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# L<sup>A</sup>T<sub>E</sub>X table for bpca objects

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*Customization in L<sup>A</sup>T<sub>E</sub>X:*

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Examples of references: See Tables 1, 2 and 14.

		Eigenvalues	
		PC1 ( $\lambda_1 = 20.8532$ )	PC2 ( $\lambda_2 = 11.6701$ )
Eigenvectors	Sepal.Length	0.5211	-0.3774
	Sepal.Width	-0.2693	-0.9233
	Petal.Length	0.5804	-0.0245
	Petal.Width	0.5649	-0.0669
Variance retained (%)	Partial	72.9624	22.8508
	Accumulated	72.9624	95.8132

		Eigenvalues	
		PC1 ( $\lambda_1 = 20.8532$ )	PC2 ( $\lambda_2 = 11.6701$ )
Eigenvectors	Sepal.Length	0.5211	-0.3774
	Sepal.Width	-0.2693	-0.9233
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Variance retained (%)	Partial	72.9624	22.8508
	Accumulated	72.9624	95.8132

Tabela 1: Biplot gabriel1971 (alignment = centering)

		Eigenvalues	
		PC1 ( $\lambda_1 = 7.6272$ )	PC2 ( $\lambda_2 = 1.7717$ )
Eigenvectors	CRISTIAN	-0.3378	0.1498
	ARMENIAN	-0.3404	0.1673
	JEWISH	-0.3378	0.2801
	MOSLEM	-0.3406	0.2122
	MODERN.1	-0.318	-0.5755
	MODERN.2	-0.3143	-0.6012
	OTHER.1	-0.3452	-0.106
	OTHER.2	-0.3443	0.0717
	RUR	-0.3199	0.3422
Variance retained (%)	Partial	92.3399	4.9823
	Accumulated	92.3399	97.3222

Tabela 2: Biplot da base de dados iris (alignent = flushright)

		Autovalores	
		PC1 ( $\lambda_1 = 20.8532$ )	PC2 ( $\lambda_2 = 11.6701$ )
Autovetores	Sepal.Length	0.5211	-0.3774
	Sepal.Width	-0.2693	-0.9233
	Petal.Length	0.5804	-0.0245
	Petal.Width	0.5649	-0.0669
Var. retida	Parcial	0.7296	0.2285
	Acumulada	0.7296	0.9581

Tabela 3: Biplot gge2003 (changing the alignment of the column first)

		Eigenvalues		
		PC1 ( $\lambda_1 = 2.4363$ )	PC2 ( $\lambda_2 = 1.7506$ )	PC3 ( $\lambda_3 = 0$ )
Eigenvectors	E1	0.0409	0.9878	-0.1503
	E2	-0.7088	-0.0774	-0.7012
	E3	0.7043	-0.1352	-0.6969
Variance retained (%)	Partial	65.9504	34.0496	0
	Accumulated	65.9504	100	100

Tabela 4: Biplot gge2003 (changing the alignment of the second column)

		Eigenvalues		
		PC1 ( $\lambda_1 = 2.4363$ )	PC2 ( $\lambda_2 = 1.7506$ )	PC3 ( $\lambda_3 = 0$ )
Eigenvectors	E1	0.0409	0.9878	-0.1503
	E2	-0.7088	-0.0774	-0.7012
	E3	0.7043	-0.1352	-0.6969
Variance retained (%)	Partial	65.9504	34.0496	0
	Accumulated	65.9504	100	100

Tabela 5: Biplot gge2003 (changing the column alignment with numbers)

		Eigenvalues		
		PC1 ( $\lambda_1 = 2.4363$ )	PC2 ( $\lambda_2 = 1.7506$ )	PC3 ( $\lambda_3 = 0$ )
Eigenvectors	E1	0.0409	0.9878	-0.1503
	E2	-0.7088	-0.0774	-0.7012
	E3	0.7043	-0.1352	-0.6969
Variance retained (%)	Partial	65.9504	34.0496	0
	Accumulated	65.9504	100	100

Tabela 6: Biplot gge2003 (changing the header alignment)

		Eigenvalues		
		PC1 ( $\lambda_1 = 2.4363$ )	PC2 ( $\lambda_2 = 1.7506$ )	PC3 ( $\lambda_3 = 0$ )
Eigenvectors	E1	0.0409	0.9878	-0.1503
	E2	-0.7088	-0.0774	-0.7012
	E3	0.7043	-0.1352	-0.6969
Variance retained (%)	Partial	65.9504	34.0496	0
	Accumulated	65.9504	100	100

Tabela 7: Biplot gge2003 (two decimals)

		Eigenvalues		
		Principal Component-1 ( $\lambda_1 = 2.44$ )	Principal Component-2 ( $\lambda_2 = 1.75$ )	Principal Component-3 ( $\lambda_3 = 0$ )
Eigenvectors	E1	0.04	0.99	-0.15
	E2	-0.71	-0.08	-0.7
	E3	0.7	-0.14	-0.7
Variance retained (%)	Partial	65.95	34.05	0
	Accumulated	65.95	100	100

Tabela 8: Biplot gge2003 (bold in the header, subheader and variables)

		Eigenvalues		
		<b>PC1</b> ( $\lambda_1 = 2.44$ )	<b>PC2</b> ( $\lambda_2 = 1.75$ )	<b>PC3</b> ( $\lambda_3 = 0$ )
<b>Eigenvectors</b>	<b>E1</b>	0.04	0.99	-0.15
	<b>E2</b>	-0.71	-0.08	-0.7
	<b>E3</b>	0.7	-0.14	-0.7
<b>Variance retained (%)</b>	<b>Partial</b>	65.95	34.05	0
	<b>Accumulated</b>	65.95	100	100

Tabela 9: Biplot gge2003 (changing the font)

		Eigenvalues		
		<b>P. Component-1</b> ( $\lambda_1 = 2.44$ )	<b>P. Component-2</b> ( $\lambda_2 = 1.75$ )	<b>P. Component-3</b> ( $\lambda_3 = 0$ )
Eigenvectors	E1	0.04	0.99	-0.15
	E2	-0.71	-0.08	-0.7
	E3	0.7	-0.14	-0.7
Variance retained (%)	Partial	65.95	34.05	0
	Accumulated	65.95	100	100

Tabela 10: Biplot gabriel1971 (italic in the variables names)

		Eigenvalues	
		<b>Principal Component-1</b> ( $\lambda_1 = 7.63$ )	<b>Principal Component-2</b> ( $\lambda_2 = 1.77$ )
Eigenvectors	<i>CRISTIAN</i>	-0.34	0.15
	<i>ARMENIAN</i>	-0.34	0.17
	<i>JEWISH</i>	-0.34	0.28
	<i>MOSLEM</i>	-0.34	0.21
	<i>MODERN.1</i>	-0.32	-0.58
	<i>MODERN.2</i>	-0.31	-0.6
	<i>OTHER.1</i>	-0.35	-0.11
	<i>OTHER.2</i>	-0.34	0.07
	<i>RUR</i>	-0.32	0.34
Variance retained (%)	Partial	92.34	4.98
	Accumulated	92.34	97.32

Tabela 11: Biplot gabriel1971 (with footnote)

		Eigenvalues	
		PC1 ( $\lambda_1 = 7.627$ )	PC2 ( $\lambda_2 = 1.772$ )
Eigenvectors	CRISTIAN	-0.338	0.15
	ARMENIAN	-0.34	0.167
	JEWISH	-0.338	0.28
	MOSLEM	-0.341	0.212
	MODERN.1	-0.318	-0.575
	MODERN.2	-0.314	-0.601
	OTHER.1	-0.345	-0.106
	OTHER.2	-0.344	0.072
	RUR	-0.32	0.342
Variance retained (%)	Partial	92.34	4.982
	Accumulated	92.34	97.322

<sup>1</sup>Example with footnote

Tabela 12: Biplot gabriel1971 (with principal components 2, 3 and 4)

		Eigenvalues		
		PC2 ( $\lambda_2 = 1.77168$ )	PC3 ( $\lambda_3 = 1.09626$ )	PC4 ( $\lambda_4 = 0.50643$ )
Eigenvectors	CRISTIAN	0.14981	0.4523	-0.42315
	ARMENIAN	0.16727	0.33772	-0.28338
	JEWISH	0.28008	-0.04739	0.48833
	MOSLEM	0.21216	0.25698	0.3061
	MODERN.1	-0.57547	0.11916	-0.23008
	MODERN.2	-0.60122	-0.24495	0.12424
	OTHER.1	-0.106	-0.09399	0.11706
	OTHER.2	0.07175	-0.10875	0.32905
	RUR	0.34221	-0.71988	-0.46704
Variance retained (%)	Partial	4.98228	1.9076	0.4071
	Accumulated	4.98228	6.88988	7.29698

Tabela 13: Biplot Marina (more than one bpca)

		Eigenvalues					
		Year-2007			Year-2008		
		PC1 ( $\lambda_1 = 3.71$ )	PC2 ( $\lambda_2 = 1.3$ )	PC3 ( $\lambda_3 = 0.73$ )	PC1 ( $\lambda_1 = 3.61$ )	PC2 ( $\lambda_2 = 1.64$ )	
Eigenvectors	F	0.45	-0.82	-0.35	-0.54	0	
	D	0.53	0.19	0.24	-0.55	-0.17	
	MD	0.52	0.01	0.65	-0.51	-0.48	
	WD	0.49	0.54	-0.63	-0.39	0.86	
Variance retained (%)	Partial	86.16	10.49	3.35	81.44	16.87	
	Accumulated	86.16	96.65	100	81.44	98.31	

Tabela 14: Biplot Marina (with two lines)

		Eigenvalues						
		2007			2008		2009	
		PC1 ( $\lambda_1 = 3.713$ )	PC2 ( $\lambda_2 = 1.295$ )	PC3 ( $\lambda_3 = 0.732$ )	PC1 ( $\lambda_1 = 3.61$ )	PC2 ( $\lambda_2 = 1.643$ )	PC1 ( $\lambda_1 = 3.55$ )	PC2 ( $\lambda_2 = 1.714$ )
Eigenvectors	F	0.451	-0.82	-0.353	-0.541	0.003	0.517	-0.342
	D	0.532	0.192	0.236	-0.546	-0.17	0.558	0.096
	MD	0.523	0.007	0.652	-0.507	-0.482	0.522	-0.391
	WD	0.489	0.54	-0.628	-0.391	0.86	0.386	0.849
Variance retained (%)	Partial	86.163	10.486	3.351	81.441	16.873	78.744	18.357
	Accumulated	86.163	96.649	100	81.441	98.314	78.744	97.101

Note: F - Movie; D - Documentary; DH - Documentary directed by men; DF - Documentary directed by women.