-01 -3.421e-01 2.554e-01 1.576e+00  
## ln\_Vd.1.1.6. -1.902e+00 -6.784e-01 -2.725e-02 6.555e-01 1.934e+00  
## ln\_Cbgd.1.1.7. -2.066e+00 -7.756e-01 -1.858e-01 4.213e-01 1.410e+00  
## ln\_C\_0.1.1.7. -1.284e+00 -5.076e-01 -1.128e-01 2.539e-01 1.007e+00  
## ln\_DWI\_BW\_d.1.1.7. -2.092e+00 -8.305e-01 -1.905e-01 4.168e-01 1.530e+00  
## ln\_k.1.1.7. 1.594e-01 7.172e-01 9.999e-01 1.301e+00 2.023e+00  
## ln\_Vd.1.1.7. -1.883e+00 -6.361e-01 3.659e-02 6.830e-01 2.021e+00  
## ln\_Cbgd.1.1.8. -2.019e+00 -7.339e-01 -4.985e-02 5.899e-01 1.538e+00  
## ln\_C\_0.1.1.8. -1.294e+00 -4.930e-01 -9.572e-02 2.911e-01 1.055e+00  
## ln\_DWI\_BW\_d.1.1.8. -2.009e+00 -7.667e-01 -1.526e-01 4.654e-01 1.525e+00  
## ln\_k.1.1.8. -6.055e-01 5.638e-02 3.863e-01 7.590e-01 1.648e+00  
## ln\_Vd.1.1.8. -1.877e+00 -6.670e-01 -1.396e-02 6.616e-01 1.914e+00  
## ln\_Cbgd.1.1.9. -1.956e+00 -5.766e-01 6.117e-02 6.706e-01 1.610e+00  
## ln\_C\_0.1.1.9. -1.180e+00 -4.168e-01 -3.860e-02 3.359e-01 1.053e+00  
## ln\_DWI\_BW\_d.1.1.9. -1.958e+00 -6.917e-01 -3.477e-02 6.199e-01 1.600e+00  
## ln\_k.1.1.9. -1.359e+00 -5.595e-01 -1.413e-01 2.785e-01 1.239e+00  
## ln\_Vd.1.1.9. -1.978e+00 -6.721e-01 4.968e-04 6.697e-01 1.968e+00  
## ln\_Cbgd.1.1.10. -1.959e+00 -6.240e-01 3.614e-02 7.182e-01 1.815e+00  
## ln\_C\_0.1.1.10. -1.206e+00 -4.457e-01 -6.878e-02 3.181e-01 1.072e+00  
## ln\_DWI\_BW\_d.1.1.10. -1.946e+00 -7.208e-01 -9.136e-02 5.449e-01 1.644e+00  
## ln\_k.1.1.10. -1.029e+00 -3.695e-01 -2.067e-02 3.073e-01 1.120e+00  
## ln\_Vd.1.1.10. -1.891e+00 -6.346e-01 7.594e-03 6.728e-01 1.986e+00  
## ln\_Cbgd.1.1.11. -1.850e+00 -4.923e-01 2.574e-01 1.056e+00 2.366e+00  
## ln\_C\_0.1.1.11. -9.415e-01 -2.107e-01 1.278e-01 5.201e-01 1.272e+00  
## ln\_DWI\_BW\_d.1.1.11. -1.662e+00 -2.291e-01 5.120e-01 1.214e+00 2.263e+00  
## ln\_k.1.1.11. -2.478e+00 -1.610e+00 -1.137e+00 -6.831e-01 3.822e-01  
## ln\_Vd.1.1.11. -2.024e+00 -7.735e-01 -8.426e-02 6.312e-01 1.947e+00  
## ln\_Cbgd.1.1.12. -1.799e+00 -3.980e-01 2.855e-01 8.432e-01 1.638e+00  
## ln\_C\_0.1.1.12. -1.118e+00 -3.788e-01 1.852e-02 4.068e-01 1.151e+00  
## ln\_DWI\_BW\_d.1.1.12. -1.738e+00 -4.663e-01 9.260e-02 5.866e-01 1.384e+00  
## ln\_k.1.1.12. -2.178e+00 -1.010e+00 -3.476e-01 3.100e-01 1.614e+00  
## ln\_Vd.1.1.12. -1.974e+00 -6.860e-01 -1.911e-02 6.954e-01 1.951e+00  
## ln\_Cbgd.1.1.13. -1.873e+00 -4.553e-01 2.579e-01 9.526e-01 2.059e+00  
## ln\_C\_0.1.1.13. -1.079e+00 -3.566e-01 3.487e-02 4.218e-01 1.141e+00  
## ln\_DWI\_BW\_d.1.1.13. -1.749e+00 -3.783e-01 2.834e-01 8.903e-01 1.907e+00  
## ln\_k.1.1.13. -2.198e+00 -1.234e+00 -7.353e-01 -2.322e-01 1.064e+00  
## ln\_Vd.1.1.13. -1.969e+00 -7.024e-01 -4.573e-02 6.735e-01 2.015e+00  
## ln\_Cbgd.1.1.14. -1.958e+00 -7.001e-01 -2.530e-02 6.519e-01 1.759e+00  
## ln\_C\_0.1.1.14. -1.189e+00 -4.643e-01 -8.754e-02 3.072e-01 1.046e+00  
## ln\_DWI\_BW\_d.1.1.14. -1.969e+00 -7.020e-01 -6.045e-02 5.630e-01 1.692e+00  
## ln\_k.1.1.14. -8.642e-01 -2.682e-01 4.279e-02 3.803e-01 1.102e+00  
## ln\_Vd.1.1.14. -1.885e+00 -6.474e-01 1.175e-02 6.846e-01 1.988e+00  
## ln\_Cbgd.1.1.15. -1.773e+00 -4.046e-01 3.608e-01 1.226e+00 2.553e+00  
## ln\_C\_0.1.1.15. -9.302e-01 -2.362e-01 1.614e-01 5.381e-01 1.316e+00  
## ln\_DWI\_BW\_d.1.1.15. -1.460e+00 -3.191e-02 7.229e-01 1.376e+00 2.346e+00  
## ln\_k.1.1.15. -2.694e+00 -1.689e+00 -1.172e+00 -5.995e-01 6.091e-01  
## ln\_Vd.1.1.15. -2.078e+00 -7.822e-01 -1.135e-01 5.686e-01 1.857e+00  
## ln\_Cbgd.1.1.16. -1.991e+00 -7.673e-01 -1.521e-01 4.060e-01 1.281e+00  
## ln\_C\_0.1.1.16. -1.215e+00 -4.653e-01 -6.458e-02 3.166e-01 1.048e+00  
## ln\_DWI\_BW\_d.1.1.16. -2.120e+00 -9.066e-01 -2.959e-01 2.643e-01 1.169e+00  
## ln\_k.1.1.16. -7.833e-01 -7.207e-02 2.898e-01 7.020e-01 1.679e+00  
## ln\_Vd.1.1.16. -1.903e+00 -6.138e-01 3.598e-02 7.004e-01 1.982e+00  
## ln\_Cbgd.1.1.17. -1.899e+00 -5.936e-01 9.610e-02 7.370e-01 1.794e+00  
## ln\_C\_0.1.1.17. -1.174e+00 -4.299e-01 -3.360e-02 3.512e-01 1.112e+00  
## ln\_DWI\_BW\_d.1.1.17. -1.924e+00 -6.596e-01 -2.469e-03 6.166e-01 1.682e+00  
## ln\_k.1.1.17. -1.303e+00 -5.720e-01 -1.976e-01 2.034e-01 1.016e+00  
## ln\_Vd.1.1.17. -1.936e+00 -6.766e-01 1.345e-02 6.650e-01 1.955e+00  
## ln\_Cbgd.1.1.18. -1.757e+00 -3.494e-01 4.400e-01 1.207e+00 2.383e+00  
## ln\_C\_0.1.1.18. -1.024e+00 -2.815e-01 9.953e-02 5.010e-01 1.260e+00  
## ln\_DWI\_BW\_d.1.1.18. -1.530e+00 -6.549e-02 6.444e-01 1.221e+00 2.068e+00  
## ln\_k.1.1.18. -2.501e+00 -1.523e+00 -9.798e-01 -3.958e-01 8.236e-01  
## ln\_Vd.1.1.18. -2.088e+00 -7.620e-01 -5.948e-02 5.805e-01 1.902e+00  
## M\_ln\_Cbgd\_sc.1.2. -1.042e+00 -5.102e-01 -2.283e-01 4.192e-02 5.859e-01  
## M\_ln\_C\_0\_sc.1.2. -7.822e-01 -2.659e-01 1.121e-02 2.921e-01 8.074e-01  
## ln\_Cbgd.1.2.1. -1.957e+00 -6.887e-01 -9.649e-03 6.703e-01 1.911e+00  
## ln\_C\_0.1.2.1. -1.975e+00 -7.055e-01 -1.355e-02 6.981e-01 1.994e+00  
## ln\_DWI\_BW\_d.1.2.1. -1.924e+00 -6.499e-01 2.393e-03 6.898e-01 1.983e+00  
## ln\_k.1.2.1. -1.991e+00 -7.034e-01 -5.481e-02 6.026e-01 1.884e+00  
## ln\_Vd.1.2.1. -1.975e+00 -7.188e-01 -1.332e-02 6.289e-01 1.902e+00  
## ln\_Cbgd.1.2.2. -1.934e+00 -6.632e-01 -1.108e-03 6.853e-01 2.005e+00  
## ln\_C\_0.1.2.2. -1.906e+00 -6.954e-01 8.580e-03 6.724e-01 2.000e+00  
## ln\_DWI\_BW\_d.1.2.2. -1.971e+00 -6.798e-01 1.798e-02 7.060e-01 1.931e+00  
## ln\_k.1.2.2. -2.005e+00 -6.618e-01 -3.026e-02 6.548e-01 1.906e+00  
## ln\_Vd.1.2.2. -2.021e+00 -6.573e-01 -5.693e-03 6.698e-01 2.036e+00  
## ln\_Cbgd.1.2.3. -1.915e+00 -6.540e-01 -1.668e-02 6.912e-01 2.056e+00  
## ln\_C\_0.1.2.3. -1.983e+00 -6.656e-01 7.009e-03 6.904e-01 1.982e+00  
## ln\_DWI\_BW\_d.1.2.3. -1.879e+00 -6.487e-01 1.836e-02 6.867e-01 2.005e+00  
## ln\_k.1.2.3. -1.954e+00 -6.953e-01 -1.206e-02 6.523e-01 1.904e+00  
## ln\_Vd.1.2.3. -1.988e+00 -6.899e-01 -1.162e-02 6.726e-01 1.917e+00  
## ln\_Cbgd.1.2.4. -2.026e+00 -6.802e-01 -1.026e-02 6.493e-01 1.995e+00  
## ln\_C\_0.1.2.4. -2.029e+00 -6.604e-01 4.630e-02 6.886e-01 2.008e+00  
## ln\_DWI\_BW\_d.1.2.4. -1.977e+00 -7.031e-01 -3.288e-02 6.195e-01 1.885e+00  
## ln\_k.1.2.4. -2.006e+00 -6.911e-01 3.929e-03 6.335e-01 1.899e+00  
## ln\_Vd.1.2.4. -1.965e+00 -6.581e-01 -2.225e-02 6.670e-01 1.977e+00  
## ln\_Cbgd.1.2.5. -1.928e+00 -6.931e-01 1.913e-02 6.941e-01 1.927e+00  
## ln\_C\_0.1.2.5. -1.953e+00 -6.696e-01 -2.813e-02 6.295e-01 1.939e+00  
## ln\_DWI\_BW\_d.1.2.5. -1.965e+00 -6.782e-01 -2.916e-02 6.560e-01 2.014e+00  
## ln\_k.1.2.5. -2.033e+00 -6.408e-01 2.940e-02 6.847e-01 1.963e+00  
## ln\_Vd.1.2.5. -1.922e+00 -6.690e-01 -4.385e-03 6.613e-01 1.948e+00  
## ln\_Cbgd.1.2.6. -1.985e+00 -6.500e-01 1.823e-02 7.124e-01 1.947e+00  
## ln\_C\_0.1.2.6. -2.008e+00 -7.396e-01 -2.954e-02 6.408e-01 1.876e+00  
## ln\_DWI\_BW\_d.1.2.6. -2.005e+00 -7.018e-01 -1.408e-02 6.504e-01 1.996e+00  
## ln\_k.1.2.6. -1.982e+00 -6.732e-01 3.795e-02 7.336e-01 1.978e+00  
## ln\_Vd.1.2.6. -2.000e+00 -6.903e-01 -2.839e-02 6.490e-01 1.931e+00  
## ln\_Cbgd.1.2.7. -1.987e+00 -6.279e-01 2.737e-02 7.085e-01 2.050e+00  
## ln\_C\_0.1.2.7. -1.947e+00 -6.774e-01 -3.451e-02 6.552e-01 1.943e+00  
## ln\_DWI\_BW\_d.1.2.7. -1.973e+00 -6.561e-01 2.143e-02 6.964e-01 2.021e+00  
## ln\_k.1.2.7. -1.977e+00 -6.860e-01 -2.742e-02 6.524e-01 1.927e+00  
## ln\_Vd.1.2.7. -1.990e+00 -6.031e-01 2.573e-02 6.949e-01 1.930e+00  
## ln\_Cbgd.1.2.8. -1.912e+00 -7.018e-01 -4.619e-02 6.490e-01 1.978e+00  
## ln\_C\_0.1.2.8. -1.955e+00 -6.487e-01 3.057e-02 7.011e-01 2.039e+00  
## ln\_DWI\_BW\_d.1.2.8. -1.965e+00 -6.806e-01 7.371e-03 6.701e-01 2.010e+00  
## ln\_k.1.2.8. -2.036e+00 -6.974e-01 -5.004e-02 6.291e-01 1.934e+00  
## ln\_Vd.1.2.8. -2.028e+00 -7.164e-01 -2.456e-02 6.644e-01 1.929e+00  
## ln\_Cbgd.1.2.9. -1.931e+00 -6.362e-01 5.574e-03 6.666e-01 1.959e+00  
## ln\_C\_0.1.2.9. -1.975e+00 -6.846e-01 -1.449e-02 6.454e-01 1.943e+00  
## ln\_DWI\_BW\_d.1.2.9. -1.853e+00 -6.352e-01 2.187e-02 6.871e-01 1.968e+00  
## ln\_k.1.2.9. -1.982e+00 -6.674e-01 1.732e-02 7.171e-01 2.019e+00  
## ln\_Vd.1.2.9. -1.895e+00 -6.671e-01 -2.659e-02 6.786e-01 1.961e+00  
## ln\_Cbgd.1.2.10. -1.948e+00 -6.806e-01 3.046e-02 6.826e-01 1.947e+00  
## ln\_C\_0.1.2.10. -1.940e+00 -6.716e-01 -6.438e-03 6.485e-01 2.009e+00  
## ln\_DWI\_BW\_d.1.2.10. -1.956e+00 -7.067e-01 -1.218e-02 6.443e-01 1.956e+00  
## ln\_k.1.2.10. -1.890e+00 -6.758e-01 1.106e-02 6.985e-01 2.047e+00  
## ln\_Vd.1.2.10. -1.941e+00 -6.580e-01 -1.673e-03 6.890e-01 1.952e+00  
## ln\_Cbgd.1.2.11. -1.916e+00 -6.609e-01 2.211e-03 6.342e-01 1.856e+00  
## ln\_C\_0.1.2.11. -1.987e+00 -6.607e-01 3.910e-04 6.889e-01 1.946e+00  
## ln\_DWI\_BW\_d.1.2.11. -1.973e+00 -6.811e-01 3.143e-02 7.030e-01 1.926e+00  
## ln\_k.1.2.11. -1.951e+00 -6.878e-01 -6.935e-03 6.715e-01 1.971e+00  
## ln\_Vd.1.2.11. -1.920e+00 -6.735e-01 -3.272e-03 6.790e-01 1.884e+00  
## ln\_Cbgd.1.2.12. -1.929e+00 -6.907e-01 -3.647e-02 6.335e-01 1.925e+00  
## ln\_C\_0.1.2.12. -1.948e+00 -7.005e-01 3.388e-02 6.904e-01 1.981e+00  
## ln\_DWI\_BW\_d.1.2.12. -2.029e+00 -7.137e-01 -6.079e-02 6.108e-01 1.869e+00  
## ln\_k.1.2.12. -1.938e+00 -6.477e-01 2.235e-02 7.138e-01 1.963e+00  
## ln\_Vd.1.2.12. -1.893e+00 -6.415e-01 5.865e-02 6.926e-01 1.927e+00  
## ln\_Cbgd.1.2.13. -1.988e+00 -6.556e-01 8.154e-03 6.803e-01 1.932e+00  
## ln\_C\_0.1.2.13. -1.949e+00 -6.623e-01 1.409e-02 6.836e-01 1.951e+00  
## ln\_DWI\_BW\_d.1.2.13. -1.978e+00 -6.726e-01 4.544e-03 6.620e-01 1.918e+00  
## ln\_k.1.2.13. -1.940e+00 -6.579e-01 -1.456e-03 6.834e-01 1.981e+00  
## ln\_Vd.1.2.13. -1.949e+00 -6.629e-01 -9.353e-03 6.441e-01 1.922e+00  
## ln\_Cbgd.1.2.14. -1.941e+00 -6.557e-01 2.407e-02 6.522e-01 2.032e+00  
## ln\_C\_0.1.2.14. -1.942e+00 -6.494e-01 2.373e-02 6.865e-01 1.960e+00  
## ln\_DWI\_BW\_d.1.2.14. -1.882e+00 -6.936e-01 2.628e-02 7.140e-01 2.020e+00  
## ln\_k.1.2.14. -1.963e+00 -6.654e-01 1.259e-02 6.648e-01 1.912e+00  
## ln\_Vd.1.2.14. -1.929e+00 -6.466e-01 -1.142e-02 6.770e-01 1.937e+00  
## ln\_Cbgd.1.2.15. -1.970e+00 -6.854e-01 -8.292e-03 6.794e-01 1.890e+00  
## ln\_C\_0.1.2.15. -1.931e+00 -6.816e-01 -1.051e-02 6.644e-01 2.022e+00  
## ln\_DWI\_BW\_d.1.2.15. -1.930e+00 -6.711e-01 9.984e-03 7.115e-01 1.949e+00  
## ln\_k.1.2.15. -1.941e+00 -6.653e-01 -9.278e-03 6.264e-01 1.869e+00  
## ln\_Vd.1.2.15. -1.990e+00 -6.572e-01 -8.236e-03 6.556e-01 1.999e+00  
## ln\_Cbgd.1.2.16. -1.943e+00 -6.295e-01 2.746e-02 7.143e-01 2.055e+00  
## ln\_C\_0.1.2.16. -1.944e+00 -6.725e-01 2.352e-02 6.802e-01 1.940e+00  
## ln\_DWI\_BW\_d.1.2.16. -1.956e+00 -6.628e-01 2.369e-03 6.938e-01 1.939e+00  
## ln\_k.1.2.16. -1.928e+00 -6.934e-01 7.556e-03 6.606e-01 1.906e+00  
## ln\_Vd.1.2.16. -2.013e+00 -6.607e-01 3.425e-02 6.884e-01 1.941e+00  
## ln\_Cbgd.1.2.17. -1.924e+00 -6.882e-01 1.398e-02 6.509e-01 1.897e+00  
## ln\_C\_0.1.2.17. -1.996e+00 -6.930e-01 -6.666e-03 6.497e-01 1.861e+00  
## ln\_DWI\_BW\_d.1.2.17. -1.940e+00 -7.011e-01 -4.916e-02 6.340e-01 1.962e+00  
## ln\_k.1.2.17. -1.960e+00 -6.598e-01 1.635e-02 6.574e-01 2.058e+00  
## ln\_Vd.1.2.17. -1.981e+00 -6.797e-01 2.341e-02 7.061e-01 1.966e+00  
## ln\_Cbgd.1.2.18. -1.919e+00 -6.891e-01 -5.203e-03 6.836e-01 1.997e+00  
## ln\_C\_0.1.2.18. -1.908e+00 -6.539e-01 -7.234e-03 6.607e-01 1.899e+00  
## ln\_DWI\_BW\_d.1.2.18. -2.007e+00 -6.971e-01 -2.669e-02 6.736e-01 1.961e+00  
## ln\_k.1.2.18. -2.000e+00 -6.484e-01 1.662e-02 6.770e-01 1.995e+00  
## ln\_Vd.1.2.18. -1.997e+00 -7.058e-01 -1.088e-03 6.433e-01 2.007e+00  
## ln\_Cbgd.1.2.19. -2.033e+00 -7.080e-01 -1.033e-02 6.671e-01 1.942e+00  
## ln\_C\_0.1.2.19. -1.971e+00 -6.883e-01 -2.193e-02 7.089e-01 1.939e+00  
## ln\_DWI\_BW\_d.1.2.19. -2.043e+00 -6.914e-01 -2.112e-02 6.415e-01 1.999e+00  
## ln\_k.1.2.19. -2.011e+00 -6.795e-01 1.571e-03 7.059e-01 1.924e+00  
## ln\_Vd.1.2.19. -1.908e+00 -6.376e-01 2.494e-02 6.953e-01 1.916e+00  
## M\_ln\_Cbgd\_sc.1.3. -5.865e-01 -2.967e-01 -1.392e-01 -6.696e-06 2.298e-01  
## M\_ln\_C\_0\_sc.1.3. -8.055e-01 -2.660e-01 3.781e-03 2.816e-01 8.271e-01  
## ln\_Cbgd.1.3.1. -2.080e+00 -1.008e+00 -5.332e-01 -9.474e-02 7.479e-01  
## ln\_C\_0.1.3.1. -1.949e+00 -6.654e-01 1.736e-02 7.212e-01 2.006e+00  
## ln\_DWI\_BW\_d.1.3.1. -2.098e+00 -1.108e+00 -5.929e-01 -1.049e-01 8.037e-01  
## ln\_k.1.3.1. -1.518e+00 -3.197e-01 3.267e-01 9.866e-01 2.140e+00  
## ln\_Vd.1.3.1. -1.825e+00 -5.604e-01 9.549e-02 7.733e-01 1.938e+00  
## ln\_Cbgd.1.3.2. -1.653e+00 -2.183e-01 4.691e-01 1.079e+00 1.946e+00  
## ln\_C\_0.1.3.2. -1.900e+00 -6.986e-01 -2.666e-02 6.219e-01 1.943e+00  
## ln\_DWI\_BW\_d.1.3.2. -1.492e+00 -1.127e-01 4.750e-01 9.700e-01 1.870e+00  
## ln\_k.1.3.2. -2.037e+00 -8.530e-01 -1.890e-01 4.526e-01 1.723e+00  
## ln\_Vd.1.3.2. -1.896e+00 -7.116e-01 -7.585e-02 5.748e-01 1.885e+00  
## ln\_Cbgd.1.3.3. -1.879e+00 -6.158e-01 -9.784e-04 6.131e-01 1.617e+00  
## ln\_C\_0.1.3.3. -1.983e+00 -7.090e-01 -9.245e-04 6.520e-01 1.942e+00  
## ln\_DWI\_BW\_d.1.3.3. -1.763e+00 -7.261e-01 -2.625e-01 1.527e-01 9.678e-01  
## ln\_k.1.3.3. -1.722e+00 -4.996e-01 1.149e-01 7.487e-01 1.890e+00  
## ln\_Vd.1.3.3. -1.803e+00 -6.023e-01 6.115e-02 7.548e-01 1.998e+00  
## ln\_Cbgd.1.3.4. -1.595e+00 -1.580e-01 5.836e-01 1.219e+00 2.080e+00  
## ln\_C\_0.1.3.4. -1.996e+00 -6.899e-01 1.742e-02 7.035e-01 1.960e+00  
## ln\_DWI\_BW\_d.1.3.4. -1.410e+00 -3.289e-02 5.659e-01 1.059e+00 1.983e+00  
## ln\_k.1.3.4. -2.119e+00 -9.166e-01 -2.905e-01 3.995e-01 1.744e+00  
## ln\_Vd.1.3.4. -1.939e+00 -7.343e-01 -9.902e-02 5.830e-01 1.822e+00  
## ln\_Cbgd.1.3.5. -1.980e+00 -6.895e-01 -1.410e-02 6.123e-01 1.669e+00  
## ln\_C\_0.1.3.5. -1.957e+00 -6.860e-01 -1.170e-03 6.972e-01 1.952e+00  
## ln\_DWI\_BW\_d.1.3.5. -1.793e+00 -9.340e-01 -5.258e-01 -7.961e-02 6.774e-01  
## ln\_k.1.3.5. -1.561e+00 -4.241e-01 2.114e-01 8.485e-01 2.096e+00  
## ln\_Vd.1.3.5. -1.830e+00 -6.144e-01 1.018e-01 7.336e-01 2.012e+00  
## ln\_Cbgd.1.3.6. -1.807e+00 -5.124e-01 1.580e-01 7.900e-01 1.731e+00  
## ln\_C\_0.1.3.6. -1.950e+00 -7.061e-01 -1.357e-02 6.864e-01 1.956e+00  
## ln\_DWI\_BW\_d.1.3.6. -1.536e+00 -4.590e-01 1.245e-03 4.539e-01 1.283e+00  
## ln\_k.1.3.6. -1.800e+00 -6.402e-01 2.435e-02 6.252e-01 1.804e+00  
## ln\_Vd.1.3.6. -1.998e+00 -6.626e-01 -1.891e-02 6.782e-01 1.949e+00  
## ln\_Cbgd.1.3.7. -1.645e+00 -1.543e-01 7.622e-01 1.778e+00 3.021e+00  
## ln\_C\_0.1.3.7. -2.061e+00 -7.112e-01 -7.305e-02 6.103e-01 1.961e+00  
## ln\_DWI\_BW\_d.1.3.7. -1.059e+00 8.025e-01 1.482e+00 2.007e+00 2.824e+00  
## ln\_k.1.3.7. -2.632e+00 -1.367e+00 -7.085e-01 4.931e-03 1.377e+00  
## ln\_Vd.1.3.7. -2.129e+00 -9.119e-01 -2.278e-01 4.865e-01 1.788e+00  
## ln\_Cbgd.1.3.8. -2.229e+00 -1.178e+00 -6.632e-01 -2.328e-01 6.955e-01  
## ln\_C\_0.1.3.8. -2.018e+00 -6.901e-01 -3.044e-02 6.496e-01 1.875e+00  
## ln\_DWI\_BW\_d.1.3.8. -2.341e+00 -1.357e+00 -8.861e-01 -4.171e-01 4.655e-01  
## ln\_k.1.3.8. -1.271e+00 -1.404e-01 4.796e-01 1.119e+00 2.392e+00  
## ln\_Vd.1.3.8. -1.787e+00 -4.970e-01 1.495e-01 8.188e-01 2.084e+00  
## ln\_Cbgd.1.3.9. -1.585e+00 4.099e-02 7.545e-01 1.374e+00 2.145e+00  
## ln\_C\_0.1.3.9. -2.012e+00 -7.243e-01 -5.711e-02 6.212e-01 1.904e+00  
## ln\_DWI\_BW\_d.1.3.9. -1.516e+00 1.580e-02 6.534e-01 1.206e+00 2.101e+00  
## ln\_k.1.3.9. -2.268e+00 -1.008e+00 -3.407e-01 3.200e-01 1.673e+00  
## ln\_Vd.1.3.9. -2.051e+00 -7.439e-01 -7.703e-02 6.029e-01 1.844e+00  
## ln\_Cbgd.1.3.10. -1.994e+00 -8.454e-01 -2.897e-01 2.215e-01 1.071e+00  
## ln\_C\_0.1.3.10. -1.986e+00 -6.827e-01 -1.213e-02 6.932e-01 2.000e+00  
## ln\_DWI\_BW\_d.1.3.10. -2.208e+00 -1.193e+00 -7.317e-01 -2.831e-01 5.974e-01  
## ln\_k.1.3.10. -1.482e+00 -3.162e-01 3.187e-01 9.640e-01 2.203e+00  
## ln\_Vd.1.3.10. -1.809e+00 -5.573e-01 1.096e-01 8.047e-01 2.057e+00  
## ln\_Cbgd.1.3.11. -1.294e+00 -1.736e-01 2.432e-01 5.920e-01 1.312e+00  
## ln\_C\_0.1.3.11. -1.990e+00 -6.889e-01 -1.516e-02 6.392e-01 1.902e+00  
## ln\_DWI\_BW\_d.1.3.11. -1.880e+00 -5.600e-01 1.533e-01 7.981e-01 1.941e+00  
## ln\_k.1.3.11. -2.050e+00 -6.943e-01 -5.612e-02 6.214e-01 1.934e+00  
## ln\_Vd.1.3.11. -1.927e+00 -7.025e-01 -1.343e-02 6.834e-01 1.968e+00  
## ln\_Cbgd.1.3.12. -1.100e+00 1.240e-01 5.635e-01 9.222e-01 1.583e+00  
## ln\_C\_0.1.3.12. -1.915e+00 -6.984e-01 2.361e-03 6.726e-01 1.908e+00  
## ln\_DWI\_BW\_d.1.3.12. -1.860e+00 -4.815e-01 2.087e-01 9.195e-01 2.067e+00  
## ln\_k.1.3.12. -2.034e+00 -7.784e-01 -7.273e-02 5.936e-01 1.846e+00  
## ln\_Vd.1.3.12. -1.923e+00 -6.634e-01 -3.907e-03 6.316e-01 1.894e+00  
## ln\_Cbgd.1.3.13. -2.922e+00 -2.039e+00 -1.598e+00 -1.170e+00 -1.516e-01  
## ln\_C\_0.1.3.13. -1.948e+00 -7.207e-01 -2.261e-02 6.798e-01 2.099e+00  
## ln\_DWI\_BW\_d.1.3.13. -2.865e+00 -1.866e+00 -1.388e+00 -9.250e-01 2.456e-02  
## ln\_k.1.3.13. -1.162e+00 4.040e-02 6.774e-01 1.280e+00 2.480e+00  
## ln\_Vd.1.3.13. -1.649e+00 -4.813e-01 1.915e-01 8.613e-01 2.126e+00  
## ln\_Cbgd.1.3.14. -1.731e+00 -4.324e-01 2.081e-01 7.602e-01 1.559e+00  
## ln\_C\_0.1.3.14. -1.975e+00 -6.677e-01 -1.377e-02 6.938e-01 2.004e+00  
## ln\_DWI\_BW\_d.1.3.14. -1.716e+00 -5.141e-01 6.404e-02 5.738e-01 1.448e+00  
## ln\_k.1.3.14. -1.882e+00 -6.585e-01 -1.807e-02 6.189e-01 1.844e+00  
## ln\_Vd.1.3.14. -1.949e+00 -6.585e-01 -3.105e-03 6.753e-01 1.929e+00  
## ln\_Cbgd.1.3.15. -1.869e+00 -5.952e-01 8.248e-02 7.481e-01 1.778e+00  
## ln\_C\_0.1.3.15. -2.022e+00 -6.431e-01 1.952e-03 6.646e-01 1.997e+00  
## ln\_DWI\_BW\_d.1.3.15. -1.506e+00 -5.178e-01 -8.074e-02 3.390e-01 1.125e+00  
## ln\_k.1.3.15. -1.710e+00 -5.714e-01 6.041e-02 6.723e-01 1.876e+00  
## ln\_Vd.1.3.15. -1.980e+00 -6.364e-01 1.442e-02 6.839e-01 1.897e+00  
## ln\_Cbgd.1.3.16. -1.921e+00 -1.011e+00 -6.309e-01 -2.609e-01 4.907e-01  
## ln\_C\_0.1.3.16. -1.994e+00 -6.768e-01 3.330e-02 6.639e-01 1.977e+00  
## ln\_DWI\_BW\_d.1.3.16. -2.004e+00 -7.853e-01 -1.899e-01 3.518e-01 1.352e+00  
## ln\_k.1.3.16. -1.797e+00 -5.424e-01 9.962e-02 7.380e-01 2.016e+00  
## ln\_Vd.1.3.16. -1.935e+00 -6.399e-01 2.216e-02 6.824e-01 1.970e+00  
## ln\_Cbgd.1.3.17. -2.544e+00 -1.643e+00 -1.232e+00 -8.098e-01 1.510e-01  
## ln\_C\_0.1.3.17. -1.976e+00 -6.945e-01 -2.633e-03 6.400e-01 1.954e+00  
## ln\_DWI\_BW\_d.1.3.17. -2.332e+00 -1.279e+00 -7.550e-01 -2.345e-01 7.174e-01  
## ln\_k.1.3.17. -1.434e+00 -2.761e-01 3.798e-01 1.020e+00 2.183e+00  
## ln\_Vd.1.3.17. -1.810e+00 -5.542e-01 1.015e-01 7.770e-01 2.041e+00  
## ln\_Cbgd.1.3.18. -5.714e-01 9.535e-01 1.459e+00 1.811e+00 2.435e+00  
## ln\_C\_0.1.3.18. -1.927e+00 -6.166e-01 5.559e-02 7.169e-01 2.005e+00  
## ln\_DWI\_BW\_d.1.3.18. -1.825e+00 -4.154e-01 4.094e-01 1.231e+00 2.601e+00  
## ln\_k.1.3.18. -2.278e+00 -9.165e-01 -2.091e-01 4.895e-01 1.767e+00  
## ln\_Vd.1.3.18. -1.980e+00 -7.475e-01 -6.699e-02 6.139e-01 1.838e+00  
## ln\_Cbgd.1.3.19. -1.826e+00 -5.695e-01 8.448e-02 7.371e-01 1.670e+00  
## ln\_C\_0.1.3.19. -1.951e+00 -6.821e-01 2.425e-02 7.042e-01 1.932e+00  
## ln\_DWI\_BW\_d.1.3.19. -1.635e+00 -6.035e-01 -1.492e-01 2.594e-01 1.080e+00  
## ln\_k.1.3.19. -1.745e+00 -5.234e-01 7.922e-02 7.071e-01 1.849e+00  
## ln\_Vd.1.3.19. -1.945e+00 -6.370e-01 4.241e-02 6.634e-01 2.007e+00  
## ln\_Cbgd.1.3.20. -1.915e+00 -5.709e-01 1.469e-01 8.447e-01 2.067e+00  
## ln\_C\_0.1.3.20. -1.920e+00 -6.695e-01 1.390e-02 7.094e-01 1.931e+00  
## ln\_DWI\_BW\_d.1.3.20. -9.228e-01 -8.010e-02 3.187e-01 7.206e-01 1.461e+00  
## ln\_k.1.3.20. -1.968e+00 -6.798e-01 -8.274e-02 5.288e-01 1.691e+00  
## ln\_Vd.1.3.20. -1.974e+00 -7.272e-01 -4.296e-02 6.067e-01 1.878e+00  
## ln\_Cbgd.1.3.21. -1.836e+00 -4.502e-01 2.584e-01 9.576e-01 2.116e+00  
## ln\_C\_0.1.3.21. -1.942e+00 -6.715e-01 8.727e-03 6.697e-01 1.928e+00  
## ln\_DWI\_BW\_d.1.3.21. -1.248e+00 -1.386e-01 3.204e-01 7.533e-01 1.551e+00  
## ln\_k.1.3.21. -1.905e+00 -7.867e-01 -1.881e-01 4.718e-01 1.654e+00  
## ln\_Vd.1.3.21. -1.999e+00 -6.825e-01 -1.505e-02 6.509e-01 1.903e+00  
## ln\_Cbgd.1.3.22. -1.641e+00 -2.402e-01 4.528e-01 1.084e+00 1.935e+00  
## ln\_C\_0.1.3.22. -1.963e+00 -6.549e-01 3.151e-02 6.417e-01 1.862e+00  
## ln\_DWI\_BW\_d.1.3.22. -1.421e+00 -6.366e-02 5.297e-01 1.061e+00 1.917e+00  
## ln\_k.1.3.22. -2.104e+00 -8.207e-01 -1.701e-01 4.681e-01 1.705e+00  
## ln\_Vd.1.3.22. -2.004e+00 -7.217e-01 -6.479e-02 6.190e-01 1.957e+00  
## ln\_Cbgd.1.3.23. -1.896e+00 -6.154e-01 1.045e-01 8.089e-01 1.998e+00  
## ln\_C\_0.1.3.23. -1.967e+00 -6.890e-01 3.149e-02 6.915e-01 1.905e+00  
## ln\_DWI\_BW\_d.1.3.23. -1.392e+00 -5.048e-01 -8.981e-02 3.085e-01 1.107e+00  
## ln\_k.1.3.23. -1.688e+00 -5.376e-01 8.348e-02 7.190e-01 1.868e+00  
## ln\_Vd.1.3.23. -1.916e+00 -6.617e-01 2.417e-02 6.864e-01 1.962e+00  
## ln\_Cbgd.1.3.24. -1.557e+00 -4.886e-01 -1.067e-01 2.531e-01 9.704e-01  
## ln\_C\_0.1.3.24. -2.053e+00 -6.628e-01 6.597e-03 7.109e-01 2.003e+00  
## ln\_DWI\_BW\_d.1.3.24. -1.837e+00 -5.941e-01 8.221e-02 6.952e-01 1.781e+00  
## ln\_k.1.3.24. -1.821e+00 -6.214e-01 2.416e-02 6.721e-01 1.974e+00  
## ln\_Vd.1.3.24. -1.932e+00 -6.773e-01 1.250e-02 6.723e-01 1.936e+00  
## ln\_Cbgd.1.3.25. -2.014e+00 -8.638e-01 -3.183e-01 1.997e-01 1.041e+00  
## ln\_C\_0.1.3.25. -1.949e+00 -6.247e-01 3.923e-02 6.913e-01 1.974e+00  
## ln\_DWI\_BW\_d.1.3.25. -2.275e+00 -1.252e+00 -7.811e-01 -2.822e-01 5.696e-01  
## ln\_k.1.3.25. -1.464e+00 -2.436e-01 3.858e-01 9.840e-01 2.152e+00  
## ln\_Vd.1.3.25. -1.746e+00 -5.363e-01 1.481e-01 8.115e-01 2.082e+00  
## ln\_Cbgd.1.3.26. -2.065e+00 -8.621e-01 -2.625e-01 2.956e-01 1.248e+00  
## ln\_C\_0.1.3.26. -2.003e+00 -6.836e-01 -2.545e-02 6.401e-01 1.962e+00  
## ln\_DWI\_BW\_d.1.3.26. -2.461e+00 -1.611e+00 -1.191e+00 -7.559e-01 1.021e-01  
## ln\_k.1.3.26. -1.237e+00 2.817e-02 6.715e-01 1.312e+00 2.397e+00  
## ln\_Vd.1.3.26. -1.741e+00 -4.952e-01 1.902e-01 8.593e-01 2.109e+00  
## ln\_Cbgd.1.3.27. -1.728e+00 -4.596e-01 1.404e-01 6.274e-01 1.380e+00  
## ln\_C\_0.1.3.27. -1.913e+00 -6.548e-01 4.769e-03 6.920e-01 2.048e+00  
## ln\_DWI\_BW\_d.1.3.27. -1.711e+00 -5.171e-01 4.133e-02 5.473e-01 1.452e+00  
## ln\_k.1.3.27. -1.794e+00 -5.954e-01 3.551e-02 6.883e-01 2.001e+00  
## ln\_Vd.1.3.27. -1.913e+00 -6.286e-01 4.614e-02 6.968e-01 1.900e+00  
## ln\_Cbgd.1.3.28. -2.433e+00 -1.498e+00 -1.059e+00 -6.282e-01 2.712e-01  
## ln\_C\_0.1.3.28. -2.016e+00 -6.488e-01 1.802e-02 6.998e-01 1.984e+00  
## ln\_DWI\_BW\_d.1.3.28. -2.396e+00 -1.330e+00 -8.541e-01 -3.717e-01 5.432e-01  
## ln\_k.1.3.28. -1.419e+00 -1.908e-01 4.457e-01 1.083e+00 2.286e+00  
## ln\_Vd.1.3.28. -1.798e+00 -5.169e-01 1.582e-01 8.090e-01 2.061e+00  
## ln\_Cbgd.1.3.29. -1.690e+00 -2.867e-01 5.180e-01 1.512e+00 2.898e+00  
## ln\_C\_0.1.3.29. -2.015e+00 -7.056e-01 -5.849e-03 6.429e-01 1.975e+00  
## ln\_DWI\_BW\_d.1.3.29. -9.617e-01 8.150e-01 1.362e+00 1.810e+00 2.584e+00  
## ln\_k.1.3.29. -2.461e+00 -1.284e+00 -6.444e-01 6.483e-04 1.245e+00  
## ln\_Vd.1.3.29. -2.133e+00 -8.827e-01 -1.943e-01 4.790e-01 1.717e+00  
## ln\_Cbgd.1.3.30. -1.879e+00 -6.175e-01 7.589e-02 7.130e-01 1.641e+00  
## ln\_C\_0.1.3.30. -1.933e+00 -6.659e-01 3.748e-02 6.603e-01 1.955e+00  
## ln\_DWI\_BW\_d.1.3.30. -1.644e+00 -6.483e-01 -2.194e-01 2.301e-01 9.854e-01  
## ln\_k.1.3.30. -1.678e+00 -4.990e-01 1.095e-01 7.140e-01 1.886e+00  
## ln\_Vd.1.3.30. -1.907e+00 -6.314e-01 3.237e-02 7.170e-01 2.040e+00  
## ln\_Cbgd.1.3.31. -1.883e+00 -5.940e-01 8.480e-02 7.129e-01 1.663e+00  
## ln\_C\_0.1.3.31. -1.865e+00 -6.681e-01 -3.580e-02 6.467e-01 1.871e+00  
## ln\_DWI\_BW\_d.1.3.31. -1.658e+00 -6.508e-01 -1.647e-01 2.668e-01 1.047e+00  
## ln\_k.1.3.31. -1.806e+00 -5.428e-01 9.623e-02 7.425e-01 1.889e+00  
## ln\_Vd.1.3.31. -1.930e+00 -6.439e-01 4.157e-02 7.269e-01 1.966e+00  
## ln\_Cbgd.1.3.32. -1.675e+00 -8.912e-02 7.343e-01 1.443e+00 2.313e+00  
## ln\_C\_0.1.3.32. -1.932e+00 -6.978e-01 -2.957e-03 6.859e-01 1.930e+00  
## ln\_DWI\_BW\_d.1.3.32. -1.352e+00 1.405e-01 7.601e-01 1.274e+00 2.152e+00  
## ln\_k.1.3.32. -2.130e+00 -9.824e-01 -3.401e-01 3.149e-01 1.621e+00  
## ln\_Vd.1.3.32. -1.995e+00 -7.728e-01 -1.051e-01 5.880e-01 1.858e+00  
## ln\_Cbgd.1.3.33. -1.718e+00 -5.317e-01 -3.776e-03 4.290e-01 1.180e+00  
## ln\_C\_0.1.3.33. -1.870e+00 -6.945e-01 -8.043e-03 6.650e-01 1.984e+00  
## ln\_DWI\_BW\_d.1.3.33. -1.892e+00 -6.041e-01 -3.856e-02 4.259e-01 1.330e+00  
## ln\_k.1.3.33. -1.795e+00 -5.838e-01 7.049e-02 7.246e-01 1.917e+00  
## ln\_Vd.1.3.33. -1.861e+00 -6.485e-01 1.440e-02 6.989e-01 2.040e+00  
## ln\_Cbgd.1.3.34. -1.905e+00 -7.578e-01 -2.089e-01 2.271e-01 1.031e+00  
## ln\_C\_0.1.3.34. -1.966e+00 -6.589e-01 4.059e-02 7.167e-01 1.933e+00  
## ln\_DWI\_BW\_d.1.3.34. -1.942e+00 -7.913e-01 -3.122e-01 1.816e-01 1.040e+00  
## ln\_k.1.3.34. -1.660e+00 -4.304e-01 1.964e-01 8.476e-01 2.010e+00  
## ln\_Vd.1.3.34. -1.891e+00 -6.304e-01 6.823e-02 7.104e-01 1.966e+00  
## ln\_Cbgd.1.3.35. -1.718e+00 -3.221e-01 3.326e-01 8.817e-01 1.700e+00  
## ln\_C\_0.1.3.35. -1.883e+00 -6.550e-01 9.684e-03 7.215e-01 1.995e+00  
## ln\_DWI\_BW\_d.1.3.35. -1.577e+00 -2.775e-01 2.974e-01 8.018e-01 1.593e+00  
## ln\_k.1.3.35. -1.910e+00 -7.564e-01 -9.857e-02 5.566e-01 1.790e+00  
## ln\_Vd.1.3.35. -1.991e+00 -7.371e-01 -4.638e-02 6.319e-01 1.937e+00  
## ln\_Cbgd.1.3.36. -1.815e+00 -5.042e-01 1.791e-01 8.225e-01 1.920e+00  
## ln\_C\_0.1.3.36. -1.987e+00 -6.476e-01 8.234e-03 6.827e-01 2.008e+00  
## ln\_DWI\_BW\_d.1.3.36. -1.396e+00 -4.457e-01 -3.045e-02 4.052e-01 1.223e+00  
## ln\_k.1.3.36. -1.771e+00 -6.484e-01 -3.277e-02 5.985e-01 1.817e+00  
## ln\_Vd.1.3.36. -1.884e+00 -6.362e-01 9.992e-03 6.425e-01 1.904e+00  
## ln\_Cbgd.1.3.37. -1.863e+00 -6.383e-01 4.961e-02 6.668e-01 1.616e+00  
## ln\_C\_0.1.3.37. -1.958e+00 -6.581e-01 -8.829e-03 6.471e-01 1.901e+00  
## ln\_DWI\_BW\_d.1.3.37. -1.762e+00 -7.958e-01 -3.142e-01 1.277e-01 9.707e-01  
## ln\_k.1.3.37. -1.624e+00 -4.632e-01 1.417e-01 7.893e-01 1.971e+00  
## ln\_Vd.1.3.37. -1.971e+00 -6.272e-01 1.058e-02 6.931e-01 1.994e+00  
## ln\_Cbgd.1.3.38. -1.144e+00 1.644e-02 4.217e-01 7.589e-01 1.412e+00  
## ln\_C\_0.1.3.38. -2.028e+00 -6.668e-01 -3.288e-02 6.551e-01 1.946e+00  
## ln\_DWI\_BW\_d.1.3.38. -1.917e+00 -5.424e-01 1.707e-01 8.070e-01 1.988e+00  
## ln\_k.1.3.38. -2.020e+00 -7.442e-01 -7.263e-02 5.768e-01 1.916e+00  
## ln\_Vd.1.3.38. -1.936e+00 -6.816e-01 -1.030e-02 6.597e-01 1.946e+00  
## ln\_Cbgd.1.3.39. -1.721e+00 -4.078e-01 2.216e-01 6.971e-01 1.460e+00  
## ln\_C\_0.1.3.39. -1.961e+00 -6.827e-01 -1.574e-02 7.019e-01 1.942e+00  
## ln\_DWI\_BW\_d.1.3.39. -1.753e+00 -5.022e-01 7.400e-02 6.110e-01 1.524e+00  
## ln\_k.1.3.39. -1.948e+00 -7.101e-01 -5.950e-02 6.161e-01 1.851e+00  
## ln\_Vd.1.3.39. -1.928e+00 -7.033e-01 -4.226e-03 6.792e-01 2.008e+00  
## ln\_Cbgd.1.3.40. -1.479e+00 -2.361e-01 3.313e-01 7.855e-01 1.522e+00  
## ln\_C\_0.1.3.40. -1.961e+00 -6.955e-01 -3.130e-02 6.441e-01 1.972e+00  
## ln\_DWI\_BW\_d.1.3.40. -1.719e+00 -3.923e-01 2.502e-01 8.262e-01 1.834e+00  
## ln\_k.1.3.40. -1.910e+00 -7.348e-01 -1.163e-01 5.511e-01 1.749e+00  
## ln\_Vd.1.3.40. -1.969e+00 -7.151e-01 -2.615e-02 6.491e-01 1.839e+00  
## ln\_Cbgd.1.3.41. -2.512e+00 -1.529e+00 -1.097e+00 -6.703e-01 2.236e-01  
## ln\_C\_0.1.3.41. -2.025e+00 -7.012e-01 -1.888e-02 6.253e-01 1.927e+00  
## ln\_DWI\_BW\_d.1.3.41. -2.340e+00 -1.314e+00 -7.862e-01 -2.895e-01 6.221e-01  
## ln\_k.1.3.41. -1.442e+00 -2.258e-01 4.076e-01 1.068e+00 2.264e+00  
## ln\_Vd.1.3.41. -1.848e+00 -5.896e-01 1.004e-01 7.593e-01 2.033e+00  
## ln\_Cbgd.1.3.42. -1.900e+00 -7.602e-01 -2.252e-01 2.945e-01 1.161e+00  
## ln\_C\_0.1.3.42. -1.955e+00 -6.773e-01 -1.490e-03 6.598e-01 1.945e+00  
## ln\_DWI\_BW\_d.1.3.42. -1.971e+00 -9.367e-01 -4.388e-01 1.503e-02 8.377e-01  
## ln\_k.1.3.42. -1.580e+00 -3.772e-01 2.400e-01 8.684e-01 2.129e+00  
## ln\_Vd.1.3.42. -1.920e+00 -6.119e-01 5.768e-02 7.401e-01 1.998e+00  
## ln\_Cbgd.1.3.43. -1.740e+00 -5.703e-01 -3.491e-02 3.921e-01 1.196e+00  
## ln\_C\_0.1.3.43. -1.942e+00 -6.742e-01 -3.452e-02 6.534e-01 1.911e+00  
## ln\_DWI\_BW\_d.1.3.43. -1.777e+00 -6.067e-01 -9.325e-02 4.621e-01 1.369e+00  
## ln\_k.1.3.43. -1.823e+00 -5.859e-01 2.404e-02 6.574e-01 1.956e+00  
## ln\_Vd.1.3.43. -1.905e+00 -6.454e-01 -3.028e-03 6.520e-01 1.924e+00  
## ln\_Cbgd.1.3.44. -7.556e-01 6.152e-01 1.095e+00 1.437e+00 2.043e+00  
## ln\_C\_0.1.3.44. -1.981e+00 -6.755e-01 -2.632e-02 6.411e-01 1.950e+00  
## ln\_DWI\_BW\_d.1.3.44. -1.743e+00 -3.782e-01 3.863e-01 1.141e+00 2.467e+00  
## ln\_k.1.3.44. -2.180e+00 -8.836e-01 -1.775e-01 4.928e-01 1.775e+00  
## ln\_Vd.1.3.44. -1.957e+00 -6.804e-01 -2.712e-02 6.277e-01 1.972e+00  
## ln\_Cbgd.1.3.45. -1.881e+00 -5.703e-01 6.807e-02 6.694e-01 1.643e+00  
## ln\_C\_0.1.3.45. -2.011e+00 -6.565e-01 -3.115e-02 6.461e-01 1.931e+00  
## ln\_DWI\_BW\_d.1.3.45. -1.738e+00 -6.565e-01 -1.848e-01 2.669e-01 1.111e+00  
## ln\_k.1.3.45. -1.691e+00 -5.273e-01 1.093e-01 7.521e-01 2.011e+00  
## ln\_Vd.1.3.45. -1.964e+00 -6.406e-01 2.755e-02 6.935e-01 2.056e+00  
## ln\_Cbgd.1.3.46. -1.814e+00 -5.830e-01 -1.343e-01 2.569e-01 9.720e-01  
## ln\_C\_0.1.3.46. -1.909e+00 -6.904e-01 -1.479e-02 6.229e-01 1.910e+00  
## ln\_DWI\_BW\_d.1.3.46. -1.942e+00 -6.807e-01 -7.198e-02 4.778e-01 1.381e+00  
## ln\_k.1.3.46. -1.824e+00 -5.420e-01 9.762e-02 7.519e-01 1.980e+00  
## ln\_Vd.1.3.46. -1.907e+00 -6.594e-01 2.437e-02 7.291e-01 1.980e+00  
## ln\_Cbgd.1.3.47. -1.570e+00 -4.953e-02 7.253e-01 1.415e+00 2.273e+00  
## ln\_C\_0.1.3.47. -1.967e+00 -7.069e-01 -2.468e-02 6.662e-01 2.015e+00  
## ln\_DWI\_BW\_d.1.3.47. -1.349e+00 9.227e-02 6.873e-01 1.243e+00 2.107e+00  
## ln\_k.1.3.47. -2.375e+00 -1.037e+00 -3.791e-01 2.936e-01 1.607e+00  
## ln\_Vd.1.3.47. -2.133e+00 -7.720e-01 -1.022e-01 5.623e-01 1.803e+00  
## ln\_Cbgd.1.3.48. -1.938e+00 -8.212e-01 -3.298e-01 1.190e-01 9.157e-01  
## ln\_C\_0.1.3.48. -1.967e+00 -6.992e-01 -2.700e-03 6.734e-01 1.938e+00  
## ln\_DWI\_BW\_d.1.3.48. -2.050e+00 -8.807e-01 -3.564e-01 1.162e-01 9.520e-01  
## ln\_k.1.3.48. -1.585e+00 -4.216e-01 2.011e-01 8.611e-01 2.038e+00  
## ln\_Vd.1.3.48. -1.849e+00 -6.153e-01 4.681e-02 7.134e-01 1.909e+00  
## ln\_Cbgd.1.3.49. -1.778e+00 -3.867e-01 1.849e-01 6.726e-01 1.485e+00  
## ln\_C\_0.1.3.49. -1.890e+00 -6.805e-01 -1.151e-02 6.752e-01 1.979e+00  
## ln\_DWI\_BW\_d.1.3.49. -1.651e+00 -4.863e-01 8.703e-02 5.738e-01 1.425e+00  
## ln\_k.1.3.49. -1.806e+00 -6.427e-01 -1.383e-02 6.270e-01 1.936e+00  
## ln\_Vd.1.3.49. -1.969e+00 -6.741e-01 2.112e-03 6.497e-01 1.937e+00  
## M\_ln\_Cbgd\_sc.1.4. -1.012e+00 -4.981e-01 -2.342e-01 3.927e-02 5.756e-01  
## M\_ln\_C\_0\_sc.1.4. -8.083e-01 -2.747e-01 -1.463e-02 2.548e-01 7.704e-01  
## ln\_Cbgd.1.4.1. -1.918e+00 -7.097e-01 -5.602e-02 6.223e-01 1.987e+00  
## ln\_C\_0.1.4.1. -1.902e+00 -6.824e-01 3.288e-02 7.035e-01 1.985e+00  
## ln\_DWI\_BW\_d.1.4.1. -1.969e+00 -6.880e-01 -7.629e-03 6.370e-01 1.942e+00  
## ln\_k.1.4.1. -1.935e+00 -6.629e-01 1.161e-02 6.797e-01 1.937e+00  
## ln\_Vd.1.4.1. -1.956e+00 -6.715e-01 1.085e-02 6.782e-01 1.979e+00  
## ln\_Cbgd.1.4.2. -1.961e+00 -7.012e-01 1.134e-02 7.025e-01 2.015e+00  
## ln\_C\_0.1.4.2. -1.959e+00 -6.684e-01 2.687e-02 7.443e-01 1.956e+00  
## ln\_DWI\_BW\_d.1.4.2. -1.944e+00 -6.804e-01 -4.813e-02 6.499e-01 1.947e+00  
## ln\_k.1.4.2. -1.993e+00 -6.993e-01 -3.242e-02 6.631e-01 1.916e+00  
## ln\_Vd.1.4.2. -2.053e+00 -7.020e-01 2.458e-03 6.575e-01 2.019e+00  
## ln\_Cbgd.1.4.3. -1.919e+00 -6.649e-01 1.763e-02 6.915e-01 1.949e+00  
## ln\_C\_0.1.4.3. -1.989e+00 -6.595e-01 -5.174e-03 6.755e-01 2.057e+00  
## ln\_DWI\_BW\_d.1.4.3. -2.006e+00 -6.992e-01 -1.224e-02 6.719e-01 1.932e+00  
## ln\_k.1.4.3. -2.009e+00 -7.143e-01 -3.315e-02 6.638e-01 1.939e+00  
## ln\_Vd.1.4.3. -1.949e+00 -6.466e-01 1.928e-02 7.008e-01 2.024e+00  
## ln\_Cbgd.1.4.4. -1.948e+00 -6.603e-01 -1.315e-02 6.404e-01 1.872e+00  
## ln\_C\_0.1.4.4. -1.956e+00 -6.854e-01 -4.258e-02 6.641e-01 1.937e+00  
## ln\_DWI\_BW\_d.1.4.4. -1.915e+00 -6.696e-01 1.107e-03 7.064e-01 1.950e+00  
## ln\_k.1.4.4. -2.019e+00 -6.810e-01 2.003e-02 6.966e-01 1.953e+00  
## ln\_Vd.1.4.4. -1.955e+00 -6.242e-01 8.422e-03 6.706e-01 1.964e+00  
## ln\_Cbgd.1.4.5. -1.921e+00 -6.447e-01 -9.195e-03 6.580e-01 1.921e+00  
## ln\_C\_0.1.4.5. -1.933e+00 -7.066e-01 -2.196e-02 6.720e-01 1.956e+00  
## ln\_DWI\_BW\_d.1.4.5. -1.969e+00 -6.141e-01 3.204e-02 7.023e-01 1.997e+00  
## ln\_k.1.4.5. -1.995e+00 -6.640e-01 3.844e-03 6.916e-01 1.938e+00  
## ln\_Vd.1.4.5. -1.889e+00 -6.341e-01 6.037e-03 6.773e-01 1.994e+00  
## ln\_Cbgd.1.4.6. -1.922e+00 -7.052e-01 -2.775e-02 6.392e-01 2.034e+00  
## ln\_C\_0.1.4.6. -1.957e+00 -7.031e-01 1.223e-02 6.654e-01 1.982e+00  
## ln\_DWI\_BW\_d.1.4.6. -1.858e+00 -7.018e-01 1.247e-03 6.804e-01 1.968e+00  
## ln\_k.1.4.6. -2.002e+00 -6.556e-01 5.325e-02 6.788e-01 1.943e+00  
## ln\_Vd.1.4.6. -1.906e+00 -6.628e-01 2.086e-02 7.070e-01 1.972e+00  
## ln\_Cbgd.1.4.7. -1.901e+00 -6.900e-01 -3.729e-02 6.717e-01 2.020e+00  
## ln\_C\_0.1.4.7. -1.928e+00 -6.915e-01 2.519e-03 6.834e-01 1.942e+00  
## ln\_DWI\_BW\_d.1.4.7. -2.012e+00 -7.046e-01 1.772e-02 7.007e-01 1.975e+00  
## ln\_k.1.4.7. -1.954e+00 -6.766e-01 1.477e-02 6.770e-01 1.955e+00  
## ln\_Vd.1.4.7. -2.022e+00 -6.960e-01 -1.254e-03 6.871e-01 1.971e+00  
## ln\_Cbgd.1.4.8. -1.938e+00 -6.861e-01 -9.861e-03 6.504e-01 1.973e+00  
## ln\_C\_0.1.4.8. -1.936e+00 -6.870e-01 -1.480e-02 6.743e-01 1.975e+00  
## ln\_DWI\_BW\_d.1.4.8. -1.898e+00 -6.328e-01 2.768e-02 6.958e-01 2.021e+00  
## ln\_k.1.4.8. -1.977e+00 -6.761e-01 -2.131e-02 6.424e-01 1.988e+00  
## ln\_Vd.1.4.8. -1.920e+00 -6.729e-01 1.867e-02 6.939e-01 2.039e+00  
## ln\_Cbgd.1.4.9. -1.937e+00 -7.060e-01 -2.831e-02 6.632e-01 1.982e+00  
## ln\_C\_0.1.4.9. -1.912e+00 -7.158e-01 -2.304e-02 6.101e-01 1.931e+00  
## ln\_DWI\_BW\_d.1.4.9. -1.972e+00 -6.848e-01 -2.574e-02 6.874e-01 1.932e+00  
## ln\_k.1.4.9. -1.913e+00 -6.667e-01 2.390e-02 6.708e-01 1.889e+00  
## ln\_Vd.1.4.9. -2.003e+00 -6.359e-01 2.115e-02 6.750e-01 1.958e+00  
## ln\_Cbgd.1.4.10. -1.918e+00 -6.426e-01 1.843e-02 6.823e-01 1.978e+00  
## ln\_C\_0.1.4.10. -1.984e+00 -6.692e-01 3.668e-02 6.839e-01 1.966e+00  
## ln\_DWI\_BW\_d.1.4.10. -1.981e+00 -7.019e-01 -1.647e-02 6.591e-01 1.944e+00  
## ln\_k.1.4.10. -2.018e+00 -6.764e-01 -5.690e-03 6.744e-01 1.979e+00  
## ln\_Vd.1.4.10. -2.024e+00 -6.781e-01 1.930e-02 7.010e-01 1.962e+00  
## ln\_Cbgd.1.4.11. -1.921e+00 -6.518e-01 1.319e-02 7.118e-01 1.977e+00  
## ln\_C\_0.1.4.11. -2.053e+00 -6.656e-01 1.562e-02 6.795e-01 2.027e+00  
## ln\_DWI\_BW\_d.1.4.11. -1.981e+00 -6.811e-01 -1.645e-03 6.945e-01 2.020e+00  
## ln\_k.1.4.11. -1.941e+00 -6.653e-01 4.284e-02 7.133e-01 2.062e+00  
## ln\_Vd.1.4.11. -1.935e+00 -6.856e-01 -6.306e-03 6.590e-01 1.981e+00  
## ln\_Cbgd.1.4.12. -1.901e+00 -6.929e-01 -2.675e-03 6.655e-01 2.062e+00  
## ln\_C\_0.1.4.12. -1.975e+00 -7.416e-01 -5.306e-02 6.689e-01 1.941e+00  
## ln\_DWI\_BW\_d.1.4.12. -1.966e+00 -6.927e-01 -2.283e-02 6.825e-01 1.993e+00  
## ln\_k.1.4.12. -1.854e+00 -6.324e-01 2.073e-02 6.721e-01 1.940e+00  
## ln\_Vd.1.4.12. -1.937e+00 -6.835e-01 -1.943e-02 6.732e-01 1.924e+00  
## ln\_Cbgd.1.4.13. -1.908e+00 -6.685e-01 -7.232e-03 6.833e-01 1.922e+00  
## ln\_C\_0.1.4.13. -1.929e+00 -6.736e-01 1.384e-03 6.903e-01 1.936e+00  
## ln\_DWI\_BW\_d.1.4.13. -1.914e+00 -6.226e-01 2.538e-02 6.925e-01 1.921e+00  
## ln\_k.1.4.13. -1.974e+00 -7.024e-01 -9.516e-03 6.710e-01 1.963e+00  
## ln\_Vd.1.4.13. -2.000e+00 -7.176e-01 -1.970e-02 6.645e-01 1.954e+00  
## ln\_Cbgd.1.4.14. -1.932e+00 -6.707e-01 2.419e-02 6.765e-01 2.007e+00  
## ln\_C\_0.1.4.14. -1.927e+00 -6.599e-01 -1.248e-02 6.704e-01 1.928e+00  
## ln\_DWI\_BW\_d.1.4.14. -1.901e+00 -6.661e-01 1.826e-02 6.748e-01 2.000e+00  
## ln\_k.1.4.14. -1.884e+00 -6.319e-01 -4.035e-03 6.663e-01 2.031e+00  
## ln\_Vd.1.4.14. -1.958e+00 -7.181e-01 -5.306e-02 6.461e-01 1.906e+00  
## ln\_Cbgd.1.4.15. -1.924e+00 -6.720e-01 3.951e-02 6.987e-01 1.972e+00  
## ln\_C\_0.1.4.15. -2.040e+00 -6.934e-01 -8.723e-03 6.883e-01 1.942e+00  
## ln\_DWI\_BW\_d.1.4.15. -1.931e+00 -7.179e-01 -4.526e-03 6.421e-01 1.973e+00  
## ln\_k.1.4.15. -1.959e+00 -6.691e-01 -1.296e-02 6.821e-01 1.937e+00  
## ln\_Vd.1.4.15. -1.983e+00 -6.969e-01 5.826e-03 6.907e-01 2.034e+00  
## ln\_Cbgd.1.4.16. -1.933e+00 -6.777e-01 -1.197e-02 6.659e-01 1.951e+00  
## ln\_C\_0.1.4.16. -1.945e+00 -6.501e-01 -3.149e-03 7.142e-01 1.943e+00  
## ln\_DWI\_BW\_d.1.4.16. -1.991e+00 -6.595e-01 -3.293e-04 6.923e-01 1.974e+00  
## ln\_k.1.4.16. -1.948e+00 -6.580e-01 2.582e-02 7.240e-01 1.832e+00  
## ln\_Vd.1.4.16. -1.995e+00 -7.029e-01 -8.147e-03 6.863e-01 1.943e+00  
## ln\_Cbgd.1.4.17. -1.913e+00 -6.824e-01 -1.050e-02 6.418e-01 1.978e+00  
## ln\_C\_0.1.4.17. -1.972e+00 -6.916e-01 -1.746e-02 6.329e-01 2.017e+00  
## ln\_DWI\_BW\_d.1.4.17. -2.013e+00 -6.534e-01 1.931e-02 6.965e-01 2.031e+00  
## ln\_k.1.4.17. -1.920e+00 -6.899e-01 6.076e-04 6.148e-01 2.006e+00  
## ln\_Vd.1.4.17. -1.932e+00 -6.752e-01 9.689e-03 6.722e-01 1.899e+00  
## ln\_Cbgd.1.4.18. -1.943e+00 -6.746e-01 -8.662e-03 6.934e-01 1.977e+00  
## ln\_C\_0.1.4.18. -1.954e+00 -7.038e-01 1.037e-02 7.120e-01 1.978e+00  
## ln\_DWI\_BW\_d.1.4.18. -1.937e+00 -6.695e-01 1.835e-02 6.952e-01 2.024e+00  
## ln\_k.1.4.18. -2.059e+00 -6.778e-01 -2.614e-02 6.791e-01 1.888e+00  
## ln\_Vd.1.4.18. -1.944e+00 -6.702e-01 3.126e-02 7.134e-01 1.979e+00  
## ln\_Cbgd.1.4.19. -1.937e+00 -6.759e-01 -1.916e-02 6.777e-01 1.967e+00  
## ln\_C\_0.1.4.19. -1.928e+00 -6.684e-01 -2.482e-03 7.177e-01 1.946e+00  
## ln\_DWI\_BW\_d.1.4.19. -1.946e+00 -7.120e-01 -3.153e-03 6.501e-01 1.944e+00  
## ln\_k.1.4.19. -1.967e+00 -6.574e-01 -8.369e-03 6.637e-01 1.941e+00  
## ln\_Vd.1.4.19. -2.134e+00 -6.920e-01 -4.732e-02 6.515e-01 2.020e+00  
## ln\_Cbgd.1.4.20. -1.974e+00 -7.119e-01 -6.012e-02 6.405e-01 1.881e+00  
## ln\_C\_0.1.4.20. -1.953e+00 -6.899e-01 -2.157e-02 6.583e-01 1.891e+00  
## ln\_DWI\_BW\_d.1.4.20. -2.010e+00 -6.675e-01 4.397e-03 6.850e-01 1.990e+00  
## ln\_k.1.4.20. -1.947e+00 -6.275e-01 3.480e-02 7.271e-01 1.983e+00  
## ln\_Vd.1.4.20. -1.986e+00 -6.427e-01 4.749e-02 7.054e-01 2.027e+00  
## ln\_Cbgd.1.4.21. -1.903e+00 -6.736e-01 -1.329e-02 6.720e-01 1.941e+00  
## ln\_C\_0.1.4.21. -1.928e+00 -6.779e-01 -1.288e-02 6.953e-01 1.975e+00  
## ln\_DWI\_BW\_d.1.4.21. -1.946e+00 -7.025e-01 -2.647e-02 6.328e-01 1.861e+00  
## ln\_k.1.4.21. -1.955e+00 -6.590e-01 -6.141e-03 6.434e-01 2.014e+00  
## ln\_Vd.1.4.21. -1.911e+00 -6.785e-01 1.926e-02 6.739e-01 1.996e+00  
## ln\_Cbgd.1.4.22. -1.997e+00 -6.645e-01 -1.358e-02 6.964e-01 1.966e+00  
## ln\_C\_0.1.4.22. -2.028e+00 -7.028e-01 -9.850e-03 7.047e-01 1.980e+00  
## ln\_DWI\_BW\_d.1.4.22. -1.947e+00 -6.956e-01 -1.797e-02 6.711e-01 1.956e+00  
## ln\_k.1.4.22. -1.971e+00 -6.748e-01 -1.305e-02 6.214e-01 1.919e+00  
## ln\_Vd.1.4.22. -1.997e+00 -6.600e-01 2.000e-02 6.772e-01 1.993e+00  
## ln\_Cbgd.1.4.23. -1.908e+00 -6.442e-01 1.259e-02 6.902e-01 1.907e+00  
## ln\_C\_0.1.4.23. -1.971e+00 -6.630e-01 4.787e-03 6.886e-01 2.023e+00  
## ln\_DWI\_BW\_d.1.4.23. -2.066e+00 -6.862e-01 -2.162e-02 6.609e-01 1.893e+00  
## ln\_k.1.4.23. -1.982e+00 -6.935e-01 -4.274e-02 6.773e-01 2.016e+00  
## ln\_Vd.1.4.23. -1.966e+00 -6.734e-01 5.033e-03 7.035e-01 1.947e+00  
## ln\_Cbgd.1.4.24. -1.988e+00 -6.912e-01 -9.298e-03 6.912e-01 1.977e+00  
## ln\_C\_0.1.4.24. -1.907e+00 -6.737e-01 3.311e-03 6.702e-01 1.988e+00  
## ln\_DWI\_BW\_d.1.4.24. -1.988e+00 -6.711e-01 -3.660e-04 6.604e-01 2.010e+00  
## ln\_k.1.4.24. -2.049e+00 -6.935e-01 1.327e-03 6.835e-01 2.014e+00  
## ln\_Vd.1.4.24. -1.917e+00 -6.821e-01 -2.373e-02 6.572e-01 1.947e+00  
## ln\_Cbgd.1.4.25. -1.957e+00 -6.856e-01 -1.166e-02 6.626e-01 1.943e+00  
## ln\_C\_0.1.4.25. -2.012e+00 -7.040e-01 -6.268e-03 6.825e-01 1.956e+00  
## ln\_DWI\_BW\_d.1.4.25. -1.956e+00 -6.906e-01 1.186e-02 6.892e-01 1.947e+00  
## ln\_k.1.4.25. -1.981e+00 -6.644e-01 -9.799e-03 6.231e-01 1.915e+00  
## ln\_Vd.1.4.25. -2.025e+00 -6.921e-01 1.438e-02 6.693e-01 1.957e+00  
## ln\_Cbgd.1.4.26. -1.961e+00 -6.523e-01 5.157e-03 6.729e-01 1.967e+00  
## ln\_C\_0.1.4.26. -1.889e+00 -6.861e-01 -2.904e-02 6.573e-01 1.935e+00  
## ln\_DWI\_BW\_d.1.4.26. -1.970e+00 -6.892e-01 1.617e-02 6.954e-01 1.912e+00  
## ln\_k.1.4.26. -1.962e+00 -6.680e-01 -8.236e-03 6.504e-01 1.944e+00  
## ln\_Vd.1.4.26. -2.043e+00 -6.770e-01 -1.177e-02 6.617e-01 1.916e+00  
## ln\_Cbgd.1.4.27. -1.935e+00 -6.355e-01 2.855e-02 6.883e-01 1.963e+00  
## ln\_C\_0.1.4.27. -1.921e+00 -6.835e-01 -7.642e-03 6.706e-01 2.002e+00  
## ln\_DWI\_BW\_d.1.4.27. -1.948e+00 -6.496e-01 -4.426e-03 6.433e-01 2.022e+00  
## ln\_k.1.4.27. -1.980e+00 -7.264e-01 -5.321e-02 6.622e-01 1.958e+00  
## ln\_Vd.1.4.27. -1.981e+00 -7.117e-01 -4.237e-02 6.742e-01 1.986e+00  
## ln\_Cbgd.1.4.28. -1.899e+00 -6.779e-01 -1.111e-02 6.911e-01 1.973e+00  
## ln\_C\_0.1.4.28. -1.959e+00 -6.433e-01 1.581e-02 6.757e-01 1.912e+00  
## ln\_DWI\_BW\_d.1.4.28. -2.033e+00 -6.692e-01 1.914e-02 7.087e-01 1.977e+00  
## ln\_k.1.4.28. -1.908e+00 -6.937e-01 -8.928e-04 6.549e-01 1.976e+00  
## ln\_Vd.1.4.28. -1.924e+00 -6.714e-01 1.053e-02 6.727e-01 1.948e+00  
## ln\_Cbgd.1.4.29. -1.916e+00 -6.255e-01 3.932e-02 7.063e-01 1.987e+00  
## ln\_C\_0.1.4.29. -1.909e+00 -6.505e-01 6.627e-03 6.645e-01 1.941e+00  
## ln\_DWI\_BW\_d.1.4.29. -1.971e+00 -7.034e-01 8.230e-03 6.706e-01 1.932e+00  
## ln\_k.1.4.29. -1.978e+00 -6.508e-01 1.169e-02 6.799e-01 1.984e+00  
## ln\_Vd.1.4.29. -1.988e+00 -6.893e-01 -6.767e-03 6.658e-01 1.971e+00  
## ln\_Cbgd.1.4.30. -1.952e+00 -6.795e-01 7.070e-03 7.241e-01 2.023e+00  
## ln\_C\_0.1.4.30. -1.964e+00 -6.495e-01 4.577e-02 7.034e-01 1.991e+00  
## ln\_DWI\_BW\_d.1.4.30. -2.030e+00 -6.883e-01 8.266e-03 6.987e-01 1.926e+00  
## ln\_k.1.4.30. -1.983e+00 -6.516e-01 1.085e-02 6.814e-01 1.917e+00  
## ln\_Vd.1.4.30. -1.929e+00 -6.743e-01 -2.464e-02 6.650e-01 1.983e+00  
## ln\_Cbgd.1.4.31. -1.947e+00 -6.953e-01 1.922e-03 6.749e-01 1.866e+00  
## ln\_C\_0.1.4.31. -1.988e+00 -6.942e-01 -3.125e-02 6.483e-01 1.839e+00  
## ln\_DWI\_BW\_d.1.4.31. -2.002e+00 -6.751e-01 -3.250e-02 6.678e-01 1.930e+00  
## ln\_k.1.4.31. -1.926e+00 -6.421e-01 3.042e-02 7.019e-01 1.999e+00  
## ln\_Vd.1.4.31. -1.933e+00 -6.376e-01 5.657e-03 6.890e-01 1.972e+00  
## ln\_Cbgd.1.4.32. -1.931e+00 -6.293e-01 1.084e-02 6.909e-01 1.923e+00  
## ln\_C\_0.1.4.32. -1.901e+00 -6.824e-01 -1.937e-02 6.530e-01 1.949e+00  
## ln\_DWI\_BW\_d.1.4.32. -2.021e+00 -6.910e-01 1.940e-04 6.949e-01 2.022e+00  
## ln\_k.1.4.32. -1.979e+00 -6.452e-01 4.003e-03 6.985e-01 1.993e+00  
## ln\_Vd.1.4.32. -1.976e+00 -6.832e-01 -1.941e-02 6.845e-01 2.080e+00  
## ln\_Cbgd.1.4.33. -1.971e+00 -6.823e-01 -3.822e-03 6.973e-01 2.006e+00  
## ln\_C\_0.1.4.33. -2.041e+00 -6.729e-01 1.507e-02 6.824e-01 2.027e+00  
## ln\_DWI\_BW\_d.1.4.33. -1.974e+00 -6.703e-01 1.269e-03 6.871e-01 1.859e+00  
## ln\_k.1.4.33. -1.988e+00 -6.684e-01 2.061e-03 6.556e-01 1.920e+00  
## ln\_Vd.1.4.33. -1.967e+00 -6.816e-01 1.454e-02 7.035e-01 1.959e+00  
## ln\_Cbgd.1.4.34. -1.931e+00 -6.698e-01 -7.535e-04 6.833e-01 1.952e+00  
## ln\_C\_0.1.4.34. -1.889e+00 -6.532e-01 5.930e-03 6.924e-01 1.982e+00  
## ln\_DWI\_BW\_d.1.4.34. -1.932e+00 -7.073e-01 -2.269e-02 6.541e-01 1.974e+00  
## ln\_k.1.4.34. -1.902e+00 -6.661e-01 1.976e-02 6.763e-01 1.908e+00  
## ln\_Vd.1.4.34. -1.961e+00 -6.575e-01 4.126e-04 6.741e-01 1.948e+00  
## ln\_Cbgd.1.4.35. -1.912e+00 -6.170e-01 3.235e-02 6.602e-01 1.984e+00  
## ln\_C\_0.1.4.35. -1.898e+00 -6.386e-01 2.770e-02 7.054e-01 1.922e+00  
## ln\_DWI\_BW\_d.1.4.35. -2.022e+00 -6.711e-01 -4.788e-04 6.533e-01 1.932e+00  
## ln\_k.1.4.35. -1.961e+00 -6.880e-01 1.259e-02 6.522e-01 1.915e+00  
## ln\_Vd.1.4.35. -1.889e+00 -6.852e-01 -3.315e-02 6.880e-01 2.007e+00  
## ln\_Cbgd.1.4.36. -1.949e+00 -6.864e-01 6.866e-03 6.922e-01 1.991e+00  
## ln\_C\_0.1.4.36. -1.984e+00 -6.633e-01 -8.032e-03 6.582e-01 1.913e+00  
## ln\_DWI\_BW\_d.1.4.36. -1.903e+00 -6.314e-01 3.968e-02 7.128e-01 1.963e+00  
## ln\_k.1.4.36. -1.949e+00 -6.885e-01 -2.274e-02 6.411e-01 1.987e+00  
## ln\_Vd.1.4.36. -1.982e+00 -6.713e-01 -2.108e-03 6.754e-01 1.951e+00  
## ln\_Cbgd.1.4.37. -1.980e+00 -6.713e-01 3.587e-03 6.896e-01 2.101e+00  
## ln\_C\_0.1.4.37. -1.957e+00 -6.952e-01 -1.001e-02 6.864e-01 1.966e+00  
## ln\_DWI\_BW\_d.1.4.37. -2.022e+00 -7.143e-01 -4.620e-03 6.872e-01 1.995e+00  
## ln\_k.1.4.37. -1.937e+00 -6.879e-01 1.650e-02 6.577e-01 1.892e+00  
## ln\_Vd.1.4.37. -1.971e+00 -6.621e-01 -1.480e-03 7.138e-01 1.942e+00  
## ln\_Cbgd.1.4.38. -1.963e+00 -6.886e-01 1.222e-02 6.851e-01 1.998e+00  
## ln\_C\_0.1.4.38. -1.931e+00 -6.976e-01 -1.803e-02 6.514e-01 2.001e+00  
## ln\_DWI\_BW\_d.1.4.38. -1.931e+00 -6.628e-01 2.949e-04 6.990e-01 2.028e+00  
## ln\_k.1.4.38. -1.882e+00 -6.867e-01 -4.008e-03 6.843e-01 1.956e+00  
## ln\_Vd.1.4.38. -1.984e+00 -6.920e-01 5.320e-04 6.637e-01 1.912e+00  
## ln\_Cbgd.1.4.39. -1.888e+00 -6.649e-01 2.549e-02 6.777e-01 1.963e+00  
## ln\_C\_0.1.4.39. -1.885e+00 -6.705e-01 -6.782e-03 6.595e-01 1.947e+00  
## ln\_DWI\_BW\_d.1.4.39. -1.977e+00 -7.151e-01 -3.572e-02 6.691e-01 1.897e+00  
## ln\_k.1.4.39. -1.950e+00 -6.768e-01 -1.294e-02 7.100e-01 1.998e+00  
## ln\_Vd.1.4.39. -1.892e+00 -6.865e-01 -1.600e-02 6.572e-01 1.972e+00  
## ln\_Cbgd.1.4.40. -1.950e+00 -6.836e-01 -1.681e-02 6.759e-01 1.986e+00  
## ln\_C\_0.1.4.40. -1.933e+00 -6.765e-01 2.474e-02 6.912e-01 2.005e+00  
## ln\_DWI\_BW\_d.1.4.40. -1.936e+00 -6.564e-01 -5.591e-04 6.559e-01 1.937e+00  
## ln\_k.1.4.40. -2.017e+00 -7.000e-01 -2.307e-02 6.356e-01 1.943e+00  
## ln\_Vd.1.4.40. -1.953e+00 -6.946e-01 -1.651e-02 6.500e-01 1.988e+00  
## ln\_Cbgd.1.4.41. -1.989e+00 -6.909e-01 -1.876e-02 6.467e-01 2.025e+00  
## ln\_C\_0.1.4.41. -1.983e+00 -7.066e-01 -1.554e-02 6.645e-01 1.969e+00  
## ln\_DWI\_BW\_d.1.4.41. -2.032e+00 -6.721e-01 2.126e-02 7.126e-01 2.041e+00  
## ln\_k.1.4.41. -1.934e+00 -6.554e-01 8.776e-03 6.738e-01 1.952e+00  
## ln\_Vd.1.4.41. -1.963e+00 -6.915e-01 -4.638e-03 6.715e-01 1.945e+00  
## ln\_Cbgd.1.4.42. -1.914e+00 -6.668e-01 2.744e-02 6.996e-01 1.993e+00  
## ln\_C\_0.1.4.42. -1.907e+00 -6.537e-01 4.534e-02 6.879e-01 1.875e+00  
## ln\_DWI\_BW\_d.1.4.42. -1.988e+00 -6.693e-01 2.405e-02 7.000e-01 1.906e+00  
## ln\_k.1.4.42. -1.890e+00 -6.693e-01 -4.629e-03 7.003e-01 2.075e+00  
## ln\_Vd.1.4.42. -1.910e+00 -6.815e-01 -1.130e-02 6.717e-01 1.941e+00  
## ln\_Cbgd.1.4.43. -1.950e+00 -6.832e-01 -5.074e-04 6.855e-01 2.008e+00  
## ln\_C\_0.1.4.43. -1.986e+00 -6.732e-01 6.956e-03 6.859e-01 1.916e+00  
## ln\_DWI\_BW\_d.1.4.43. -1.883e+00 -6.822e-01 -4.180e-03 6.900e-01 2.056e+00  
## ln\_k.1.4.43. -1.970e+00 -6.812e-01 4.797e-03 6.967e-01 1.948e+00  
## ln\_Vd.1.4.43. -1.931e+00 -7.187e-01 -5.196e-03 6.290e-01 1.941e+00  
## ln\_Cbgd.1.4.44. -1.935e+00 -6.318e-01 1.332e-02 7.056e-01 2.030e+00  
## ln\_C\_0.1.4.44. -2.010e+00 -6.885e-01 -1.051e-02 6.333e-01 1.923e+00  
## ln\_DWI\_BW\_d.1.4.44. -1.962e+00 -6.697e-01 1.258e-02 7.120e-01 2.029e+00  
## ln\_k.1.4.44. -1.929e+00 -6.696e-01 2.745e-03 6.846e-01 1.939e+00  
## ln\_Vd.1.4.44. -2.034e+00 -6.557e-01 4.295e-03 6.948e-01 1.965e+00  
## ln\_Cbgd.1.4.45. -1.907e+00 -6.479e-01 1.757e-02 6.861e-01 2.015e+00  
## ln\_C\_0.1.4.45. -1.937e+00 -6.736e-01 -6.085e-03 6.542e-01 1.965e+00  
## ln\_DWI\_BW\_d.1.4.45. -1.951e+00 -6.198e-01 1.690e-02 6.725e-01 1.964e+00  
## ln\_k.1.4.45. -1.980e+00 -6.978e-01 -8.979e-03 6.458e-01 1.973e+00  
## ln\_Vd.1.4.45. -2.007e+00 -6.551e-01 -5.610e-03 6.487e-01 1.909e+00  
## ln\_Cbgd.1.4.46. -1.935e+00 -6.443e-01 2.958e-02 6.845e-01 1.919e+00  
## ln\_C\_0.1.4.46. -1.973e+00 -6.787e-01 -3.112e-02 6.661e-01 1.946e+00  
## ln\_DWI\_BW\_d.1.4.46. -1.981e+00 -6.488e-01 1.684e-02 6.824e-01 1.937e+00  
## ln\_k.1.4.46. -1.925e+00 -6.427e-01 -2.097e-02 6.695e-01 1.956e+00  
## ln\_Vd.1.4.46. -1.905e+00 -6.641e-01 -1.402e-02 6.505e-01 1.910e+00  
## ln\_Cbgd.1.4.47. -1.942e+00 -6.900e-01 -4.567e-02 6.648e-01 1.939e+00  
## ln\_C\_0.1.4.47. -1.944e+00 -6.332e-01 1.665e-03 6.801e-01 1.925e+00  
## ln\_DWI\_BW\_d.1.4.47. -1.894e+00 -6.312e-01 2.439e-02 7.020e-01 1.946e+00  
## ln\_k.1.4.47. -1.955e+00 -6.840e-01 -1.923e-02 6.548e-01 1.940e+00  
## ln\_Vd.1.4.47. -2.016e+00 -6.998e-01 -2.820e-02 6.591e-01 1.955e+00  
## ln\_Cbgd.1.4.48. -2.016e+00 -6.899e-01 2.915e-03 6.865e-01 1.971e+00  
## ln\_C\_0.1.4.48. -1.930e+00 -6.901e-01 -2.390e-02 6.237e-01 1.989e+00  
## ln\_DWI\_BW\_d.1.4.48. -1.936e+00 -6.608e-01 1.925e-02 6.559e-01 1.979e+00  
## ln\_k.1.4.48. -1.948e+00 -6.595e-01 2.445e-02 6.938e-01 1.964e+00  
## ln\_Vd.1.4.48. -1.946e+00 -6.524e-01 4.412e-03 6.620e-01 1.952e+00  
## ln\_Cbgd.1.4.49. -2.027e+00 -6.704e-01 1.154e-03 6.410e-01 1.968e+00  
## ln\_C\_0.1.4.49. -1.958e+00 -7.068e-01 -4.419e-02 6.369e-01 1.976e+00  
## ln\_DWI\_BW\_d.1.4.49. -1.882e+00 -6.522e-01 -5.908e-03 7.177e-01 1.934e+00  
## ln\_k.1.4.49. -2.015e+00 -7.049e-01 5.485e-03 6.787e-01 1.932e+00  
## ln\_Vd.1.4.49. -1.937e+00 -6.564e-01 -2.049e-03 6.645e-01 1.930e+00  
## M\_ln\_Cbgd\_sc.1.5. -7.607e-01 -2.935e-01 -9.418e-02 7.350e-02 4.566e-01  
## M\_ln\_C\_0\_sc.1.5. -8.197e-01 -2.755e-01 2.231e-03 2.703e-01 8.439e-01  
## M\_ln\_Cbgd\_sc.1.6. -1.046e+00 -5.453e-01 -2.648e-01 1.939e-03 5.094e-01  
## M\_ln\_C\_0\_sc.1.6. -7.941e-01 -2.782e-01 -1.643e-02 2.602e-01 7.380e-01  
## M\_ln\_Cbgd\_sc.1.7. -1.027e+00 -5.086e-01 -2.341e-01 5.049e-02 5.749e-01  
## M\_ln\_C\_0\_sc.1.7. -7.894e-01 -2.769e-01 -4.317e-03 2.694e-01 7.795e-01  
## M\_ln\_Cbgd\_sc.1.8. -1.048e+00 -5.028e-01 -2.221e-01 5.749e-02 5.482e-01  
## M\_ln\_C\_0\_sc.1.8. -7.811e-01 -2.733e-01 1.134e-03 2.701e-01 7.895e-01  
## LnPrior -1.001e+03 -9.769e+02 -9.643e+02 -9.520e+02 -9.300e+02  
## LnData -3.317e+02 -3.106e+02 -2.970e+02 -2.786e+02 -2.401e+02  
## LnPosterior -1.309e+03 -1.277e+03 -1.260e+03 -1.240e+03 -1.200e+03

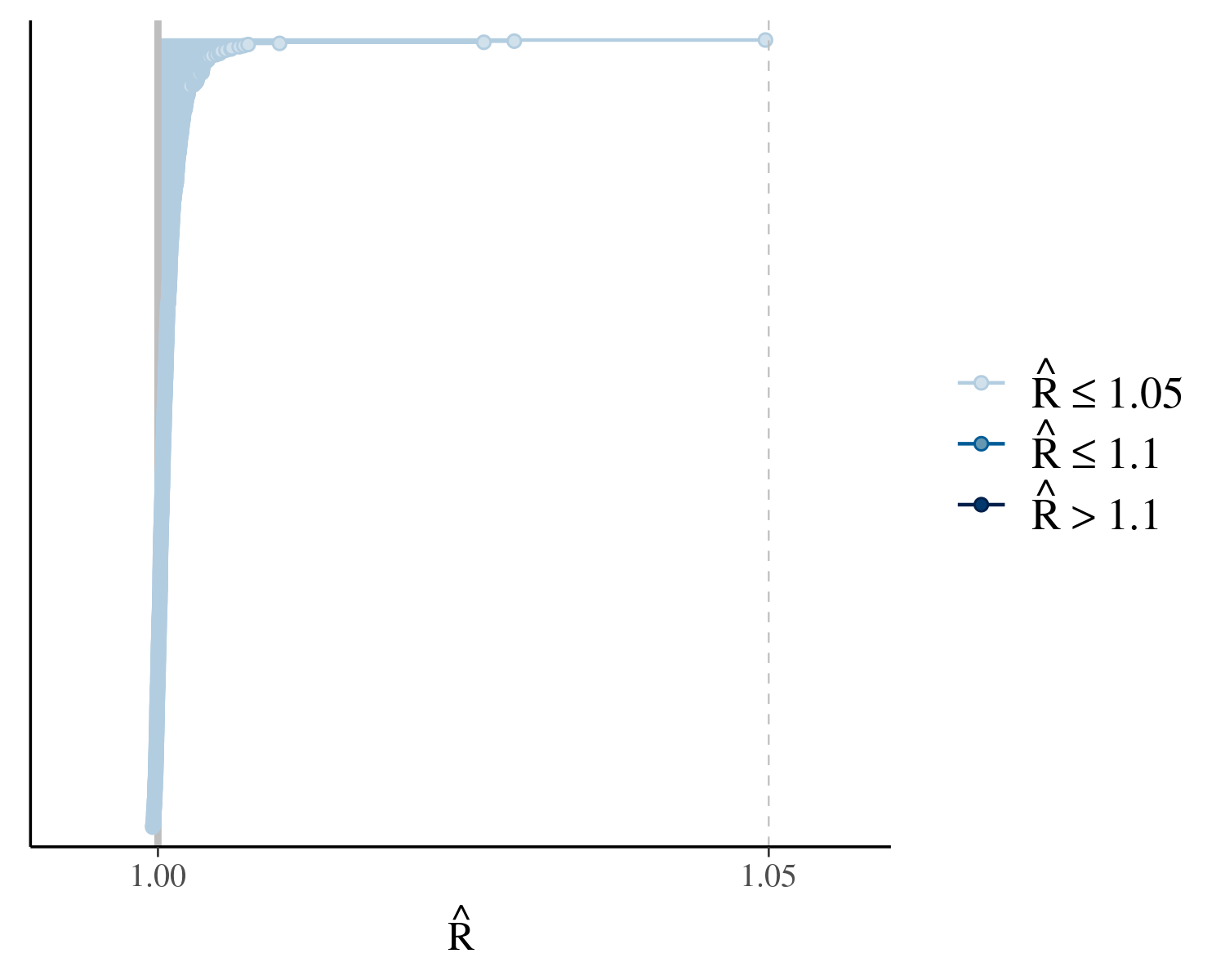
Checking convergence (require Rhat < 1.2) and posterior distributions. Samples already have burn-in discarded.

rhat <- gelman.diag(samps.mcmclist,multivariate=FALSE,autoburnin = FALSE)  
rhat.vec <- as.numeric(rhat$psrf[,1])  
names(rhat.vec) <- names(rhat$psrf[,1])  
print((as.matrix(rhat.vec)))

## [,1]  
## M\_ln\_k.1. 1.0099569  
## M\_ln\_Vd.1. 1.0055693  
## V\_ln\_k.1. 1.0026078  
## SD\_ln\_Vd.1. 1.0031658  
## GSD\_Cserum.1. 1.0019786  
## GSD\_Cbgd\_Css.1. 1.0291727  
## GSD\_M\_Cbgd\_Css.1. 1.0018435  
## M\_ln\_Cbgd\_sc.1.1. 1.0032578  
## M\_ln\_C\_0\_sc.1.1. 1.0044086  
## ln\_Cbgd.1.1.1. 1.0006248  
## ln\_C\_0.1.1.1. 1.0005863  
## ln\_DWI\_BW\_d.1.1.1. 1.0004571  
## ln\_k.1.1.1. 1.0033628  
## ln\_Vd.1.1.1. 1.0010668  
## ln\_Cbgd.1.1.2. 1.0006711  
## ln\_C\_0.1.1.2. 1.0002837  
## ln\_DWI\_BW\_d.1.1.2. 1.0011998  
## ln\_k.1.1.2. 1.0007975  
## ln\_Vd.1.1.2. 0.9998266  
## ln\_Cbgd.1.1.3. 1.0000386  
## ln\_C\_0.1.1.3. 1.0015647  
## ln\_DWI\_BW\_d.1.1.3. 0.9996401  
## ln\_k.1.1.3. 1.0060521  
## ln\_Vd.1.1.3. 1.0007429  
## ln\_Cbgd.1.1.4. 1.0023009  
## ln\_C\_0.1.1.4. 0.9998168  
## ln\_DWI\_BW\_d.1.1.4. 1.0012416  
## ln\_k.1.1.4. 1.0038045  
## ln\_Vd.1.1.4. 1.0002862  
## ln\_Cbgd.1.1.5. 1.0018223  
## ln\_C\_0.1.1.5. 1.0012474  
## ln\_DWI\_BW\_d.1.1.5. 1.0016604  
## ln\_k.1.1.5. 1.0036604  
## ln\_Vd.1.1.5. 1.0010588  
## ln\_Cbgd.1.1.6. 1.0016526  
## ln\_C\_0.1.1.6. 1.0012428  
## ln\_DWI\_BW\_d.1.1.6. 1.0018165  
## ln\_k.1.1.6. 1.0011617  
## ln\_Vd.1.1.6. 1.0029138  
## ln\_Cbgd.1.1.7. 1.0000822  
## ln\_C\_0.1.1.7. 1.0032932  
## ln\_DWI\_BW\_d.1.1.7. 0.9998357  
## ln\_k.1.1.7. 1.0047697  
## ln\_Vd.1.1.7. 1.0004770  
## ln\_Cbgd.1.1.8. 1.0006424  
## ln\_C\_0.1.1.8. 1.0006729  
## ln\_DWI\_BW\_d.1.1.8. 1.0005228  
## ln\_k.1.1.8. 1.0006592  
## ln\_Vd.1.1.8. 1.0000736  
## ln\_Cbgd.1.1.9. 1.0011885  
## ln\_C\_0.1.1.9. 1.0005289  
## ln\_DWI\_BW\_d.1.1.9. 1.0007279  
## ln\_k.1.1.9. 1.0022809  
## ln\_Vd.1.1.9. 1.0003221  
## ln\_Cbgd.1.1.10. 1.0005338  
## ln\_C\_0.1.1.10. 1.0006272  
## ln\_DWI\_BW\_d.1.1.10. 1.0007120  
## ln\_k.1.1.10. 1.0036814  
## ln\_Vd.1.1.10. 1.0004110  
## ln\_Cbgd.1.1.11. 1.0019198  
## ln\_C\_0.1.1.11. 1.0015596  
## ln\_DWI\_BW\_d.1.1.11. 1.0002030  
## ln\_k.1.1.11. 1.0020859  
## ln\_Vd.1.1.11. 1.0010985  
## ln\_Cbgd.1.1.12. 1.0036131  
## ln\_C\_0.1.1.12. 1.0004578  
## ln\_DWI\_BW\_d.1.1.12. 1.0039467  
## ln\_k.1.1.12. 1.0009320  
## ln\_Vd.1.1.12. 1.0005423  
## ln\_Cbgd.1.1.13. 1.0017243  
## ln\_C\_0.1.1.13. 1.0010841  
## ln\_DWI\_BW\_d.1.1.13. 1.0020788  
## ln\_k.1.1.13. 1.0023599  
## ln\_Vd.1.1.13. 0.9999463  
## ln\_Cbgd.1.1.14. 0.9997503  
## ln\_C\_0.1.1.14. 1.0006261  
## ln\_DWI\_BW\_d.1.1.14. 1.0006718  
## ln\_k.1.1.14. 1.0018896  
## ln\_Vd.1.1.14. 1.0003655  
## ln\_Cbgd.1.1.15. 1.0012527  
## ln\_C\_0.1.1.15. 1.0016564  
## ln\_DWI\_BW\_d.1.1.15. 1.0022361  
## ln\_k.1.1.15. 1.0016104  
## ln\_Vd.1.1.15. 1.0002023  
## ln\_Cbgd.1.1.16. 1.0015024  
## ln\_C\_0.1.1.16. 0.9999980  
## ln\_DWI\_BW\_d.1.1.16. 1.0005943  
## ln\_k.1.1.16. 1.0041893  
## ln\_Vd.1.1.16. 0.9999782  
## ln\_Cbgd.1.1.17. 1.0002691  
## ln\_C\_0.1.1.17. 1.0007360  
## ln\_DWI\_BW\_d.1.1.17. 1.0015299  
## ln\_k.1.1.17. 1.0025307  
## ln\_Vd.1.1.17. 1.0000177  
## ln\_Cbgd.1.1.18. 1.0015276  
## ln\_C\_0.1.1.18. 1.0041385  
## ln\_DWI\_BW\_d.1.1.18. 1.0013966  
## ln\_k.1.1.18. 1.0025076  
## ln\_Vd.1.1.18. 1.0011484  
## M\_ln\_Cbgd\_sc.1.2. 0.9999996  
## M\_ln\_C\_0\_sc.1.2. 0.9997168  
## ln\_Cbgd.1.2.1. 0.9998036  
## ln\_C\_0.1.2.1. 1.0001917  
## ln\_DWI\_BW\_d.1.2.1. 1.0004016  
## ln\_k.1.2.1. 1.0006581  
## ln\_Vd.1.2.1. 0.9998211  
## ln\_Cbgd.1.2.2. 0.9997180  
## ln\_C\_0.1.2.2. 1.0000467  
## ln\_DWI\_BW\_d.1.2.2. 1.0006532  
## ln\_k.1.2.2. 0.9998406  
## ln\_Vd.1.2.2. 1.0000931  
## ln\_Cbgd.1.2.3. 1.0013504  
## ln\_C\_0.1.2.3. 0.9997714  
## ln\_DWI\_BW\_d.1.2.3. 1.0006040  
## ln\_k.1.2.3. 0.9995850  
## ln\_Vd.1.2.3. 1.0002136  
## ln\_Cbgd.1.2.4. 1.0005777  
## ln\_C\_0.1.2.4. 1.0008791  
## ln\_DWI\_BW\_d.1.2.4. 1.0003809  
## ln\_k.1.2.4. 0.9998774  
## ln\_Vd.1.2.4. 1.0003472  
## ln\_Cbgd.1.2.5. 1.0002743  
## ln\_C\_0.1.2.5. 1.0002348  
## ln\_DWI\_BW\_d.1.2.5. 1.0006793  
## ln\_k.1.2.5. 1.0012405  
## ln\_Vd.1.2.5. 1.0001774  
## ln\_Cbgd.1.2.6. 1.0001534  
## ln\_C\_0.1.2.6. 0.9998913  
## ln\_DWI\_BW\_d.1.2.6. 1.0009753  
## ln\_k.1.2.6. 1.0008498  
## ln\_Vd.1.2.6. 1.0009973  
## ln\_Cbgd.1.2.7. 0.9997822  
## ln\_C\_0.1.2.7. 1.0006579  
## ln\_DWI\_BW\_d.1.2.7. 1.0003204  
## ln\_k.1.2.7. 1.0010093  
## ln\_Vd.1.2.7. 1.0003612  
## ln\_Cbgd.1.2.8. 1.0003466  
## ln\_C\_0.1.2.8. 1.0001726  
## ln\_DWI\_BW\_d.1.2.8. 0.9996993  
## ln\_k.1.2.8. 1.0004850  
## ln\_Vd.1.2.8. 0.9999503  
## ln\_Cbgd.1.2.9. 1.0000357  
## ln\_C\_0.1.2.9. 1.0000192  
## ln\_DWI\_BW\_d.1.2.9. 1.0001443  
## ln\_k.1.2.9. 1.0003093  
## ln\_Vd.1.2.9. 1.0004709  
## ln\_Cbgd.1.2.10. 1.0005010  
## ln\_C\_0.1.2.10. 1.0011527  
## ln\_DWI\_BW\_d.1.2.10. 1.0007888  
## ln\_k.1.2.10. 1.0000900  
## ln\_Vd.1.2.10. 1.0005131  
## ln\_Cbgd.1.2.11. 0.9999671  
## ln\_C\_0.1.2.11. 1.0007923  
## ln\_DWI\_BW\_d.1.2.11. 0.9997038  
## ln\_k.1.2.11. 0.9996848  
## ln\_Vd.1.2.11. 1.0004331  
## ln\_Cbgd.1.2.12. 1.0002576  
## ln\_C\_0.1.2.12. 1.0007277  
## ln\_DWI\_BW\_d.1.2.12. 0.9996628  
## ln\_k.1.2.12. 1.0008761  
## ln\_Vd.1.2.12. 0.9999521  
## ln\_Cbgd.1.2.13. 0.9999306  
## ln\_C\_0.1.2.13. 1.0003923  
## ln\_DWI\_BW\_d.1.2.13. 1.0002112  
## ln\_k.1.2.13. 1.0007170  
## ln\_Vd.1.2.13. 0.9998139  
## ln\_Cbgd.1.2.14. 0.9997911  
## ln\_C\_0.1.2.14. 0.9998874  
## ln\_DWI\_BW\_d.1.2.14. 0.9998800  
## ln\_k.1.2.14. 0.9998500  
## ln\_Vd.1.2.14. 1.0004726  
## ln\_Cbgd.1.2.15. 1.0006505  
## ln\_C\_0.1.2.15. 0.9999909  
## ln\_DWI\_BW\_d.1.2.15. 1.0001836  
## ln\_k.1.2.15. 0.9999190  
## ln\_Vd.1.2.15. 1.0001781  
## ln\_Cbgd.1.2.16. 1.0000536  
## ln\_C\_0.1.2.16. 1.0005112  
## ln\_DWI\_BW\_d.1.2.16. 1.0001831  
## ln\_k.1.2.16. 1.0004220  
## ln\_Vd.1.2.16. 1.0006917  
## ln\_Cbgd.1.2.17. 1.0005567  
## ln\_C\_0.1.2.17. 0.9998030  
## ln\_DWI\_BW\_d.1.2.17. 1.0002011  
## ln\_k.1.2.17. 1.0005569  
## ln\_Vd.1.2.17. 1.0006264  
## ln\_Cbgd.1.2.18. 0.9996603  
## ln\_C\_0.1.2.18. 1.0004446  
## ln\_DWI\_BW\_d.1.2.18. 1.0000959  
## ln\_k.1.2.18. 1.0001936  
## ln\_Vd.1.2.18. 1.0001336  
## ln\_Cbgd.1.2.19. 1.0005134  
## ln\_C\_0.1.2.19. 1.0001549  
## ln\_DWI\_BW\_d.1.2.19. 1.0002400  
## ln\_k.1.2.19. 1.0007221  
## ln\_Vd.1.2.19. 1.0001415  
## M\_ln\_Cbgd\_sc.1.3. 1.0024840  
## M\_ln\_C\_0\_sc.1.3. 1.0011624  
## ln\_Cbgd.1.3.1. 1.0002017  
## ln\_C\_0.1.3.1. 1.0004606  
## ln\_DWI\_BW\_d.1.3.1. 1.0018529  
## ln\_k.1.3.1. 0.9998504  
## ln\_Vd.1.3.1. 0.9995681  
## ln\_Cbgd.1.3.2. 1.0017515  
## ln\_C\_0.1.3.2. 0.9997806  
## ln\_DWI\_BW\_d.1.3.2. 1.0023278  
## ln\_k.1.3.2. 1.0001816  
## ln\_Vd.1.3.2. 1.0020465  
## ln\_Cbgd.1.3.3. 1.0006041  
## ln\_C\_0.1.3.3. 0.9997615  
## ln\_DWI\_BW\_d.1.3.3. 1.0036211  
## ln\_k.1.3.3. 1.0021569  
## ln\_Vd.1.3.3. 1.0009021  
## ln\_Cbgd.1.3.4. 1.0002040  
## ln\_C\_0.1.3.4. 0.9997428  
## ln\_DWI\_BW\_d.1.3.4. 1.0007583  
## ln\_k.1.3.4. 0.9999606  
## ln\_Vd.1.3.4. 1.0003633  
## ln\_Cbgd.1.3.5. 1.0004197  
## ln\_C\_0.1.3.5. 1.0001106  
## ln\_DWI\_BW\_d.1.3.5. 1.0015646  
## ln\_k.1.3.5. 1.0023581  
## ln\_Vd.1.3.5. 1.0005803  
## ln\_Cbgd.1.3.6. 1.0014595  
## ln\_C\_0.1.3.6. 0.9999208  
## ln\_DWI\_BW\_d.1.3.6. 1.0008839  
## ln\_k.1.3.6. 1.0010478  
## ln\_Vd.1.3.6. 1.0001796  
## ln\_Cbgd.1.3.7. 1.0003986  
## ln\_C\_0.1.3.7. 1.0000324  
## ln\_DWI\_BW\_d.1.3.7. 1.0032203  
## ln\_k.1.3.7. 1.0007606  
## ln\_Vd.1.3.7. 1.0007466  
## ln\_Cbgd.1.3.8. 1.0030873  
## ln\_C\_0.1.3.8. 1.0005631  
## ln\_DWI\_BW\_d.1.3.8. 1.0020645  
## ln\_k.1.3.8. 1.0005970  
## ln\_Vd.1.3.8. 1.0003324  
## ln\_Cbgd.1.3.9. 1.0009785  
## ln\_C\_0.1.3.9. 1.0017403  
## ln\_DWI\_BW\_d.1.3.9. 1.0019318  
## ln\_k.1.3.9. 1.0013391  
## ln\_Vd.1.3.9. 1.0000085  
## ln\_Cbgd.1.3.10. 1.0000835  
## ln\_C\_0.1.3.10. 0.9998206  
## ln\_DWI\_BW\_d.1.3.10. 1.0022446  
## ln\_k.1.3.10. 1.0013978  
## ln\_Vd.1.3.10. 1.0004006  
## ln\_Cbgd.1.3.11. 1.0033755  
## ln\_C\_0.1.3.11. 1.0002230  
## ln\_DWI\_BW\_d.1.3.11. 1.0022034  
## ln\_k.1.3.11. 1.0018728  
## ln\_Vd.1.3.11. 1.0000927  
## ln\_Cbgd.1.3.12. 1.0040819  
## ln\_C\_0.1.3.12. 1.0003738  
## ln\_DWI\_BW\_d.1.3.12. 1.0009618  
## ln\_k.1.3.12. 0.9999148  
## ln\_Vd.1.3.12. 1.0001956  
## ln\_Cbgd.1.3.13. 1.0073832  
## ln\_C\_0.1.3.13. 0.9999968  
## ln\_DWI\_BW\_d.1.3.13. 1.0032066  
## ln\_k.1.3.13. 1.0016325  
## ln\_Vd.1.3.13. 1.0009323  
## ln\_Cbgd.1.3.14. 1.0009363  
## ln\_C\_0.1.3.14. 1.0001752  
## ln\_DWI\_BW\_d.1.3.14. 1.0011738  
## ln\_k.1.3.14. 1.0008955  
## ln\_Vd.1.3.14. 1.0005661  
## ln\_Cbgd.1.3.15. 1.0015269  
## ln\_C\_0.1.3.15. 1.0010569  
## ln\_DWI\_BW\_d.1.3.15. 1.0017971  
## ln\_k.1.3.15. 1.0014999  
## ln\_Vd.1.3.15. 0.9996912  
## ln\_Cbgd.1.3.16. 1.0020643  
## ln\_C\_0.1.3.16. 1.0019720  
## ln\_DWI\_BW\_d.1.3.16. 1.0006796  
## ln\_k.1.3.16. 1.0003776  
## ln\_Vd.1.3.16. 0.9998584  
## ln\_Cbgd.1.3.17. 1.0036289  
## ln\_C\_0.1.3.17. 1.0000562  
## ln\_DWI\_BW\_d.1.3.17. 1.0019308  
## ln\_k.1.3.17. 1.0010901  
## ln\_Vd.1.3.17. 1.0002521  
## ln\_Cbgd.1.3.18. 1.0006003  
## ln\_C\_0.1.3.18. 1.0002678  
## ln\_DWI\_BW\_d.1.3.18. 0.9998286  
## ln\_k.1.3.18. 1.0009932  
## ln\_Vd.1.3.18. 1.0007500  
## ln\_Cbgd.1.3.19. 1.0006828  
## ln\_C\_0.1.3.19. 1.0002791  
## ln\_DWI\_BW\_d.1.3.19. 1.0004514  
## ln\_k.1.3.19. 0.9999314  
## ln\_Vd.1.3.19. 1.0011714  
## ln\_Cbgd.1.3.20. 1.0005485  
## ln\_C\_0.1.3.20. 1.0007005  
## ln\_DWI\_BW\_d.1.3.20. 1.0003145  
## ln\_k.1.3.20. 1.0006916  
## ln\_Vd.1.3.20. 1.0003318  
## ln\_Cbgd.1.3.21. 0.9997657  
## ln\_C\_0.1.3.21. 1.0011486  
## ln\_DWI\_BW\_d.1.3.21. 1.0001867  
## ln\_k.1.3.21. 1.0017549  
## ln\_Vd.1.3.21. 1.0010235  
## ln\_Cbgd.1.3.22. 1.0018109  
## ln\_C\_0.1.3.22. 1.0003673  
## ln\_DWI\_BW\_d.1.3.22. 1.0017827  
## ln\_k.1.3.22. 1.0011867  
## ln\_Vd.1.3.22. 1.0011167  
## ln\_Cbgd.1.3.23. 0.9999697  
## ln\_C\_0.1.3.23. 0.9997458  
## ln\_DWI\_BW\_d.1.3.23. 1.0011285  
## ln\_k.1.3.23. 1.0013228  
## ln\_Vd.1.3.23. 1.0009873  
## ln\_Cbgd.1.3.24. 1.0010320  
## ln\_C\_0.1.3.24. 0.9998705  
## ln\_DWI\_BW\_d.1.3.24. 0.9999214  
## ln\_k.1.3.24. 1.0006667  
## ln\_Vd.1.3.24. 1.0015006  
## ln\_Cbgd.1.3.25. 1.0002506  
## ln\_C\_0.1.3.25. 1.0008777  
## ln\_DWI\_BW\_d.1.3.25. 1.0066496  
## ln\_k.1.3.25. 1.0024533  
## ln\_Vd.1.3.25. 0.9997429  
## ln\_Cbgd.1.3.26. 1.0001599  
## ln\_C\_0.1.3.26. 1.0010375  
## ln\_DWI\_BW\_d.1.3.26. 1.0036620  
## ln\_k.1.3.26. 1.0000152  
## ln\_Vd.1.3.26. 1.0001396  
## ln\_Cbgd.1.3.27. 1.0016141  
## ln\_C\_0.1.3.27. 1.0004122  
## ln\_DWI\_BW\_d.1.3.27. 1.0006778  
## ln\_k.1.3.27. 0.9999961  
## ln\_Vd.1.3.27. 0.9998048  
## ln\_Cbgd.1.3.28. 1.0024742  
## ln\_C\_0.1.3.28. 1.0003100  
## ln\_DWI\_BW\_d.1.3.28. 1.0050337  
## ln\_k.1.3.28. 1.0000638  
## ln\_Vd.1.3.28. 1.0002157  
## ln\_Cbgd.1.3.29. 1.0029900  
## ln\_C\_0.1.3.29. 0.9999493  
## ln\_DWI\_BW\_d.1.3.29. 1.0059804  
## ln\_k.1.3.29. 1.0013701  
## ln\_Vd.1.3.29. 1.0000507  
## ln\_Cbgd.1.3.30. 1.0001853  
## ln\_C\_0.1.3.30. 1.0001991  
## ln\_DWI\_BW\_d.1.3.30. 1.0015212  
## ln\_k.1.3.30. 1.0016267  
## ln\_Vd.1.3.30. 1.0001560  
## ln\_Cbgd.1.3.31. 1.0006571  
## ln\_C\_0.1.3.31. 1.0002225  
## ln\_DWI\_BW\_d.1.3.31. 1.0006215  
## ln\_k.1.3.31. 0.9999028  
## ln\_Vd.1.3.31. 1.0007789  
## ln\_Cbgd.1.3.32. 1.0023923  
## ln\_C\_0.1.3.32. 1.0007703  
## ln\_DWI\_BW\_d.1.3.32. 1.0038398  
## ln\_k.1.3.32. 1.0007648  
## ln\_Vd.1.3.32. 0.9998797  
## ln\_Cbgd.1.3.33. 1.0000864  
## ln\_C\_0.1.3.33. 1.0001196  
## ln\_DWI\_BW\_d.1.3.33. 1.0000177  
## ln\_k.1.3.33. 1.0002487  
## ln\_Vd.1.3.33. 1.0017752  
## ln\_Cbgd.1.3.34. 1.0010142  
## ln\_C\_0.1.3.34. 1.0006751  
## ln\_DWI\_BW\_d.1.3.34. 1.0022536  
## ln\_k.1.3.34. 1.0013121  
## ln\_Vd.1.3.34. 1.0000772  
## ln\_Cbgd.1.3.35. 1.0031799  
## ln\_C\_0.1.3.35. 1.0016875  
## ln\_DWI\_BW\_d.1.3.35. 1.0002066  
## ln\_k.1.3.35. 1.0004170  
## ln\_Vd.1.3.35. 1.0020943  
## ln\_Cbgd.1.3.36. 1.0002260  
## ln\_C\_0.1.3.36. 1.0011574  
## ln\_DWI\_BW\_d.1.3.36. 1.0015015  
## ln\_k.1.3.36. 1.0011088  
## ln\_Vd.1.3.36. 1.0002224  
## ln\_Cbgd.1.3.37. 1.0005449  
## ln\_C\_0.1.3.37. 1.0008760  
## ln\_DWI\_BW\_d.1.3.37. 1.0051720  
## ln\_k.1.3.37. 1.0004455  
## ln\_Vd.1.3.37. 1.0011373  
## ln\_Cbgd.1.3.38. 1.0008003  
## ln\_C\_0.1.3.38. 0.9999940  
## ln\_DWI\_BW\_d.1.3.38. 1.0010307  
## ln\_k.1.3.38. 0.9998222  
## ln\_Vd.1.3.38. 1.0019233  
## ln\_Cbgd.1.3.39. 1.0020165  
## ln\_C\_0.1.3.39. 1.0004700  
## ln\_DWI\_BW\_d.1.3.39. 1.0037027  
## ln\_k.1.3.39. 1.0001593  
## ln\_Vd.1.3.39. 1.0003243  
## ln\_Cbgd.1.3.40. 1.0009648  
## ln\_C\_0.1.3.40. 0.9998956  
## ln\_DWI\_BW\_d.1.3.40. 1.0005318  
## ln\_k.1.3.40. 1.0004206  
## ln\_Vd.1.3.40. 1.0000550  
## ln\_Cbgd.1.3.41. 1.0051618  
## ln\_C\_0.1.3.41. 1.0003149  
## ln\_DWI\_BW\_d.1.3.41. 1.0009726  
## ln\_k.1.3.41. 1.0022235  
## ln\_Vd.1.3.41. 1.0010247  
## ln\_Cbgd.1.3.42. 1.0018284  
## ln\_C\_0.1.3.42. 1.0006011  
## ln\_DWI\_BW\_d.1.3.42. 1.0000055  
## ln\_k.1.3.42. 1.0003207  
## ln\_Vd.1.3.42. 1.0011914  
## ln\_Cbgd.1.3.43. 1.0002949  
## ln\_C\_0.1.3.43. 1.0007389  
## ln\_DWI\_BW\_d.1.3.43. 1.0009754  
## ln\_k.1.3.43. 1.0021281  
## ln\_Vd.1.3.43. 1.0007072  
## ln\_Cbgd.1.3.44. 1.0070347  
## ln\_C\_0.1.3.44. 0.9999180  
## ln\_DWI\_BW\_d.1.3.44. 1.0012373  
## ln\_k.1.3.44. 1.0009584  
## ln\_Vd.1.3.44. 1.0009456  
## ln\_Cbgd.1.3.45. 1.0006942  
## ln\_C\_0.1.3.45. 1.0004277  
## ln\_DWI\_BW\_d.1.3.45. 1.0012207  
## ln\_k.1.3.45. 1.0009710  
## ln\_Vd.1.3.45. 1.0000973  
## ln\_Cbgd.1.3.46. 1.0036263  
## ln\_C\_0.1.3.46. 0.9999856  
## ln\_DWI\_BW\_d.1.3.46. 1.0000683  
## ln\_k.1.3.46. 0.9999202  
## ln\_Vd.1.3.46. 0.9999562  
## ln\_Cbgd.1.3.47. 1.0009289  
## ln\_C\_0.1.3.47. 1.0005868  
## ln\_DWI\_BW\_d.1.3.47. 0.9999875  
## ln\_k.1.3.47. 1.0014742  
## ln\_Vd.1.3.47. 1.0000139  
## ln\_Cbgd.1.3.48. 1.0019825  
## ln\_C\_0.1.3.48. 1.0004809  
## ln\_DWI\_BW\_d.1.3.48. 1.0009563  
## ln\_k.1.3.48. 1.0022785  
## ln\_Vd.1.3.48. 0.9998405  
## ln\_Cbgd.1.3.49. 1.0015756  
## ln\_C\_0.1.3.49. 1.0001609  
## ln\_DWI\_BW\_d.1.3.49. 1.0019558  
## ln\_k.1.3.49. 1.0000491  
## ln\_Vd.1.3.49. 0.9999224  
## M\_ln\_Cbgd\_sc.1.4. 1.0011442  
## M\_ln\_C\_0\_sc.1.4. 1.0000508  
## ln\_Cbgd.1.4.1. 0.9999486  
## ln\_C\_0.1.4.1. 0.9997713  
## ln\_DWI\_BW\_d.1.4.1. 0.9999966  
## ln\_k.1.4.1. 1.0004883  
## ln\_Vd.1.4.1. 1.0007882  
## ln\_Cbgd.1.4.2. 1.0041027  
## ln\_C\_0.1.4.2. 0.9998974  
## ln\_DWI\_BW\_d.1.4.2. 1.0005035  
## ln\_k.1.4.2. 1.0006680  
## ln\_Vd.1.4.2. 1.0002995  
## ln\_Cbgd.1.4.3. 1.0009971  
## ln\_C\_0.1.4.3. 0.9999579  
## ln\_DWI\_BW\_d.1.4.3. 1.0010753  
## ln\_k.1.4.3. 1.0007900  
## ln\_Vd.1.4.3. 1.0002097  
## ln\_Cbgd.1.4.4. 1.0004394  
## ln\_C\_0.1.4.4. 1.0003793  
## ln\_DWI\_BW\_d.1.4.4. 1.0003156  
## ln\_k.1.4.4. 0.9999287  
## ln\_Vd.1.4.4. 1.0015301  
## ln\_Cbgd.1.4.5. 0.9999694  
## ln\_C\_0.1.4.5. 0.9998975  
## ln\_DWI\_BW\_d.1.4.5. 0.9996507  
## ln\_k.1.4.5. 1.0007744  
## ln\_Vd.1.4.5. 1.0000827  
## ln\_Cbgd.1.4.6. 1.0001041  
## ln\_C\_0.1.4.6. 0.9999221  
## ln\_DWI\_BW\_d.1.4.6. 1.0004951  
## ln\_k.1.4.6. 1.0006285  
## ln\_Vd.1.4.6. 1.0010869  
## ln\_Cbgd.1.4.7. 1.0002815  
## ln\_C\_0.1.4.7. 1.0009100  
## ln\_DWI\_BW\_d.1.4.7. 1.0001227  
## ln\_k.1.4.7. 0.9999264  
## ln\_Vd.1.4.7. 0.9999303  
## ln\_Cbgd.1.4.8. 1.0003832  
## ln\_C\_0.1.4.8. 1.0005835  
## ln\_DWI\_BW\_d.1.4.8. 1.0007208  
## ln\_k.1.4.8. 1.0010953  
## ln\_Vd.1.4.8. 1.0007345  
## ln\_Cbgd.1.4.9. 0.9998151  
## ln\_C\_0.1.4.9. 1.0003505  
## ln\_DWI\_BW\_d.1.4.9. 1.0005087  
## ln\_k.1.4.9. 1.0001995  
## ln\_Vd.1.4.9. 1.0024782  
## ln\_Cbgd.1.4.10. 0.9997340  
## ln\_C\_0.1.4.10. 0.9999367  
## ln\_DWI\_BW\_d.1.4.10. 1.0000557  
## ln\_k.1.4.10. 1.0008604  
## ln\_Vd.1.4.10. 1.0001868  
## ln\_Cbgd.1.4.11. 1.0006724  
## ln\_C\_0.1.4.11. 1.0006256  
## ln\_DWI\_BW\_d.1.4.11. 0.9999432  
## ln\_k.1.4.11. 1.0001568  
## ln\_Vd.1.4.11. 1.0002338  
## ln\_Cbgd.1.4.12. 1.0009539  
## ln\_C\_0.1.4.12. 1.0000348  
## ln\_DWI\_BW\_d.1.4.12. 1.0007973  
## ln\_k.1.4.12. 1.0003092  
## ln\_Vd.1.4.12. 1.0003421  
## ln\_Cbgd.1.4.13. 1.0000449  
## ln\_C\_0.1.4.13. 1.0013737  
## ln\_DWI\_BW\_d.1.4.13. 0.9995842  
## ln\_k.1.4.13. 0.9997427  
## ln\_Vd.1.4.13. 1.0000888  
## ln\_Cbgd.1.4.14. 1.0007009  
## ln\_C\_0.1.4.14. 1.0004127  
## ln\_DWI\_BW\_d.1.4.14. 1.0003689  
## ln\_k.1.4.14. 1.0001972  
## ln\_Vd.1.4.14. 1.0002373  
## ln\_Cbgd.1.4.15. 1.0001798  
## ln\_C\_0.1.4.15. 1.0020227  
## ln\_DWI\_BW\_d.1.4.15. 1.0003929  
## ln\_k.1.4.15. 1.0023284  
## ln\_Vd.1.4.15. 1.0004299  
## ln\_Cbgd.1.4.16. 0.9999253  
## ln\_C\_0.1.4.16. 1.0001275  
## ln\_DWI\_BW\_d.1.4.16. 1.0004089  
## ln\_k.1.4.16. 1.0000002  
## ln\_Vd.1.4.16. 1.0005866  
## ln\_Cbgd.1.4.17. 0.9997203  
## ln\_C\_0.1.4.17. 1.0002309  
## ln\_DWI\_BW\_d.1.4.17. 0.9998217  
## ln\_k.1.4.17. 1.0013651  
## ln\_Vd.1.4.17. 0.9998460  
## ln\_Cbgd.1.4.18. 0.9997358  
## ln\_C\_0.1.4.18. 0.9998322  
## ln\_DWI\_BW\_d.1.4.18. 1.0011161  
## ln\_k.1.4.18. 1.0002823  
## ln\_Vd.1.4.18. 1.0015991  
## ln\_Cbgd.1.4.19. 1.0002513  
## ln\_C\_0.1.4.19. 1.0003517  
## ln\_DWI\_BW\_d.1.4.19. 0.9998558  
## ln\_k.1.4.19. 1.0000739  
## ln\_Vd.1.4.19. 0.9996618  
## ln\_Cbgd.1.4.20. 1.0002596  
## ln\_C\_0.1.4.20. 1.0024502  
## ln\_DWI\_BW\_d.1.4.20. 1.0001532  
## ln\_k.1.4.20. 1.0012275  
## ln\_Vd.1.4.20. 1.0005352  
## ln\_Cbgd.1.4.21. 1.0000998  
## ln\_C\_0.1.4.21. 0.9996598  
## ln\_DWI\_BW\_d.1.4.21. 0.9998838  
## ln\_k.1.4.21. 1.0005824  
## ln\_Vd.1.4.21. 1.0011851  
## ln\_Cbgd.1.4.22. 0.9996121  
## ln\_C\_0.1.4.22. 1.0002330  
## ln\_DWI\_BW\_d.1.4.22. 1.0002417  
## ln\_k.1.4.22. 1.0001461  
## ln\_Vd.1.4.22. 1.0004980  
## ln\_Cbgd.1.4.23. 1.0003836  
## ln\_C\_0.1.4.23. 1.0006846  
## ln\_DWI\_BW\_d.1.4.23. 1.0004036  
## ln\_k.1.4.23. 1.0002150  
## ln\_Vd.1.4.23. 1.0002697  
## ln\_Cbgd.1.4.24. 1.0009065  
## ln\_C\_0.1.4.24. 1.0003406  
## ln\_DWI\_BW\_d.1.4.24. 0.9998648  
## ln\_k.1.4.24. 1.0009757  
## ln\_Vd.1.4.24. 1.0010341  
## ln\_Cbgd.1.4.25. 1.0012565  
## ln\_C\_0.1.4.25. 0.9997484  
## ln\_DWI\_BW\_d.1.4.25. 0.9998624  
## ln\_k.1.4.25. 1.0019626  
## ln\_Vd.1.4.25. 1.0001800  
## ln\_Cbgd.1.4.26. 1.0010292  
## ln\_C\_0.1.4.26. 1.0003713  
## ln\_DWI\_BW\_d.1.4.26. 1.0001310  
## ln\_k.1.4.26. 1.0008551  
## ln\_Vd.1.4.26. 1.0004504  
## ln\_Cbgd.1.4.27. 0.9998626  
## ln\_C\_0.1.4.27. 1.0013709  
## ln\_DWI\_BW\_d.1.4.27. 1.0007134  
## ln\_k.1.4.27. 1.0001879  
## ln\_Vd.1.4.27. 1.0009452  
## ln\_Cbgd.1.4.28. 1.0004865  
## ln\_C\_0.1.4.28. 0.9999114  
## ln\_DWI\_BW\_d.1.4.28. 1.0000031  
## ln\_k.1.4.28. 0.9997829  
## ln\_Vd.1.4.28. 1.0004381  
## ln\_Cbgd.1.4.29. 1.0009673  
## ln\_C\_0.1.4.29. 1.0004960  
## ln\_DWI\_BW\_d.1.4.29. 1.0007676  
## ln\_k.1.4.29. 1.0000249  
## ln\_Vd.1.4.29. 1.0006076  
## ln\_Cbgd.1.4.30. 1.0001159  
## ln\_C\_0.1.4.30. 0.9996428  
## ln\_DWI\_BW\_d.1.4.30. 1.0005513  
## ln\_k.1.4.30. 1.0000273  
## ln\_Vd.1.4.30. 1.0007246  
## ln\_Cbgd.1.4.31. 1.0003315  
## ln\_C\_0.1.4.31. 1.0000964  
## ln\_DWI\_BW\_d.1.4.31. 0.9999634  
## ln\_k.1.4.31. 1.0012073  
## ln\_Vd.1.4.31. 1.0004916  
## ln\_Cbgd.1.4.32. 1.0001740  
## ln\_C\_0.1.4.32. 1.0005246  
## ln\_DWI\_BW\_d.1.4.32. 1.0000833  
## ln\_k.1.4.32. 0.9996780  
## ln\_Vd.1.4.32. 0.9999203  
## ln\_Cbgd.1.4.33. 1.0003808  
## ln\_C\_0.1.4.33. 1.0007531  
## ln\_DWI\_BW\_d.1.4.33. 1.0013064  
## ln\_k.1.4.33. 1.0000650  
## ln\_Vd.1.4.33. 0.9998816  
## ln\_Cbgd.1.4.34. 1.0002977  
## ln\_C\_0.1.4.34. 1.0004427  
## ln\_DWI\_BW\_d.1.4.34. 0.9996973  
## ln\_k.1.4.34. 0.9998503  
## ln\_Vd.1.4.34. 1.0004954  
## ln\_Cbgd.1.4.35. 1.0006392  
## ln\_C\_0.1.4.35. 1.0016953  
## ln\_DWI\_BW\_d.1.4.35. 1.0008738  
## ln\_k.1.4.35. 1.0015606  
## ln\_Vd.1.4.35. 1.0003145  
## ln\_Cbgd.1.4.36. 0.9998976  
## ln\_C\_0.1.4.36. 1.0015873  
## ln\_DWI\_BW\_d.1.4.36. 1.0020907  
## ln\_k.1.4.36. 0.9996309  
## ln\_Vd.1.4.36. 1.0003359  
## ln\_Cbgd.1.4.37. 1.0004289  
## ln\_C\_0.1.4.37. 1.0016223  
## ln\_DWI\_BW\_d.1.4.37. 0.9998688  
## ln\_k.1.4.37. 0.9998981  
## ln\_Vd.1.4.37. 1.0000126  
## ln\_Cbgd.1.4.38. 1.0009008  
## ln\_C\_0.1.4.38. 0.9997986  
## ln\_DWI\_BW\_d.1.4.38. 1.0008701  
## ln\_k.1.4.38. 1.0001881  
## ln\_Vd.1.4.38. 1.0005355  
## ln\_Cbgd.1.4.39. 0.9999050  
## ln\_C\_0.1.4.39. 0.9998103  
## ln\_DWI\_BW\_d.1.4.39. 1.0002068  
## ln\_k.1.4.39. 0.9996597  
## ln\_Vd.1.4.39. 1.0004940  
## ln\_Cbgd.1.4.40. 0.9996108  
## ln\_C\_0.1.4.40. 1.0008362  
## ln\_DWI\_BW\_d.1.4.40. 1.0011816  
## ln\_k.1.4.40. 1.0000136  
## ln\_Vd.1.4.40. 0.9997687  
## ln\_Cbgd.1.4.41. 1.0001497  
## ln\_C\_0.1.4.41. 1.0017561  
## ln\_DWI\_BW\_d.1.4.41. 1.0001792  
## ln\_k.1.4.41. 1.0000309  
## ln\_Vd.1.4.41. 1.0001305  
## ln\_Cbgd.1.4.42. 0.9999163  
## ln\_C\_0.1.4.42. 0.9998664  
## ln\_DWI\_BW\_d.1.4.42. 1.0002320  
## ln\_k.1.4.42. 1.0009521  
## ln\_Vd.1.4.42. 0.9998690  
## ln\_Cbgd.1.4.43. 1.0003599  
## ln\_C\_0.1.4.43. 1.0009742  
## ln\_DWI\_BW\_d.1.4.43. 0.9998890  
## ln\_k.1.4.43. 1.0000317  
## ln\_Vd.1.4.43. 1.0013205  
## ln\_Cbgd.1.4.44. 0.9997580  
## ln\_C\_0.1.4.44. 0.9997181  
## ln\_DWI\_BW\_d.1.4.44. 1.0000149  
## ln\_k.1.4.44. 1.0007218  
## ln\_Vd.1.4.44. 1.0012642  
## ln\_Cbgd.1.4.45. 1.0017394  
## ln\_C\_0.1.4.45. 0.9996469  
## ln\_DWI\_BW\_d.1.4.45. 1.0019072  
## ln\_k.1.4.45. 0.9998343  
## ln\_Vd.1.4.45. 1.0002780  
## ln\_Cbgd.1.4.46. 1.0004107  
## ln\_C\_0.1.4.46. 1.0002599  
## ln\_DWI\_BW\_d.1.4.46. 1.0009844  
## ln\_k.1.4.46. 1.0008140  
## ln\_Vd.1.4.46. 1.0001887  
## ln\_Cbgd.1.4.47. 1.0002608  
## ln\_C\_0.1.4.47. 0.9998439  
## ln\_DWI\_BW\_d.1.4.47. 1.0004432  
## ln\_k.1.4.47. 1.0007408  
## ln\_Vd.1.4.47. 1.0007570  
## ln\_Cbgd.1.4.48. 0.9998807  
## ln\_C\_0.1.4.48. 1.0000274  
## ln\_DWI\_BW\_d.1.4.48. 1.0001608  
## ln\_k.1.4.48. 1.0000979  
## ln\_Vd.1.4.48. 0.9999411  
## ln\_Cbgd.1.4.49. 1.0012262  
## ln\_C\_0.1.4.49. 1.0001853  
## ln\_DWI\_BW\_d.1.4.49. 1.0001532  
## ln\_k.1.4.49. 1.0003637  
## ln\_Vd.1.4.49. 1.0006196  
## M\_ln\_Cbgd\_sc.1.5. 1.0016055  
## M\_ln\_C\_0\_sc.1.5. 1.0014429  
## M\_ln\_Cbgd\_sc.1.6. 0.9999069  
## M\_ln\_C\_0\_sc.1.6. 1.0025083  
## M\_ln\_Cbgd\_sc.1.7. 1.0003970  
## M\_ln\_C\_0\_sc.1.7. 1.0003374  
## M\_ln\_Cbgd\_sc.1.8. 1.0009277  
## M\_ln\_C\_0\_sc.1.8. 1.0001406  
## LnPrior 1.0005198  
## LnData 1.0497327  
## LnPosterior 1.0266778

mcmc\_rhat(rhat.vec,pars=names(rhat.vec))

## Warning: The following arguments were unrecognized and ignored: pars



## ─ Session info ───────────────────────────────────────────────────────────────  
## setting value   
## version R version 3.6.1 (2019-07-05)   
## os Red Hat Enterprise Linux Server 7.9 (Maipo)  
## system x86\_64, linux-gnu   
## ui X11   
## language (EN)   
## collate en\_US.UTF-8   
## ctype en\_US.UTF-8   
## tz America/New\_York   
## date 2021-03-02   
##   
## ─ Packages ───────────────────────────────────────────────────────────────────  
## package \* version date lib source   
## assertthat 0.2.1 2019-03-21 [2] CRAN (R 3.6.1)  
## backports 1.1.5 2019-10-02 [2] CRAN (R 3.6.1)  
## bayesplot \* 1.7.0 2019-05-23 [2] CRAN (R 3.6.1)  
## broom 0.5.2 2019-04-07 [2] CRAN (R 3.6.1)  
## callr 3.3.2 2019-09-22 [2] CRAN (R 3.6.1)  
## cellranger 1.1.0 2016-07-27 [2] CRAN (R 3.6.1)  
## cli 1.1.0 2019-03-19 [2] CRAN (R 3.6.1)  
## coda \* 0.19-3 2019-07-05 [2] CRAN (R 3.6.1)  
## colorspace 1.4-1 2019-03-18 [2] CRAN (R 3.6.1)  
## crayon 1.3.4 2017-09-16 [2] CRAN (R 3.6.1)  
## DBI 1.0.0 2018-05-02 [2] CRAN (R 3.6.1)  
## dbplyr 1.4.2 2019-06-17 [2] CRAN (R 3.6.1)  
## desc 1.2.0 2018-05-01 [2] CRAN (R 3.6.1)  
## devtools 2.2.1 2019-09-24 [2] CRAN (R 3.6.1)  
## digest 0.6.23 2019-11-23 [2] CRAN (R 3.6.1)  
## dplyr \* 0.8.3 2019-07-04 [2] CRAN (R 3.6.1)  
## ellipsis 0.3.0 2019-09-20 [2] CRAN (R 3.6.1)  
## evaluate 0.14 2019-05-28 [2] CRAN (R 3.6.1)  
## farver 2.0.1 2019-11-13 [2] CRAN (R 3.6.1)  
## forcats \* 0.4.0 2019-02-17 [2] CRAN (R 3.6.1)  
## fs 1.3.1 2019-05-06 [2] CRAN (R 3.6.1)  
## generics 0.0.2 2018-11-29 [2] CRAN (R 3.6.1)  
## ggplot2 \* 3.2.1 2019-08-10 [2] CRAN (R 3.6.1)  
## ggridges 0.5.1 2018-09-27 [2] CRAN (R 3.6.1)  
## glue 1.3.1 2019-03-12 [2] CRAN (R 3.6.1)  
## gtable 0.3.0 2019-03-25 [2] CRAN (R 3.6.1)  
## haven 2.2.0 2019-11-08 [2] CRAN (R 3.6.1)  
## here \* 0.1 2017-05-28 [2] CRAN (R 3.6.1)  
## hms 0.5.2 2019-10-30 [2] CRAN (R 3.6.1)  
## htmltools 0.4.0 2019-10-04 [2] CRAN (R 3.6.1)  
## httr 1.4.1 2019-08-05 [2] CRAN (R 3.6.1)  
## jsonlite 1.6 2018-12-07 [2] CRAN (R 3.6.1)  
## knitr 1.26 2019-11-12 [2] CRAN (R 3.6.1)  
## lattice 0.20-38 2018-11-04 [2] CRAN (R 3.6.1)  
## lazyeval 0.2.2 2019-03-15 [2] CRAN (R 3.6.1)  
## lifecycle 0.1.0 2019-08-01 [2] CRAN (R 3.6.1)  
## lubridate 1.7.4 2018-04-11 [2] CRAN (R 3.6.1)  
## magrittr 1.5 2014-11-22 [2] CRAN (R 3.6.1)  
## memoise 1.1.0 2017-04-21 [2] CRAN (R 3.6.1)  
## modelr 0.1.5 2019-08-08 [2] CRAN (R 3.6.1)  
## munsell 0.5.0 2018-06-12 [2] CRAN (R 3.6.1)  
## nlme 3.1-142 2019-11-07 [2] CRAN (R 3.6.1)  
## pillar 1.4.2 2019-06-29 [2] CRAN (R 3.6.1)  
## pkgbuild 1.0.6 2019-10-09 [2] CRAN (R 3.6.1)  
## pkgconfig 2.0.3 2019-09-22 [2] CRAN (R 3.6.1)  
## pkgload 1.0.2 2018-10-29 [2] CRAN (R 3.6.1)  
## plyr 1.8.4 2016-06-08 [2] CRAN (R 3.6.1)  
## prettyunits 1.0.2 2015-07-13 [2] CRAN (R 3.6.1)  
## processx 3.4.1 2019-07-18 [2] CRAN (R 3.6.1)  
## ps 1.3.0 2018-12-21 [2] CRAN (R 3.6.1)  
## purrr \* 0.3.3 2019-10-18 [2] CRAN (R 3.6.1)  
## R6 2.4.1 2019-11-12 [2] CRAN (R 3.6.1)  
## Rcpp 1.0.3 2019-11-08 [2] CRAN (R 3.6.1)  
## readr \* 1.3.1 2018-12-21 [2] CRAN (R 3.6.1)  
## readxl 1.3.1 2019-03-13 [2] CRAN (R 3.6.1)  
## remotes 2.1.0 2019-06-24 [2] CRAN (R 3.6.1)  
## reprex 0.3.0 2019-05-16 [2] CRAN (R 3.6.1)  
## reshape2 \* 1.4.3 2017-12-11 [2] CRAN (R 3.6.1)  
## rlang 0.4.2 2019-11-23 [2] CRAN (R 3.6.1)  
## rmarkdown 1.18 2019-11-27 [2] CRAN (R 3.6.1)  
## rprojroot 1.3-2 2018-01-03 [2] CRAN (R 3.6.1)  
## rstudioapi 0.10 2019-03-19 [2] CRAN (R 3.6.1)  
## rvest 0.3.5 2019-11-08 [2] CRAN (R 3.6.1)  
## scales 1.1.0 2019-11-18 [2] CRAN (R 3.6.1)  
## sessioninfo 1.1.1 2018-11-05 [2] CRAN (R 3.6.1)  
## stringi 1.4.3 2019-03-12 [2] CRAN (R 3.6.1)  
## stringr \* 1.4.0 2019-02-10 [2] CRAN (R 3.6.1)  
## testthat 2.3.0 2019-11-05 [2] CRAN (R 3.6.1)  
## tibble \* 2.1.3 2019-06-06 [2] CRAN (R 3.6.1)  
## tidyr \* 1.0.0 2019-09-11 [2] CRAN (R 3.6.1)  
## tidyselect 0.2.5 2018-10-11 [2] CRAN (R 3.6.1)  
## tidyverse \* 1.3.0 2019-11-21 [2] CRAN (R 3.6.1)  
## usethis 1.5.1 2019-07-04 [2] CRAN (R 3.6.1)  
## vctrs 0.2.0 2019-07-05 [2] CRAN (R 3.6.1)  
## withr 2.1.2 2018-03-15 [2] CRAN (R 3.6.1)  
## xfun 0.11 2019-11-12 [2] CRAN (R 3.6.1)  
## xml2 1.2.2 2019-08-09 [2] CRAN (R 3.6.1)  
## yaml 2.2.0 2018-07-25 [2] CRAN (R 3.6.1)  
## zeallot 0.1.0 2018-01-28 [2] CRAN (R 3.6.1)  
##   
## [1] /home/ad.abt.local/wchiu/R/library  
## [2] /opt/R/3.6.1/lib64/R/library