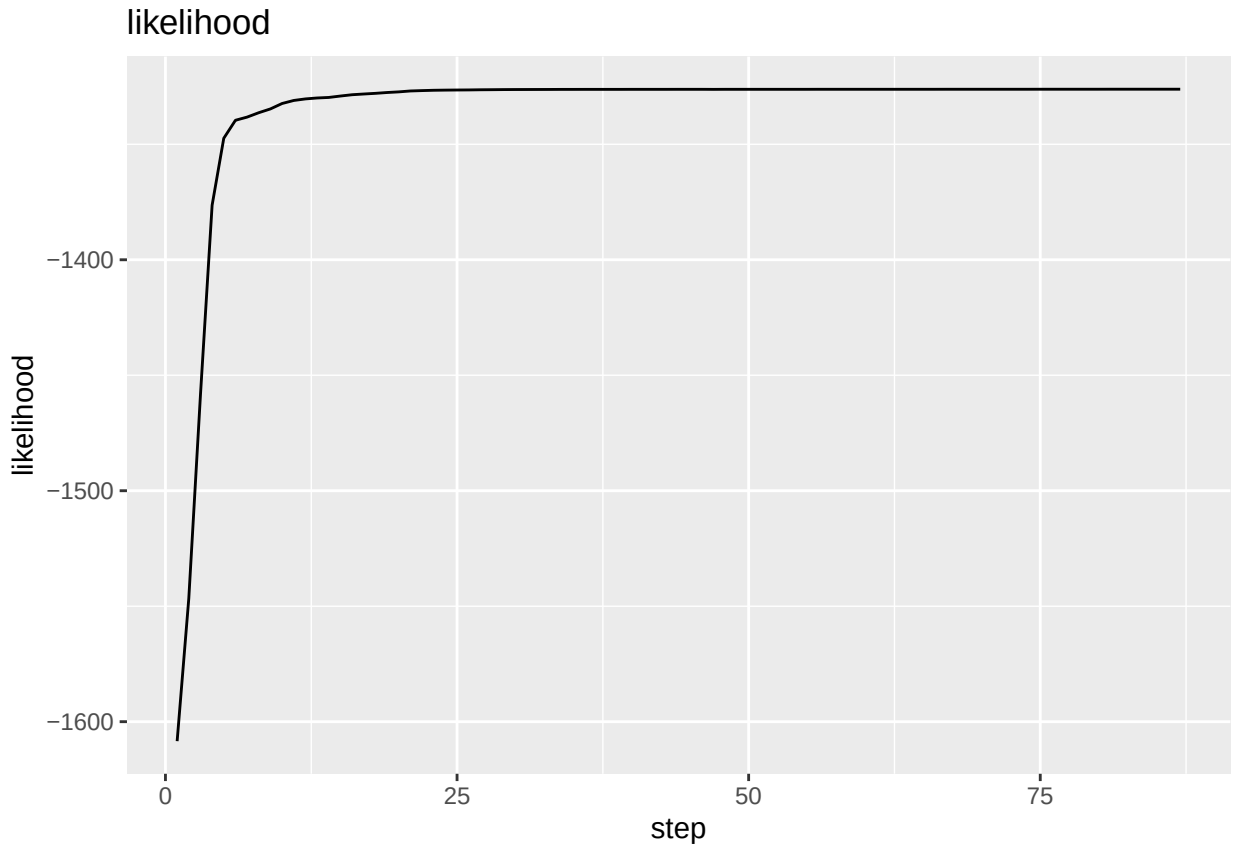
Parameters in IGCexpansion

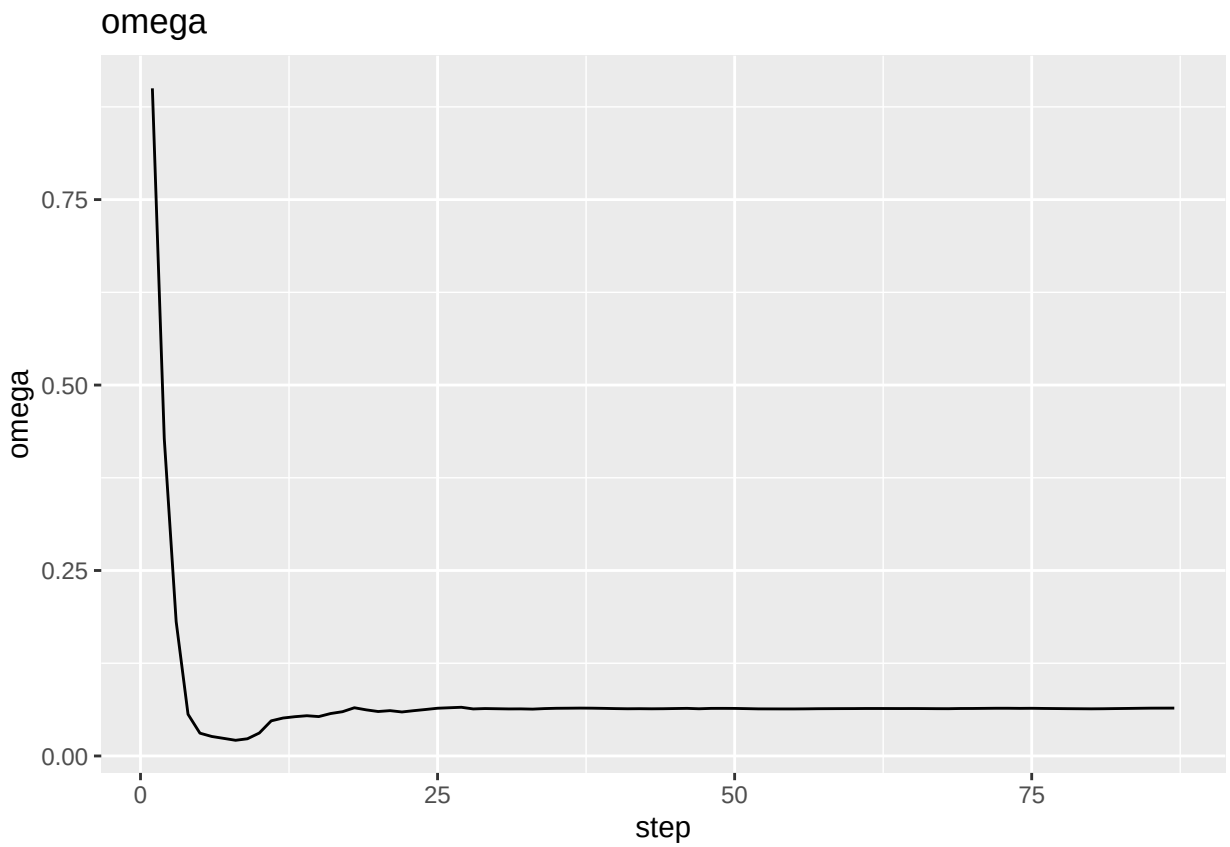
2022-09-14

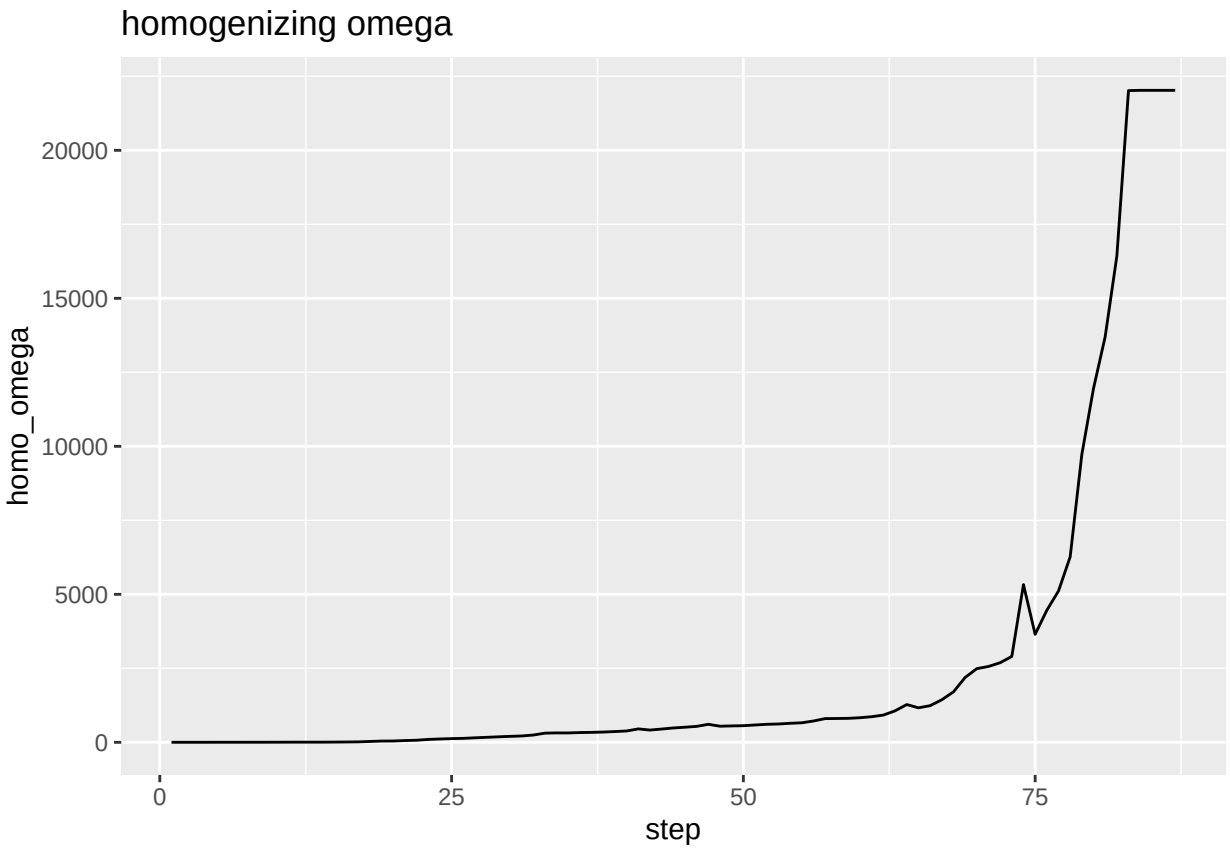
Information about the plots

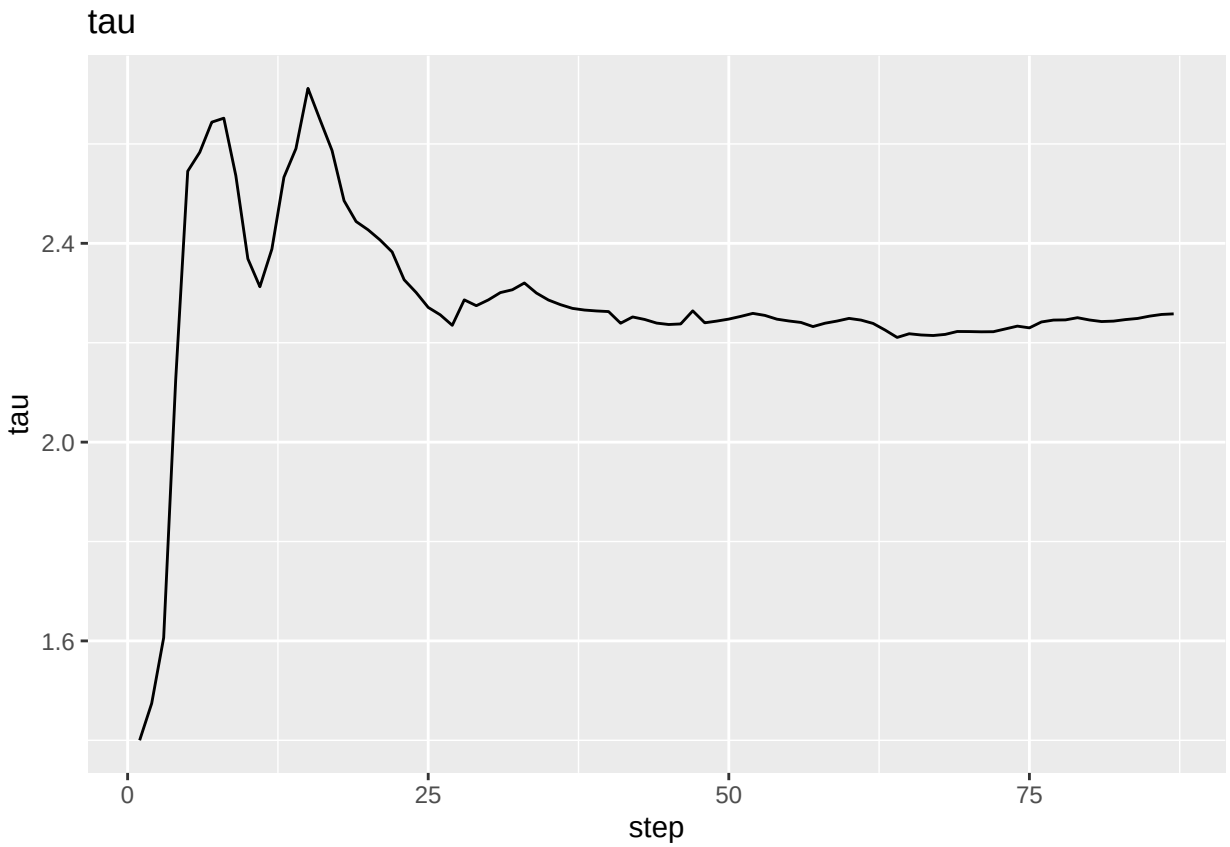
data: YBL087C_YER117W

initial value of homo_omega: 0.9




omega
0.75
0.50
0.25
0.00
omega
0
25
50
75
step


homogenizing omega
homo_omega
20000
15000
10000
5000
0
0
25
50
75
step



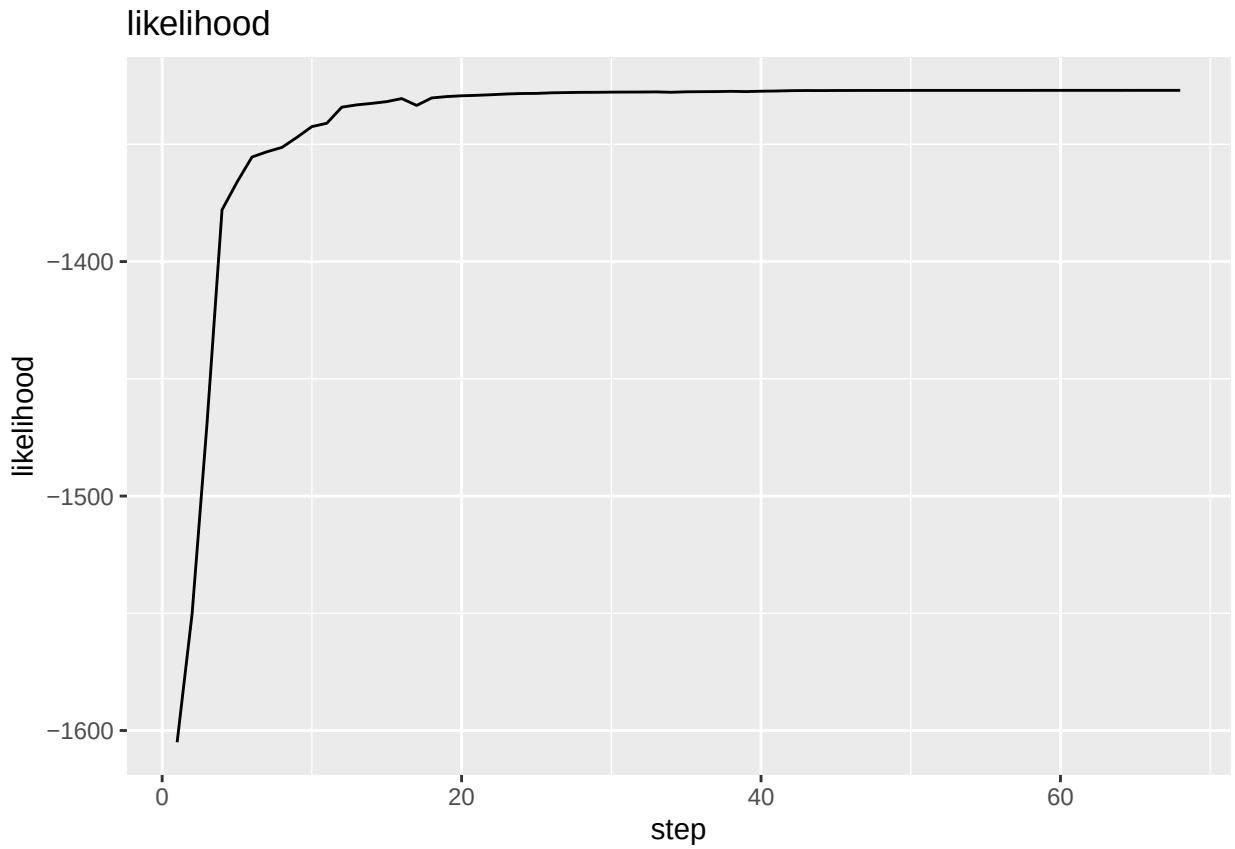

```
## [1] "log-likelihood: step 41 is 0.00113246382534271 lower than the previous step."
## [1] "log-likelihood: step 47 is 0.027899995561711 lower than the previous step."
## [1] "log-likelihood: step 74 is 0.00274337719497453 lower than the previous step."
```

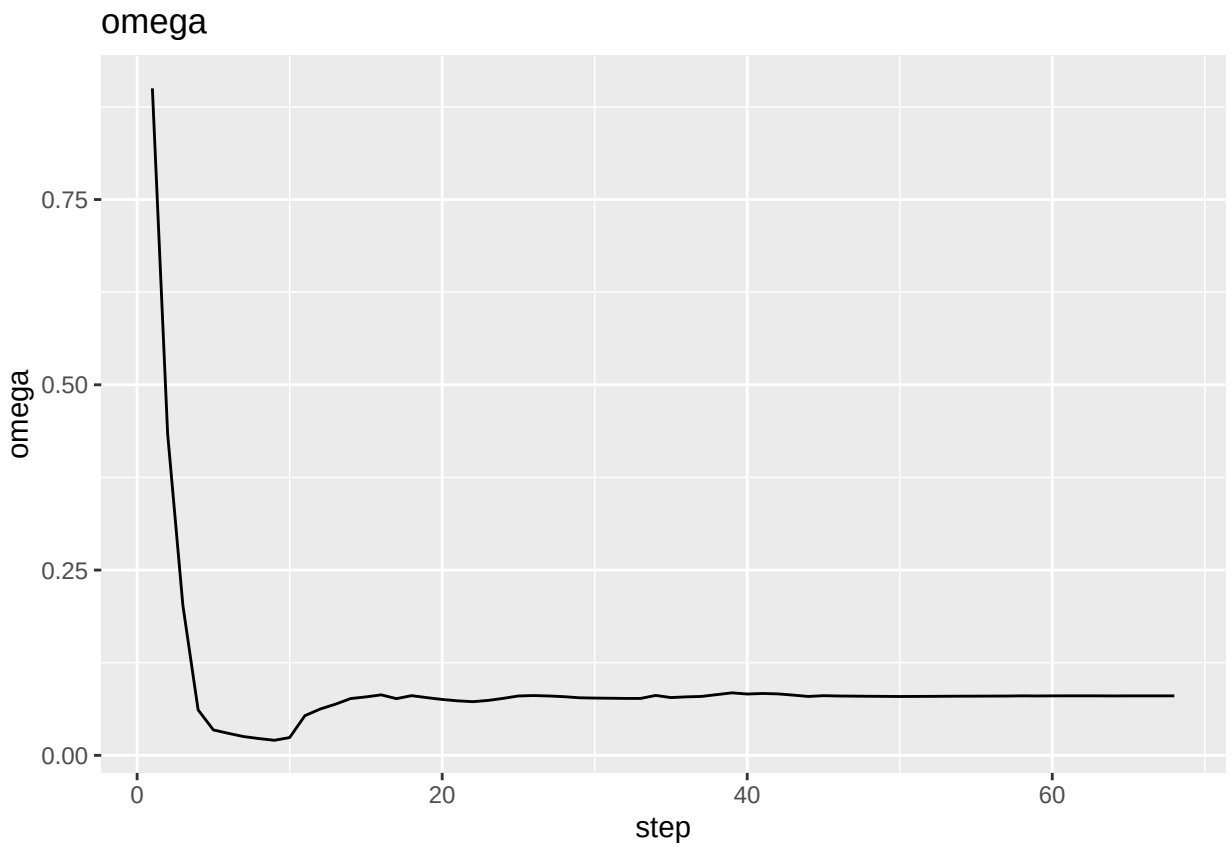
Information about the plots

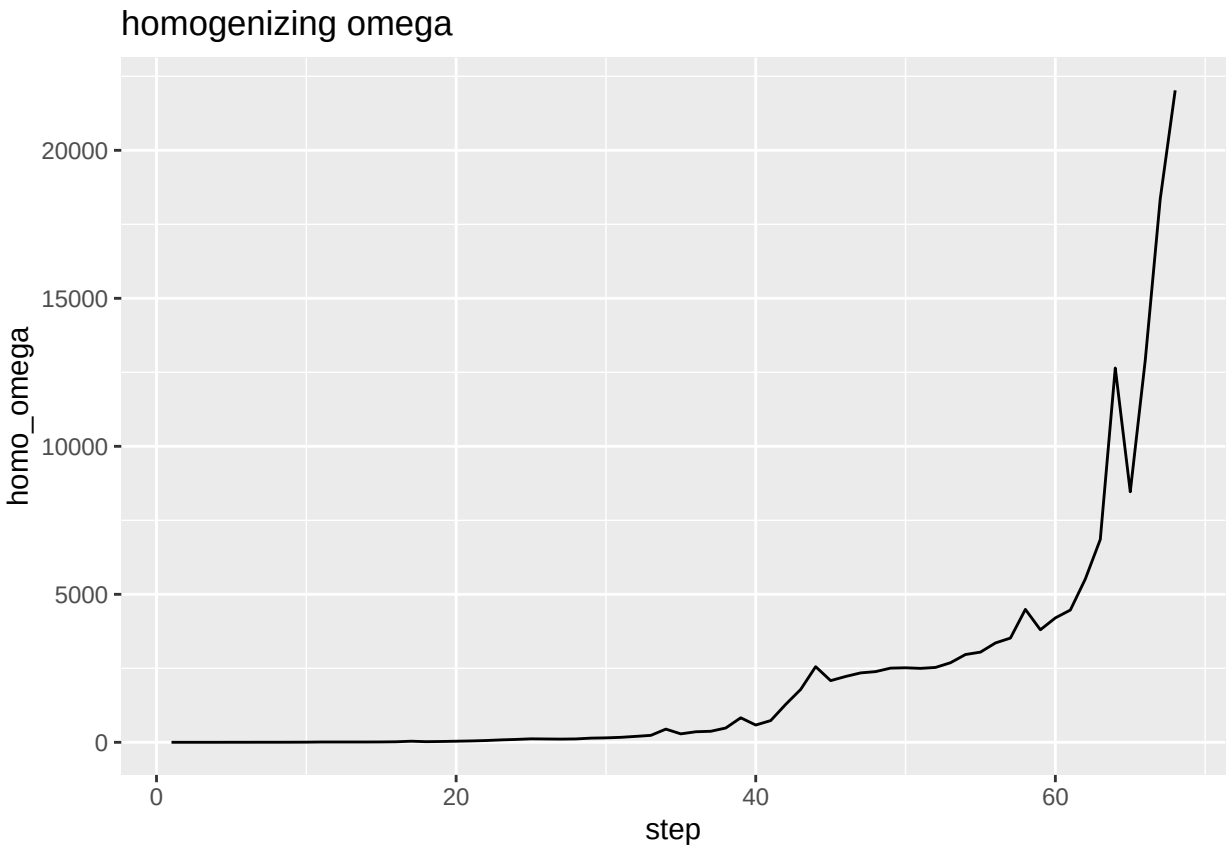
data: YML026C_YDR450W

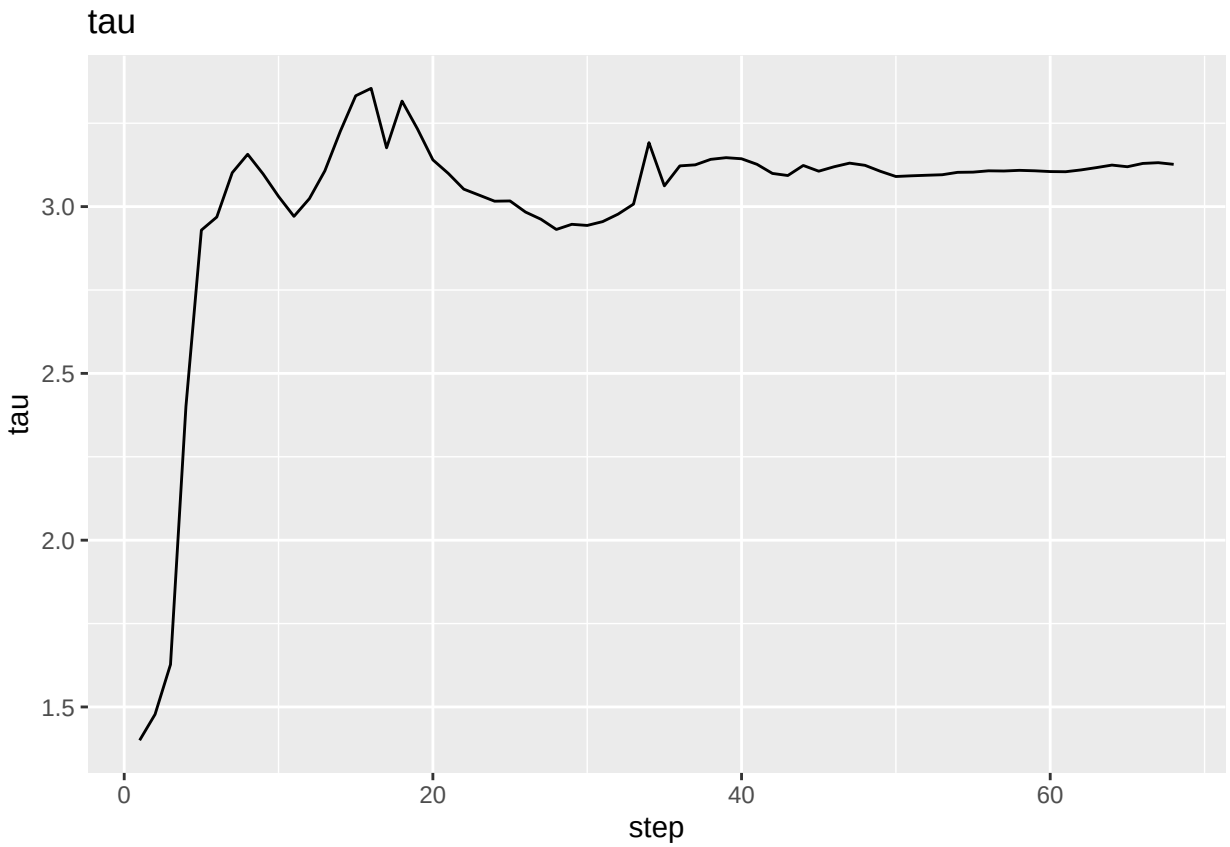
initial value of homo_omega: 0.9

find likelihood goes lower at iteration 17


likelihood
−1400
−1500
−1600
likelihood
0
20
40
60
step

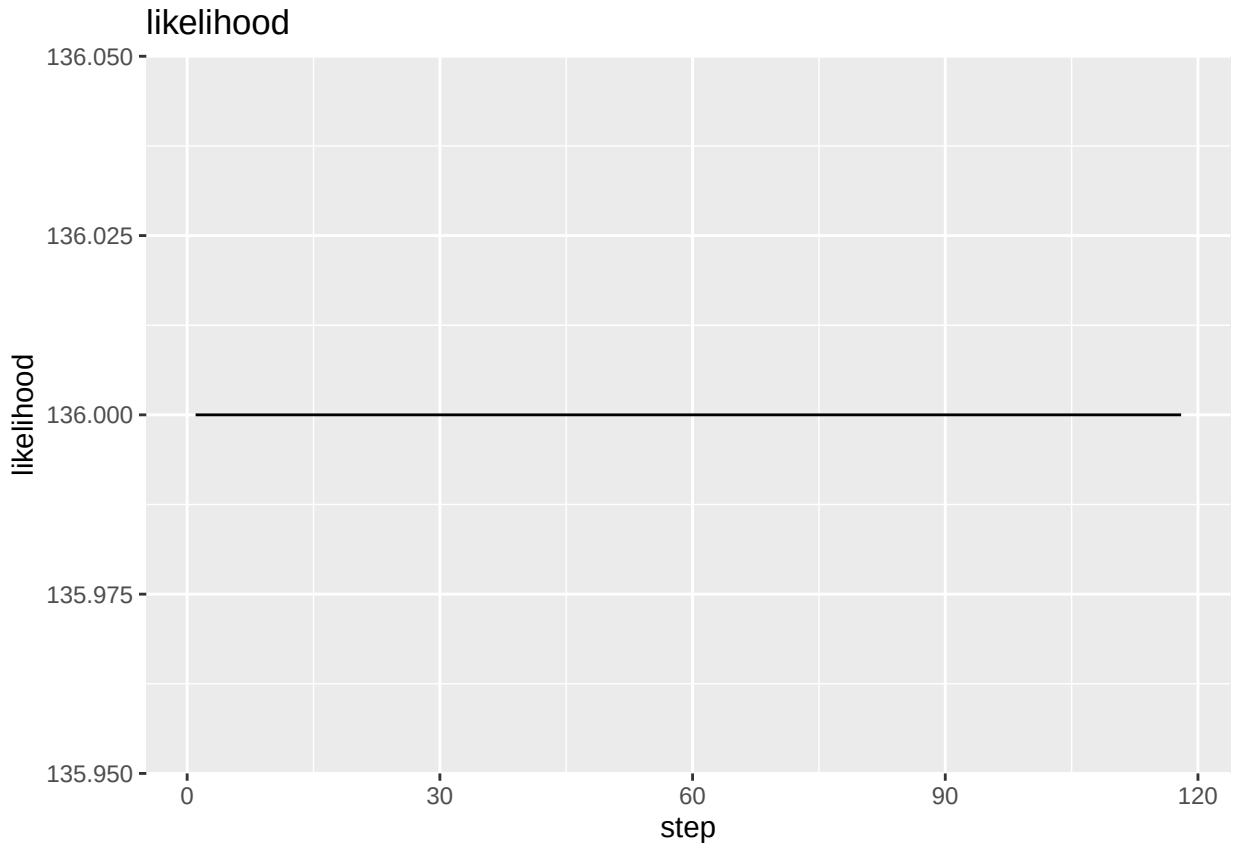

omega
0.75
0.50
0.25
0.00
omega
0
20
40
60
step

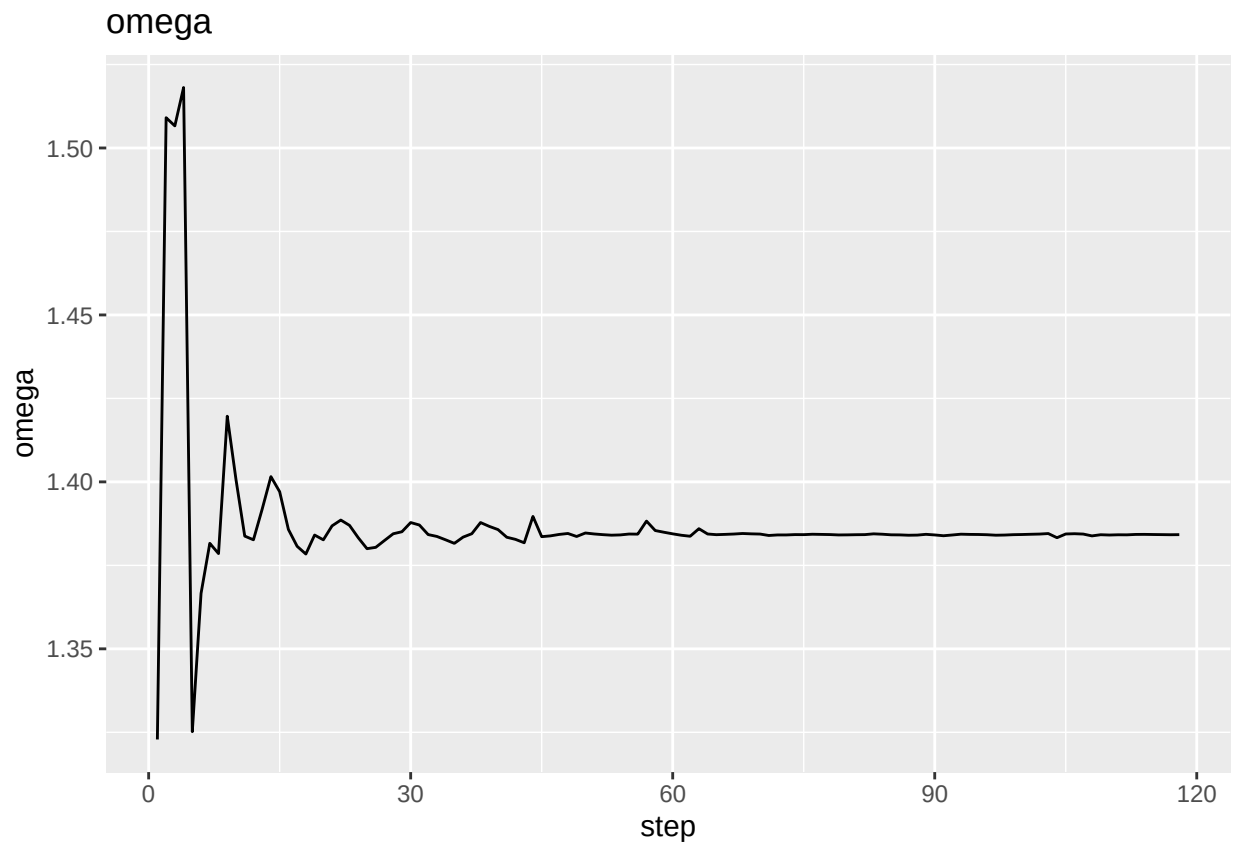

homogenizing omega
homo_omega
20000
15000
10000
5000
0
0
20
40
60
step

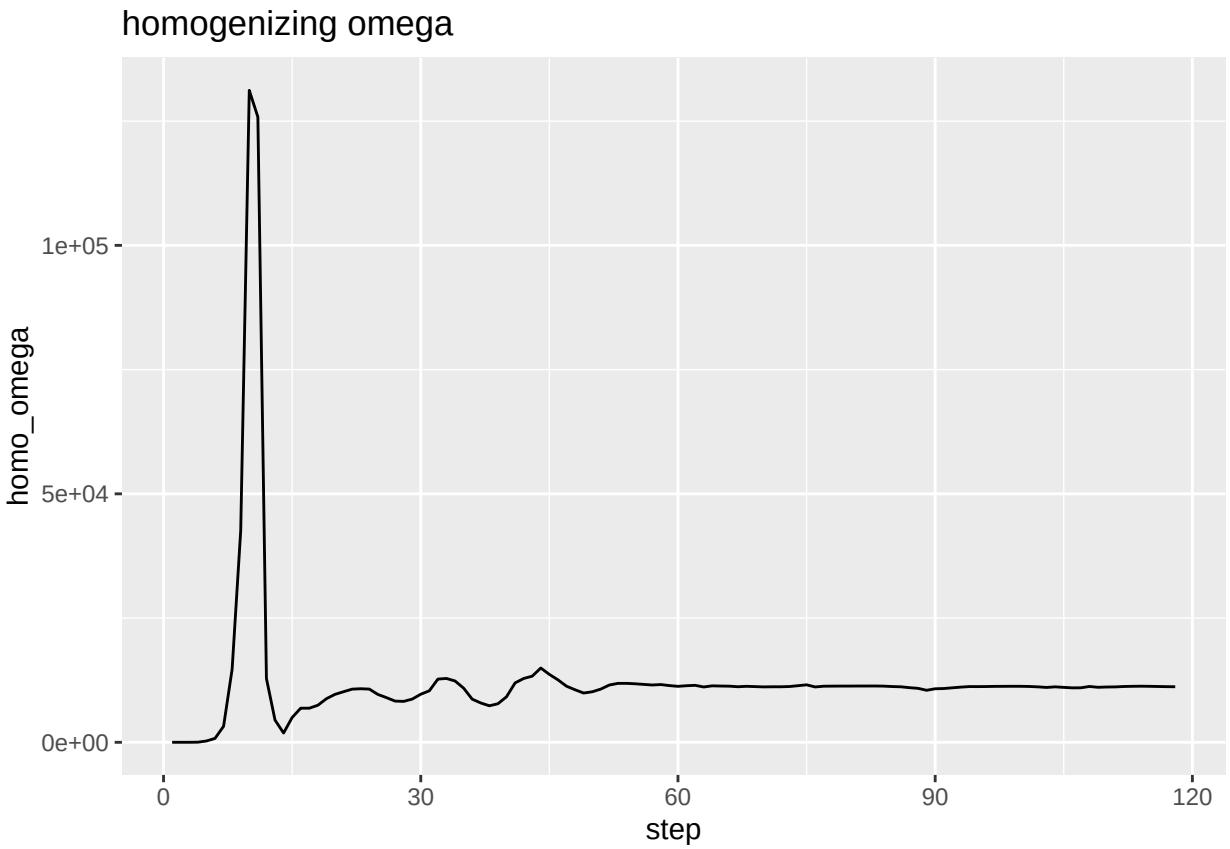


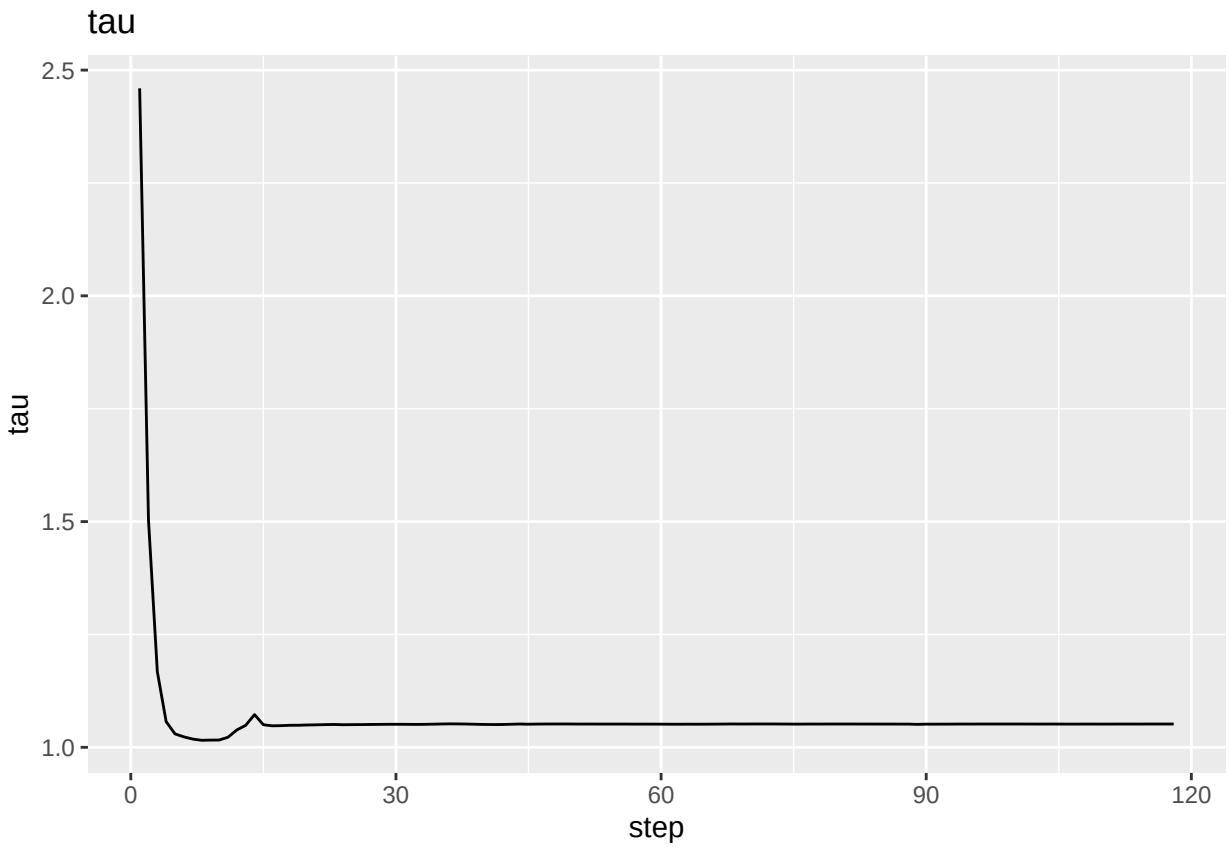

```
## [1] "log-likelihood: step 17 is 2.92776443157527 lower than the previous step."
## [1] "log-likelihood: step 34 is 0.154601148918346 lower than the previous step."
## [1] "log-likelihood: step 39 is 0.11137021383729 lower than the previous step."
## [1] "log-likelihood: step 44 is 0.0144063019554324 lower than the previous step."
## [1] "log-likelihood: step 58 is 0.00369675853880835 lower than the previous step."
## [1] "log-likelihood: step 64 is 0.00461945227903016 lower than the previous step."
```

Force tau case






homogenizing omega
homo_omega
1e+05
5e+04
0e+00
0
30
60
90
120
step


tau
2.5
2.0
1.5
1.0
tau
0
30
60
90
120
step