mcmccheck

Moi Exposito-Alonso 2019-04-04

Simple run without sampling variance

```
a=0.01
b=0.01
p=0
mu=1
svar=0.1
ss=0
epi=1
replicates=5
ss=0
n=500
m=3
maf=mafsim(m)
X <- Xsim(n,m,maf)</pre>
s= ssim(m,svar)
Ey=wsim(X,s,mode=2)
y=sampleW(Ey,a,b,p,rep = replicates)
h=sort(rep.int(1:n,replicates))
title <- ggdraw() + draw_label(paste("h2= ",format(var(Ey) / var(y),digits=2)),fontface = 'bold')</pre>
plot_grid(title,
          plot_grid(qplot(Ey),qplot(y)),
          ncol = 1, rel_heights = c(0.1, 1)
## `stat_bin()` using `bins = 30`. Pick better value with `binwidth`.
## `stat_bin()` using `bins = 30`. Pick better value with `binwidth`.
```

h2= 0.99 150 300 100 200 50 100 0 0 8.0 1.2 1.4 0.8 1.0 1.2 1.0 Еу У

```
-141872.8
   -141872.8
Posterior
   -141872.8
   -141872.8
   -141872.9
                                        1000
                                                               2000
                                                                                      3000
                   0
                                                iterations
\# LIKELIHOOD(y,h,wC(X,x\$shat,3),b,a,p,mu,epi,verbose = TRUE)
\# LIKELIHOOD(y,h,BMridge(X,My(y,h)),b,a,p,mu,epi,verbose = TRUE)
pnap<-scorplot(s,x$shat)</pre>
pgwa<-scorplot(s,BMridge(X,My(y,h)))</pre>
pfinal<-plot_grid(</pre>
          pnap$psel,
          pgwa$psel,
          labels=c("NAP","mGWA")
# print(pfinal)
inap<-indplot(y,h,x$w)</pre>
igwa<-indplot(y,h,X %*% BMridge(X,My(y,h))+mu)</pre>
pfin2<-plot_grid(</pre>
          inap,
          igwa,
          labels=c("NAP","mGWA")
## Warning: Removed 1 rows containing missing values (geom_hline).
## Warning: Removed 1 rows containing missing values (geom_vline).
## Warning: Removed 1 rows containing missing values (geom_hline).
## Warning: Removed 1 rows containing missing values (geom_vline).
```

print(pfin2) p<-plot_grid(pfinal,pfin2,ncol=1) print(p)</pre>

