Gamma inference

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Sample

```
## [1] "../outputs_up/wbugs_it10K_th3_n1000_un100_s3820.RData"
```

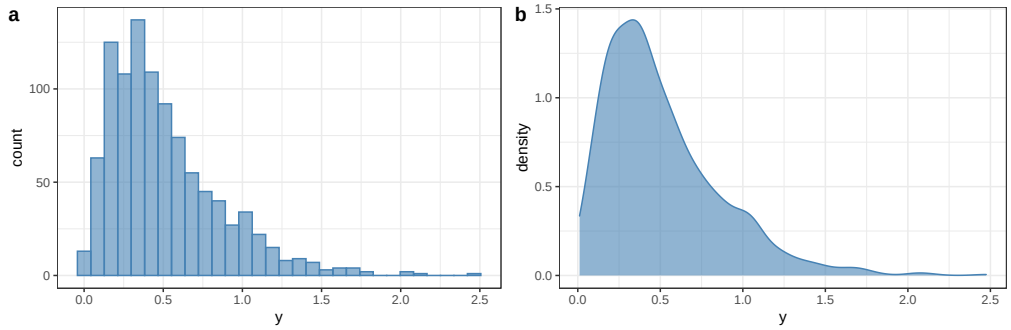

Figure 1: Histogram and density plot.

Gibbs parameters

alpha	beta	N sample	Chains	Thinning	Iterations	Adaptation	Final iter. no
2	4	1000	3	3	10000	10	3000

`a`, `b`, `m`, `mo` and `v` are the α and β parameters, the mean, the mode and the variance respectively.

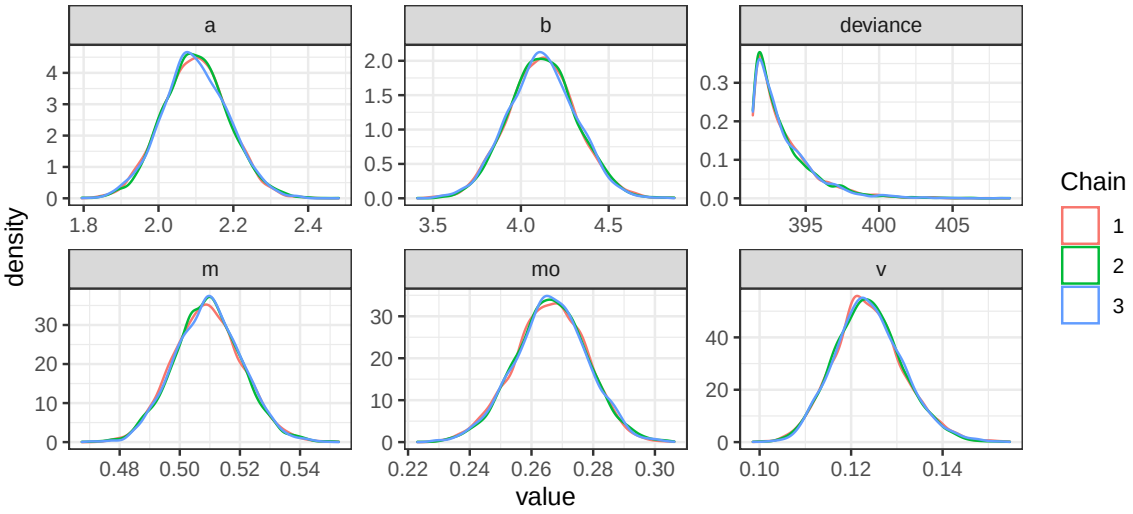

Figure 2: Posterior distributions densities for each parameter and in colors we show the chains.

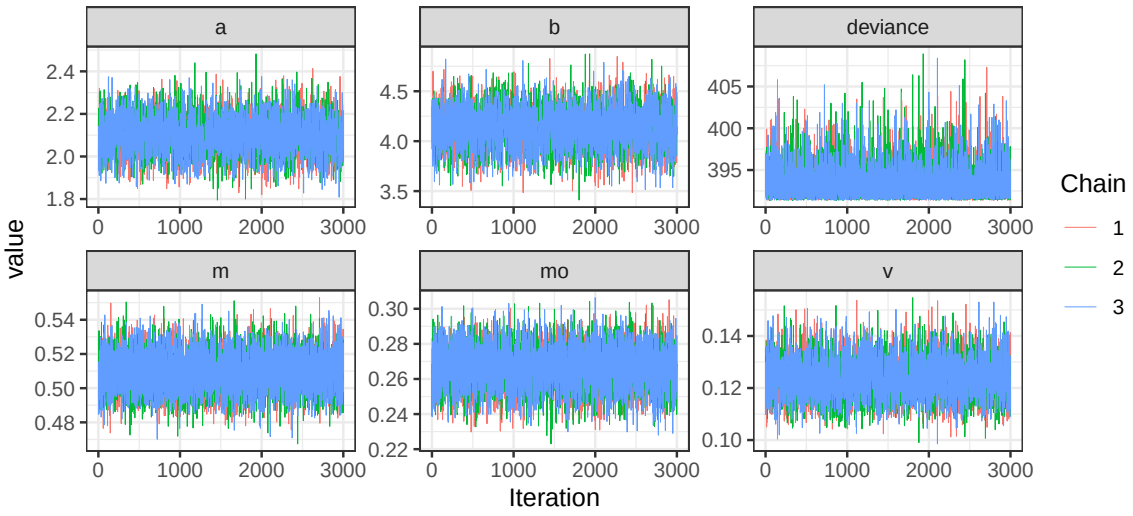

Figure 3: Traceplots for each parameter, in colors we show the chains.

Table 1: Summary statistics of the parameters posterior distributions.

	Mean	SD	R	Effective size
a	2.099	0.087	1	3285.493
b	4.123	0.194	1	3247.101
m	0.509	0.011	1	8862.026
v	0.124	0.008	1	3955.773
mo	0.266	0.012	1	4911.942
deviance	393.421	2.022	1	6519.510

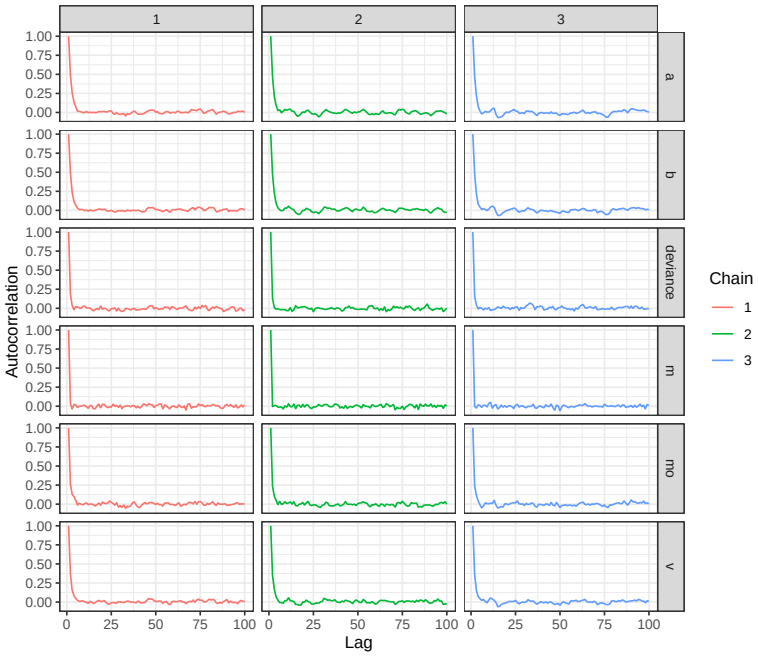

Figure 4: Autocorrelations vs lag.

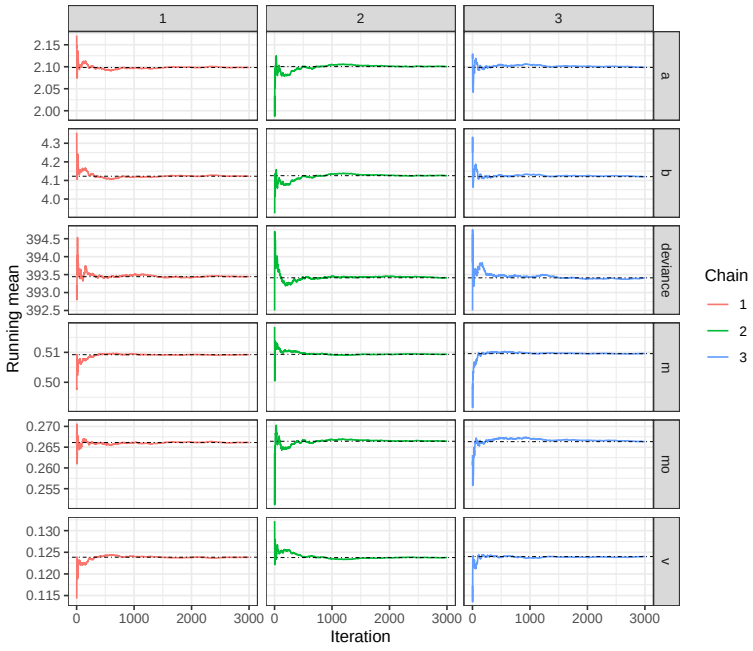

Figure 5: Estimates of the mean for each parameter and tranformations.

ML estimation

```
##       shape        rate
##   2.0948962   4.1130478
##  (0.0872574) (0.1934562)
```