
L^AT_EX table for bpca objects

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Customization in L^AT_EX:

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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	
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	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		
		PC1 ($\lambda_1 = 2.44$)	PC2 ($\lambda_2 = 1.75$)	PC3 ($\lambda_3 = 0$)
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 9: Biplot gge2003 (changing the font)

		Eigenvalues					
		P. Component-1	$(\lambda_1 = 2.44)$	P. Component-2	$(\lambda_2 = 1.75)$	P. 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 10: Biplot gabriel1971 (italic in the variables names)

		Eigenvalues	
		Principal	Principal
		Component-1	Component-2
		$(\lambda_1 = 7.63)$	$(\lambda_2 = 1.77)$
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	PC2
		$(\lambda_1 = 7.627)$	$(\lambda_2 = 1.772)$
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

¹Example 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	PC2	PC3	PC1	PC2	PC1	PC2	
		($\lambda_1 = 3.713$)	($\lambda_2 = 1.295$)	($\lambda_3 = 0.732$)	($\lambda_1 = 3.61$)	($\lambda_2 = 1.643$)	($\lambda_1 = 3.55$)	($\lambda_2 = 1.714$)	
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.