```
ITEMS      VISITART        VISITED ART MUSEUM OR GALLERY IN LST YR

                Did you visit an art museum or gallery within

           MAKEART         MADE ART OR CRAFT OBJECT IN LST YR

                Did you make art or craft objects such as pottery,
                woodworking, quilts, or paintings within the past twelve months?

           DANCE           ATTENDED DANCE PERF IN LST YR

                Did you go to a live ballet or dance performance,
                not including school performances within the past twelve months?

           GOMUSIC         ATTENDED CLASSICAL OR OPERA IN LST YR

                Did you go to a classical music or opera performance,
                not including school performances within the past twelve months?

           PERFORM         PERFORMED MUSIC, DANCE, THEATER IN LST YR

                Did you take part in a music, dance, or theatrical
                performance within the past twelve months?

           SEEMOVIE        WENT TO A MOVIE IN LST YR

                Did you go out to see a movie in a theater within
                the past twelve m
```

```
           CHILDS          NUMBER OF CHILDREN
           AGE             AGE OF RESPONDENT
           SEX             RESPONDENTS SEX (1  MALE  2  FEMALE)
           RACE            RACE OF RESPONDENT (1  WHITE  2  BLACK  3  OTHER)
```

Questions:

1 fit a RM
2 perform likelihood ratio and Wald tests using different split criteria (based on raw score, using the variables in the data file) to find a homogeneous scale
3 use the plotting routines
4 identify some persons with high infit/outfit values. inspect their response patterns. do you find a reason for the high infit/outfit values?

Home Work

all neccessary files are in `BLOT.zip`

Tasks:

1 read chapter 4 (Bond & Fox)
2 try to reproduce the analysis using the eRm package

some results do not (exactly) coincide due to different numerical algorithms