Gamma inference

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Sample

```
## [1] "../outputs_up/jags_gaprior_it10K_th3_n1000_un100_s3820.RData"
```

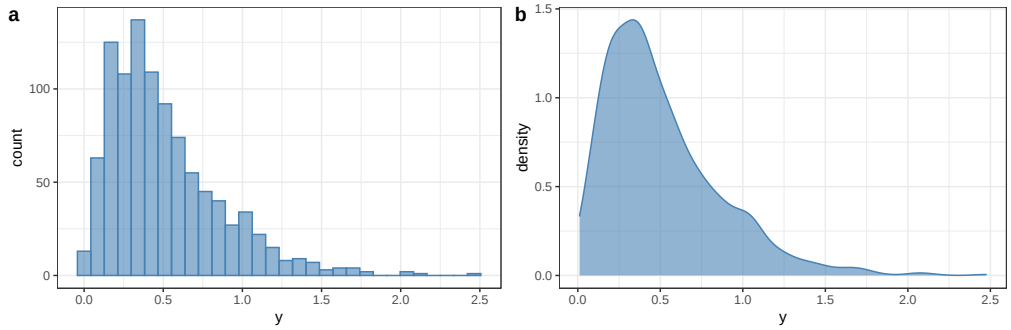

Figure 1: Histogram and density plot.

Gibbs parameters

alpha	beta	N sample	Chains	Thinning	Iterations	Adaptation	Final iter. no
2	4	1000	3	3	10000	10	3333

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

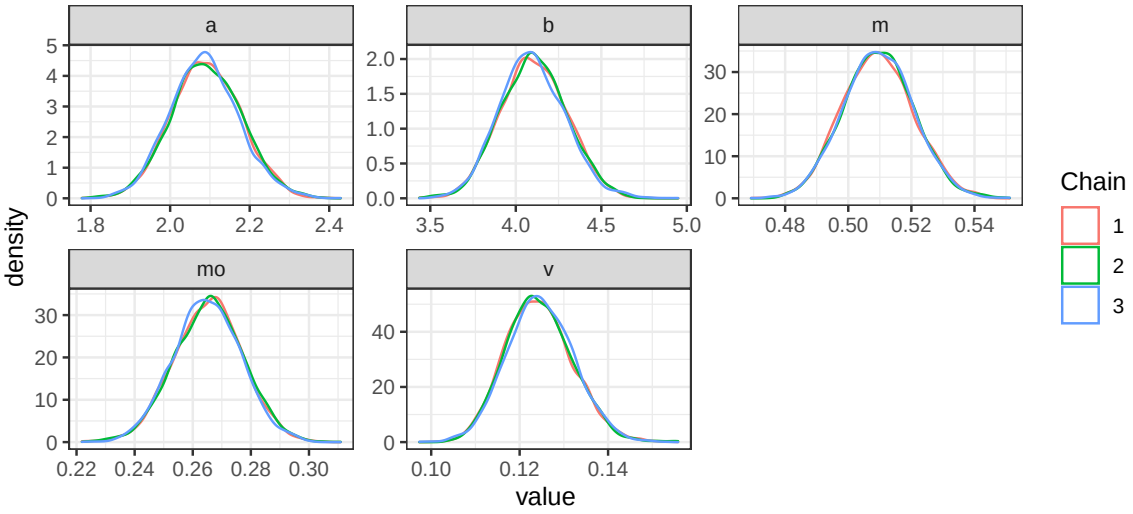

Figure 2: Posterior distributions densities for each parameter and in colors we show the chains.

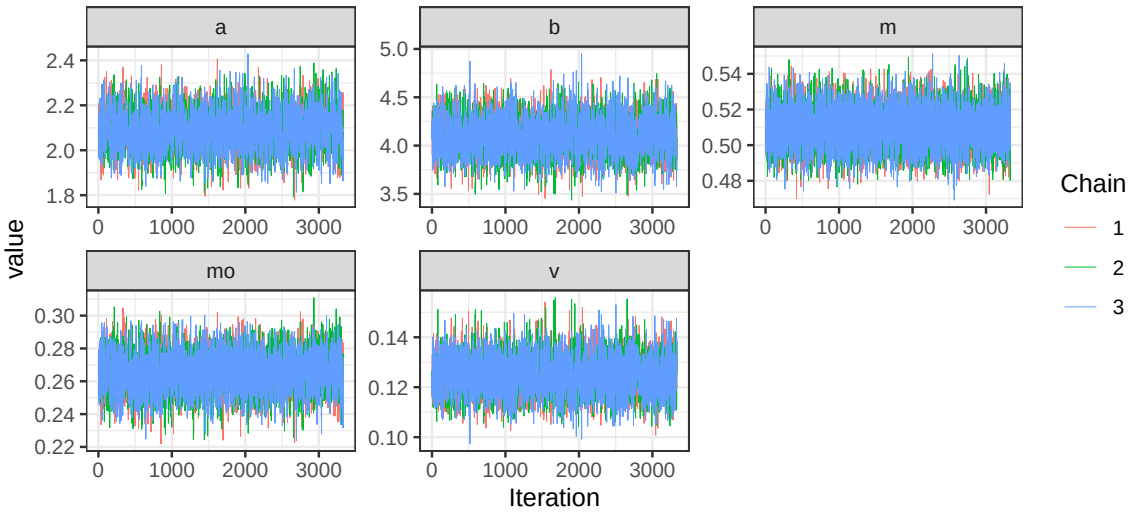

Figure 3: Traceplots for each parameter, in colors we show the chains.

Table 1: Summary statistics of the parameters posterior distributions.

	Mean	SD	R	Effective size
a	2.090	0.087	1.001	2534.537
b	4.103	0.193	1.000	2832.070
m	0.510	0.011	1.000	10377.170
mo	0.265	0.012	1.001	3848.102
v	0.125	0.008	1.000	3616.557

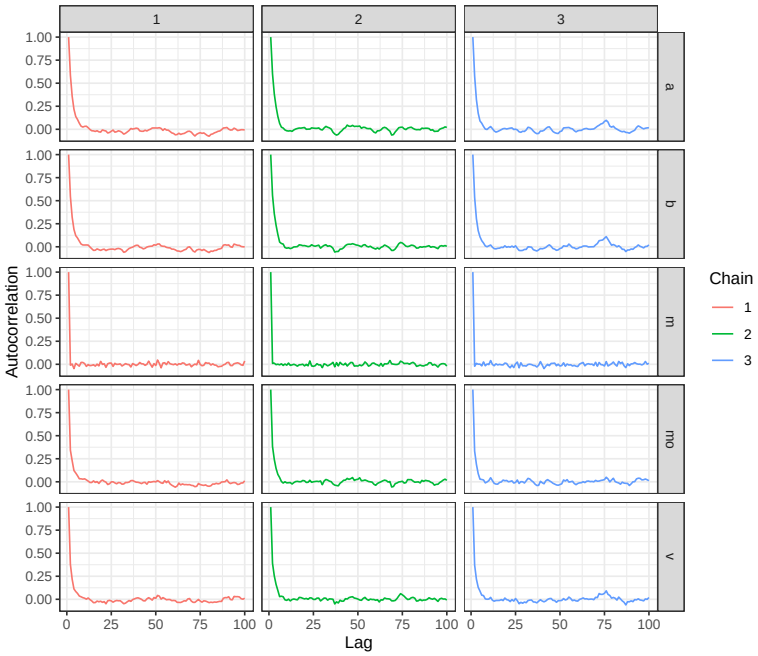

Figure 4: Autocorrelations vs lag.

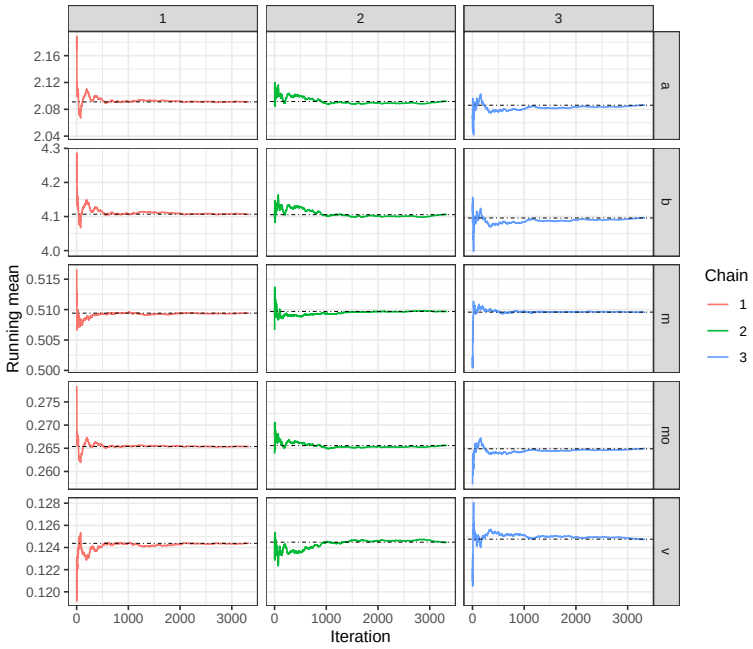

Figure 5: Estimates of the mean for each parameter and tranformations.

ML estimation

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