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Type 'q()' to quit R.

[Previously saved workspace restored]

> mydata<-read.table(file="d:/r/andy/mydata.txt")
> mydata
   V1 V2 V3 V4 V5 V6 V7 V8 V9 V10 V11 V12 V13 V14  V15 V16 V17 V18 V19 V20  V21
1   0  1  0  0  0  0  0  1  4   3 600   5 450   3 1000   5 600   8 450   5 1000
2   0 NA  0  1  0  0  0  1  4   3 600   5 450   3 1000   5 600   8 450   5 1000
3   0 NA  1 NA  0  0  0  1  4   3 600   5 450   3 1000   5 600   8 450   5 1000
4   0 NA NA NA  0  1  0  0  3   3 600   5 450   3 1000   5 600   8 450   5 1000
5   0 NA NA NA  0 NA  1  1  4   3 600   5 450   3 1000   5 600   8 450   5 1000
6   0 NA NA NA  1 NA NA  1  4   3 600   5 450   3 1000   5 600   8 450   5 1000
7   0  1  0  0  0  0  0  0  3   3 600   5 450   3 1000   5 600   8 450   5 1000
8   0 NA  0  1  0  0  0  0  0   3 600   5 450   3 1000   5 600   8 450   5 1000
9   1 NA  0 NA  0  0  0  0  1   3 600   5 450   3 1000   5 600   8 450   5 1000
10 NA NA  0 NA  0  1  0  0  2   3 600   5 450   3 1000   5 600   8 450   5 1000
11 NA NA  1 NA  0 NA  0  1  0   3 600   5 450   3 1000   5 600   8 450   5 1000
12 NA NA NA NA  1 NA  0  0  0   3 600   5 450   3 1000   5 600   8 450   5 1000
13  1  0  0  0  0  0  0  0  6   3 600   5 450   3 1000   5 600   8 450   5 1000
14 NA  0  0  1  0  0  0  0  0   3 600   5 450   3 1000   5 600   8 450   5 1000
15 NA  0  0 NA  0  1  0  1  0   3 600   5 450   3 1000   5 600   8 450   5 1000
16 NA  0  0 NA  1 NA  0  0  3   3 600   5 450   3 1000   5 600   8 450   5 1000
17 NA  1  0 NA NA NA  0  0  0   3 600   5 450   3 1000   5 600   8 450   5 1000
18 NA NA  1 NA NA NA  0  0  0   3 600   5 450   3 1000   5 600   8 450   5 1000
19  0  1  0  0  0  0  0  1  0   3 600   5 450   3 1000   5 600   8 450   5 1000
20  1 NA  0  0  0  0  0  0  2   3 600   5 450   3 1000   5 600   8 450   5 1000
21 NA NA  0  1  0  0  0  0  0   3 600   5 450   3 1000   5 600   8 450   5 1000
22 NA NA  1 NA  0  0  0  1  2   3 600   5 450   3 1000   5 600   8 450   5 1000
23 NA NA NA NA  0  1  0  0  1   3 600   5 450   3 1000   5 600   8 450   5 1000
24 NA NA NA NA  1 NA  0  0  2   3 600   5 450   3 1000   5 600   8 450   5 1000
25  0  1  0  0  0  0  0  0  2   3 600   5 450   3 1000   5 600   8 450   5 1000
26  0 NA  1  0  0  0  0  0  2   3 600   5 450   3 1000   5 600   8 450   5 1000
27  0 NA NA  0  0  1  0  0  1   3 600   5 450   3 1000   5 600   8 450   5 1000
28  0 NA NA  0  0 NA  1  0  2   3 600   5 450   3 1000   5 600   8 450   5 1000
29  1 NA NA  0  0 NA NA  0  2   3 600   5 450   3 1000   5 600   8 450   5 1000
30 NA NA NA  0  1 NA NA  1  1   3 600   5 450   3 1000   5 600   8 450   5 1000
31  0  1  0  0  0  0  0  0  0   3 600   5 450   3 1000   5 600   8 450   5 1000
32  0 NA  0  1  0  0  0  0  0   3 600   5 450   3 1000   5 600   8 450   5 1000
33  0 NA  0 NA  0  1  0  0  3   3 600   5 450   3 1000   5 600   8 450   5 1000
34  1 NA  0 NA  0 NA  0  0  0   3 600   5 450   3 1000   5 600   8 450   5 1000
35 NA NA  0 NA  1 NA  0  1  0   3 600   5 450   3 1000   5 600   8 450   5 1000
36 NA NA  1 NA NA NA  0  0  0   3 600   5 450   3 1000   5 600   8 450   5 1000
37  0  1  0  0  0  0  0  1  0   3 600   5 450   3 1000   5 600   8 450   5 1000
38  0 NA  0  0  0  0  1  1  9   3 600   5 450   3 1000   5 600   8 450   5 1000
39  1 NA  0  0  0  0 NA  1  0   3 600   5 450   3 1000   5 600   8 450   5 1000
40 NA NA  0  0  0  1 NA  1  0   3 600   5 450   3 1000   5 600   8 450   5 1000
41 NA NA  1  0  0 NA NA  1  0   3 600   5 450   3 1000   5 600   8 450   5 1000
42 NA NA NA  0  1 NA NA  1  0   3 600   5 450   3 1000   5 600   8 450   5 1000
   V22 V23
1    8 600
2    8 600
3    8 600
4    8 600
5    8 600
6    8 600
7    8 600
8    8 600
9    8 600
```

```
10   8 600
11   8 600
12   8 600
13   8 600
14   8 600
15   8 600
16   8 600
17   8 600
18   8 600
19   8 600
20   8 600
21   8 600
22   8 600
23   8 600
24   8 600
25   8 600
26   8 600
27   8 600
28   8 600
29   8 600
30   8 600
31   8 600
32   8 600
33   8 600
34   8 600
35   8 600
36   8 600
37   8 600
38   8 600
39   8 600
40   8 600
41   8 600
42   8 600
> y1=mydata[["V1"]]
> y2=mydata[["V2"]]
> y3=mydata[["V3"]]
> y4=mydata[["V4"]]
> y5=mydata[["V5"]]
> y6=mydata[["V6"]]
> y7=mydata[["V7"]]
> x1=mydata[["V8"]]
> x12=mydata[["V9"]]
> z1=mydata[["V10"]]
> z2=mydata[["V11"]]
> z3=mydata[["V12"]]
> z4=mydata[["V13"]]
> z5=mydata[["V14"]]
> z6=mydata[["V15"]]
> z7=mydata[["V16"]]
> z8=mydata[["V17"]]
> z9=mydata[["V18"]]
> z10=mydata[["V19"]]
> z11=mydata[["V20"]]
> z12=mydata[["V21"]]
> z13=mydata[["V22"]]
> z14=mydata[["V23"]]
> y1=mydata[["V1"]]
> y2=mydata[["V2"]]
> y3=mydata[["V3"]]
> y4=mydata[["V4"]]
> y5=mydata[["V5"]]
> y6=mydata[["V6"]]
> y7=mydata[["V7"]]
> x1=mydata[["V8"]]
> x12=mydata[["V9"]]
> z1=mydata[["V10"]]
> z2=mydata[["V11"]]
> z3=mydata[["V12"]]
> z4=mydata[["V13"]]
> z5=mydata[["V14"]]
> z6=mydata[["V15"]]
> z7=mydata[["V16"]]
> z8=mydata[["V17"]]
> z9=mydata[["V18"]]
```

```
> z10=mydata[["V19"]]
> z11=mydata[["V20"]]
> z12=mydata[["V21"]]
> z13=mydata[["V22"]]
> z14=mydata[["V23"]]
> local({pkg <- select.list(sort(.packages(all.available = TRUE)))
+ if(nchar(pkg)) library(pkg, character.only=TRUE)})
Loading required package: MASS
MNP: R Package for Fitting the Multinomial Probit Model
Version: 2.3-6
> mnp(formula=cbind(y1,y2,y3,y4,y5,y6,y7)~x1+x12,data=mydata, choiceX=list(y1=cbind(z1,z2),y2=
cbind(z3,z4),y3=cbind(z5,z6),y4=cbind(z7,z8),y5=cbind(z9,z10),y6=cbind(z11,z12),y7=cbind(z13,z
14)), cXnames=c("point","penalty"), n.draws=10000,burnin=2000,thin=3,verbose=TRUE)

The base category is `y7'.

The total number of alternatives is 7.

The choice-specific variables of the base category are subtracted from the corresponding varia
bles of the non-base categories.

The dimension of beta is 20.

The number of observations is 42.

Improper prior will be used for beta.

Starting Gibbs sampler...
Error in mnp(formula = cbind(y1, y2, y3, y4, y5, y6, y7) ~ x1 + x12, data = mydata,  :
        SWP: singular matrix.
>
```