

# Errata for the book *Applying Test Equating Methods: Using R*

Jorge González, Marie Wiberg

## General note

We have noticed that in the PDF version of the book, the apostrophe sign in the R code was sometimes transcribed incorrectly. This problem has been corrected in the R code scripts published in the website of the book

## Chapter 4

1. Some lines in the R code on Page 88 are wrong. Please replace

```
> obsSG <- Math20EG
```

by

```
> obsSG <- Math20SG
```

and

```
> SG.obsX<-apply(obsSG,1,sum)*1453
```

```
> SG.obsY<-apply(obsSG,2,sum)*1453
```

by

```
> SG.obsX<-apply(obsSG,1,sum)
```

```
> SG.obsY<-apply(obsSG,2,sum)
```

2. In Page 98, please replace

```
> J = 76,K = 77,wx=0.5,wy=0.5)
```

by

```
J = 76,K = 77,wx=0.5,wy=0.5)
```

3. Page 100 and R code in Page 101: The object `egADMy` was actually not previously created. The R script for Chapter 4 shows how it can be created.

## Chapter 5

1. Page 127. Due to a recent change in the `mirt` package, the following lines

```
modADMx.2PL <- mirt(ADMneatX, 1, itemtype = "2PL", SE = TRUE, SE.type = 'BL')
```

```
modADMy.2PL <- mirt(ADMneatY, 1, itemtype = "2PL", SE = TRUE, SE.type = 'BL')
```

should be replaced by

```
modADMx.2PL <- mirt(ADMneatX, 1, itemtype = "2PL", SE = TRUE, SE.type = 'numerical')
```

```
modADMy.2PL <- mirt(ADMneatY, 1, itemtype = "2PL", SE = TRUE, SE.type = 'numerical')
```

## Chapter 6

1. To get exactly the same plot as shown in Fig 6.2, please use the following code

```
> plot(0:80,mu.xy,type='p',ylab = expression(phi(x)),xlab='x',lwd=2, ylim=c(0,80))
```

## Chapter 7

1. Page 168. In the new version of the **mirt** package, data columns must be given a name. A possible solution is the following: after creating the objects **Xscore** and **Yscore**, run the following lines

```
> colnames(Xscore)<-paste('it',1:10,sep='')  
> colnames(Yscore)<-paste('it',1:10,sep='')
```

2. Page 168. Only one of the `> getEq(EGgpcm)` lines is needed.
3. Page 176. The last lines of code should be

```
> legend("bottomleft",pch=c(4,3,2,1), c("gauss.G","logis.G","gauss.L","logis.L"))
```