

Submodel 3 without missing data

7/25/2017

```
##run n_iter=10000 iterations  
time
```

```
##      user      system elapsed  
## 1592.047   105.032  1775.139
```

```
burnin=5000  
##posterior mean  
(posterior.mean.v=apply(v_keep[-(1:burnin)],2, mean))
```

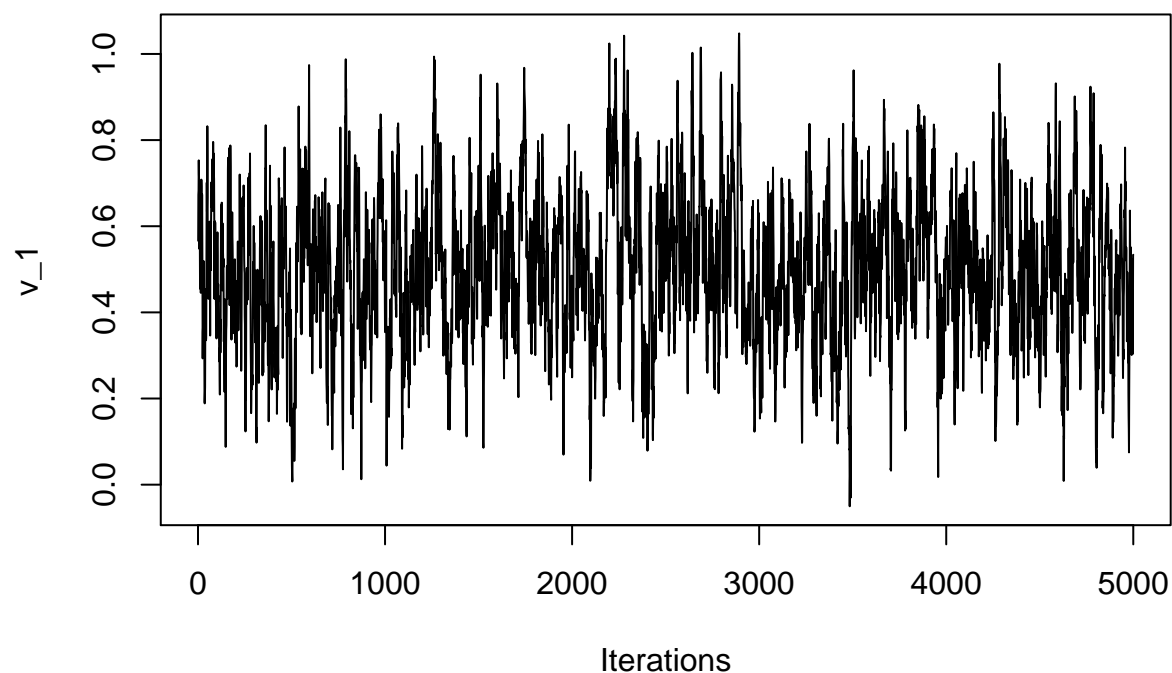
```
## [1]  0.4988314 -0.3050993
```

```
(posterior.mean.E=mean(E_keep[-(1:burnin)]))
```

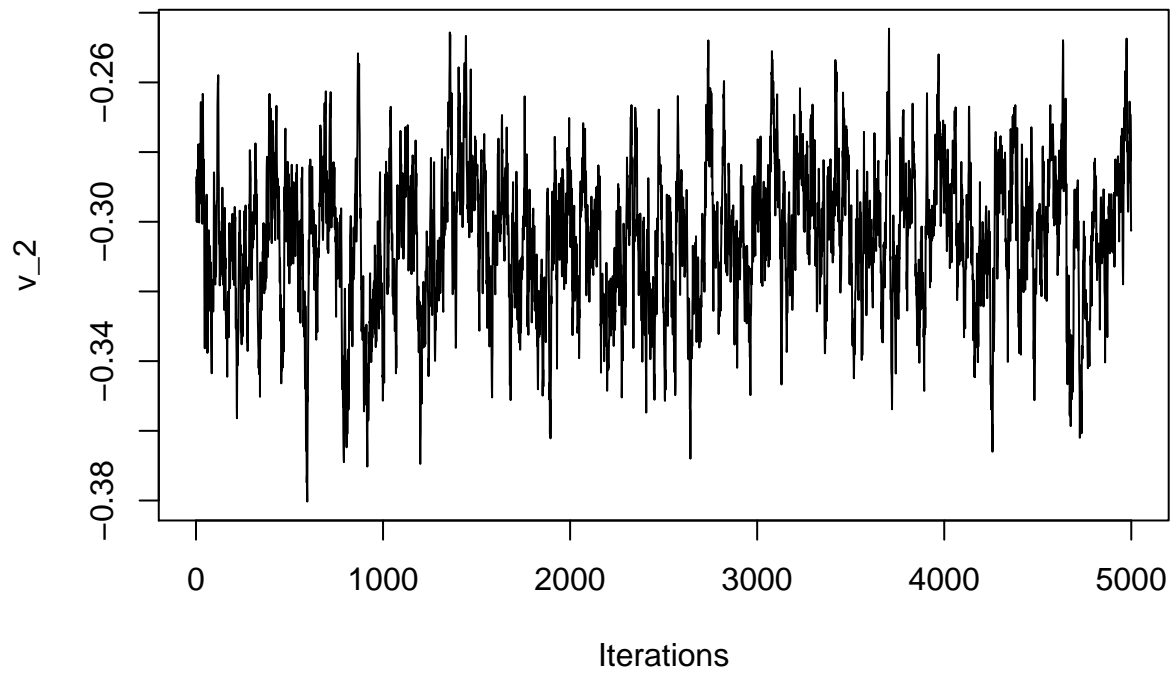
```
## [1] 1.689847
```

```
##traceplots after burn-in
```

```
traceplot(x=as.mcmc(v_keep[-(1:burnin),1]), ylab="v_1")
```



```
traceplot(x=as.mcmc(v_keep[-(1:burnin),2]), ylab="v_2")
```



```
traceplot(x=as.mcmc(E_keep[-(1:burnin)]), ylab="E")
```

