Gamma inference

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Sample

```
## [1] "../outputs_up/wbugs_it10K_th3_n100_un100_s3820.RData"
```

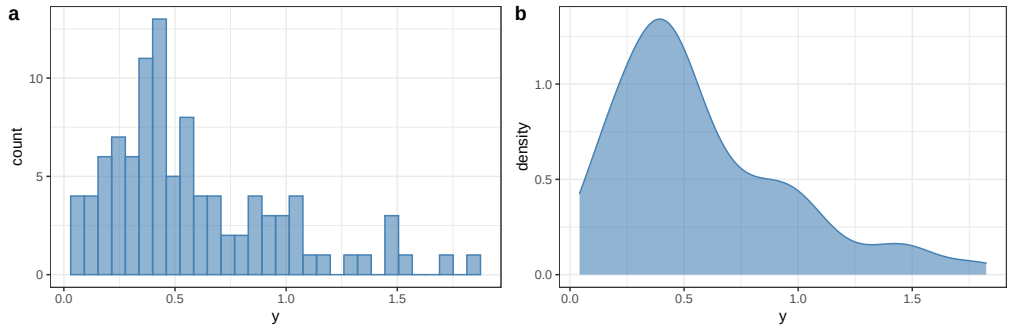

Figure 1: Histogram and density plot.

Gibbs parameters

alpha	beta	N sample	Chains	Thinning	Iterations	Adaptation	Final iter. no
2	4	100	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.

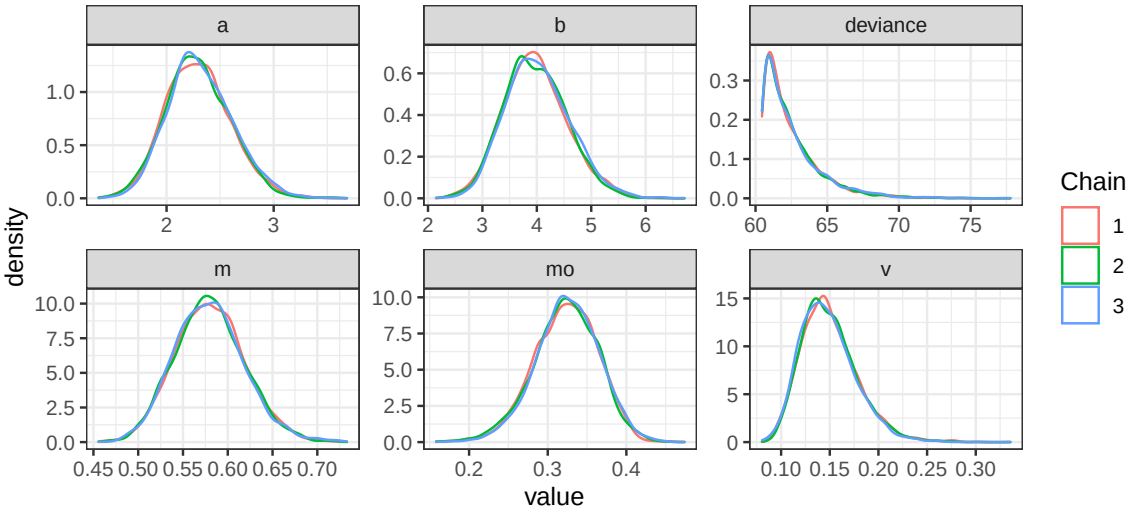

Figure 2: Posterior distributions densities for each parameter and in colors we show the chains.

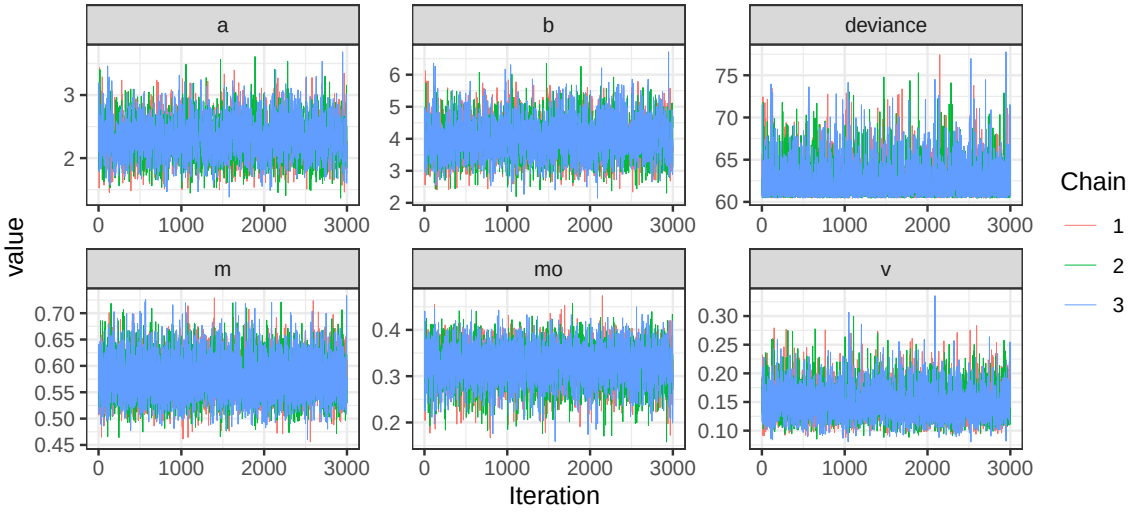

Figure 3: Traceplots for each parameter, in colors we show the chains.

Table 1: Summary statistics of the parameters posterior distributions.

	Mean	SD	R	Effective size
a	2.302	0.303	1.005	3024.488
b	3.988	0.584	1.005	2990.738
m	0.580	0.039	1.001	10014.178
v	0.149	0.029	1.004	4094.316
mo	0.324	0.041	1.002	4594.301
deviance	62.485	2.025	1.004	6140.265

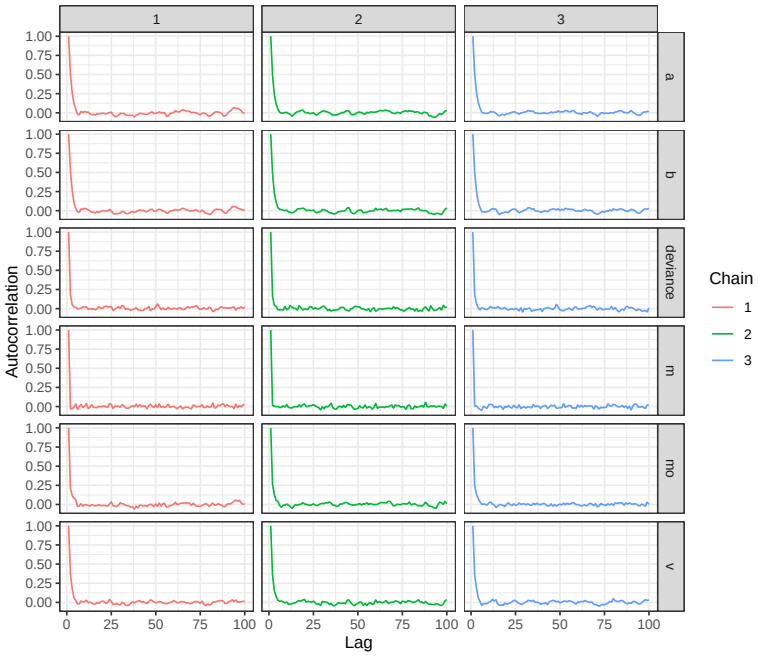

Figure 4: Autocorrelations vs lag.

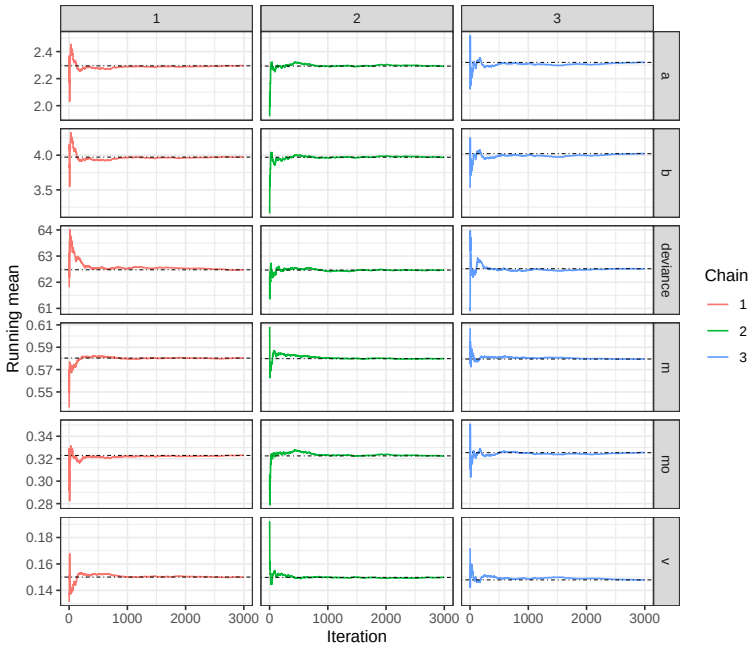

Figure 5: Estimates of the mean for each parameter and tranformations.

ML estimation

```
##       shape        rate
##   2.2494757   3.8836506
##  (0.2975600) (0.5752965)
```