LATEX for bpca objects

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1 The simplest possible: biplot from iris

	PC1	PC2	PC3
Eigenvectors_Sepal.Length	0.52	-0.38	0.72
$Eigenvectors \\ \\ _Sepal. Width$	-0.27	-0.92	-0.24
Eigenvectors_Petal.Length	0.58	-0.02	-0.14
Eigenvectors_Petal.Width	0.56	-0.07	-0.63
Eigenvalues	20.85	11.67	4.68
Variance retained	0.73	0.23	0.04
Variance accumulated	0.73	0.96	0.99

2 Adding caption and cross-referencing

Table 1 using caption and label to cross-referencing. See also Tables 2 and 3.

```
> ## Example: with caption and label
> bp2 <- bpca(gabriel1971)
> xtable(bp2,
+ caption='Biplot of gabriel1971 data.',
+ label='tbl_bp2')
```

	PC1	PC2
Eigenvectors_CRISTIAN	-0.34	0.15
$Eigenvectors \backslash _ARMENIAN$	-0.34	0.17
Eigenvectors_JEWISH	-0.34	0.28
$Eigenvectors \subseteq MOSLEM$	-0.34	0.21
Eigenvectors \L MODERN.1	-0.32	-0.58
Eigenvectors \L MODERN.2	-0.31	-0.60
Eigenvectors \setminus _OTHER.1	-0.35	-0.11
Eigenvectors \setminus _OTHER.2	-0.34	0.07
$Eigenvectors \subseteq RUR$	-0.32	0.34
Eigenvalues	7.63	1.77
Variance retained	0.92	0.05
Variance accumulated	0.92	0.97

Tabela 1: Biplot of gabriel1971 data.

3 Latin characters

	CP1	CP2
Autovetores_CRISTIAN	-0.34	0.15
Autovetores_ARMENIAN	-0.34	0.17
Autovetores_JEWISH	-0.34	0.28
$Autovetores \subseteq MOSLEM$	-0.34	0.21
Autovetores_MODERN.1	-0.32	-0.58
Autovetores_MODERN.2	-0.31	-0.60
Autovetores_OTHER.1	-0.35	-0.11
Autovetores_OTHER.2	-0.34	0.07
Autovetores_RUR	-0.32	0.34
Autovalores	7.63	1.77
Variância retida	0.92	0.05
Variância acumulada	0.92	0.97

4 Other cross-referencing

```
> ## Example: with caption and label
> xtable(bpca(ontario,
+ d=1:3),
+ caption='Biplot of ontario data.',
+ label='tbl_ontario')
```

PC2	DCO
1 02	PC3
-0.13	0.54
-0.14	-0.22
-0.01	-0.39
0.04	0.30
-0.46	0.34
0.31	-0.03
-0.52	-0.52
0.55	-0.08
0.28	-0.11
5.56	3.37
0.20	0.07
0.78	0.86
	-0.14 -0.01 0.04 -0.46 0.31 -0.52 0.55 0.28 5.56 0.20

Tabela 2: Biplot of ontario data.

5 Bold in the column

	PC1	PC2
Eigenvectors_CRISTIAN	-0.34	0.15
$Eigenvectors \setminus ARMENIAN$	-0.34	0.17
Eigenvectors_JEWISH	-0.34	0.28
$Eigenvectors \setminus MOSLEM$	-0.34	0.21
Eigenvectors $\MODERN.1$	-0.32	-0.58
Eigenvectors \setminus _MODERN.2	-0.31	-0.60
Eigenvectors \setminus _OTHER.1	-0.35	-0.11
Eigenvectors \setminus _OTHER.2	-0.34	0.07
$Eigenvectors \subseteq RUR$	-0.32	0.34
Eigenvalues	7.63	1.77
Variance retained	0.92	0.05
Variance accumulated	0.92	0.97

Tabela 3: Biplot of gabriel1971 data.

6 Italic in the rows

	PC1	PC2
$\overline{Eigenvectors_CRISTIAN}$	-0.34	0.15
$Eigenvectors_ARMENIAN$	-0.34	0.17
$Eigenvectors_JEWISH$	-0.34	0.28
$Eigenvectors_MOSLEM$	-0.34	0.21
$Eigenvectors_MODERN.1$	-0.32	-0.58
$Eigenvectors_MODERN.2$	-0.31	-0.60
$Eigenvectors_OTHER.1$	-0.35	-0.11
$Eigenvectors_OTHER.2$	-0.34	0.07
$Eigenvectors_RUR$	-0.32	0.34
Eigenvalues	7.63	1.77
$Variance\ retained$	0.92	0.05
Variance accumulated	0.92	0.97

7 Call directly the print.xtable function

	CP1	CP2
$\overline{Autovetores_CRISTIAN}$	-0.34	0.15
$Autovetores_ARMENIAN$	-0.34	0.17
$Autovetores_JEWISH$	-0.34	0.28
$Autovetores_MOSLEM$	-0.34	0.21
$Autovetores_MODERN.1$	-0.32	-0.58
$Autovetores_MODERN.2$	-0.31	-0.60
$Autovetores_OTHER.1$	-0.35	-0.11
$Autovetores_OTHER.2$	-0.34	0.07
$Autovetores_RUR$	-0.32	0.34
Autovalores	7.63	1.77
$Vari\hat{a}ncia\ retida$	0.92	0.05
$Vari\hat{a}ncia\ acumulada$	0.92	0.97