Examples of generated LATEX tables

Nuno Fachada

August 4, 2016

Comp	Data		Out	puts	
Comp.	Data	out1	out2	out3	out4
	#PCs (95% var.)	5	3	7	10
	MNV (95% var.)	0.323	0.420	0.061	0.026
NLvsJOK	Par. test (PC1)	0.821	0.470	0.971	$\overline{0.473}$
	Non-par. test (PC1)	1.000	0.579	0.796	0.393
	PCS	<u></u>			<u></u>
	#PCs (95% var.)	3	2	4	2
	MNV (95% var.)	2e-09	0.032	<u>8e-07</u>	$\underline{6e-18}$
NLvsJNS	Par. test (PC1)	$\underline{3e-06}$	<u>0.009</u>	<u>0.001</u>	2e-18
	Non-par. test (PC1)	$\underline{1e-05}$	0.009	<u>0.001</u>	1e-05
	PCS	***		- 1)	
	#PCs (95% var.)	1	1	3	5
	MNV $(95\% \text{ var.})$	NA	NA	$\underline{3e-14}$	<u>5e-09</u>
NLvsJDIF	Par. test (PC1)	$\frac{7e-17}{}$	<u>7e-11</u>	$\underline{2e-15}$	<u>2e-09</u>
	Non-par. test (PC1)	<u>1e-05</u>	$\frac{1e-05}{}$	$\frac{1e-05}{}$	<u>1e-05</u>
	PCS	*. *.	******		***

Table 1 – Default table.

Comp.	Data		Outputs			
Comp.	Data	out1	out2	out3	out4	
	#PCs (95% var.)	5	3	7	10	
	MNV $(95\% \text{ var.})$	0.323	0.420	0.061	0.026	
NLvsJOK	Par. test (PC1)	0.821	0.470	0.971	0.473	
	Non-par. test (PC1)	1.000	0.579	0.796	0.393	
	PCS					
	#PCs (95% var.)	3	2	4	2	
	MNV (95% var.)	2e-09	0.032	8e-07	6e-18	
NLvsJNS	Par. test (PC1)	$\frac{1}{3e-06}$	0.009	0.001	$\frac{1}{2e-18}$	
	Non-par. test (PC1)	<u>1e-05</u>	0.009	0.001	<u>1e-05</u>	
	PCS			- 1)		
	#PCs (95% var.)	1	1	3	5	
	MNV (95% var.)	NA	NA	3e-14	5e-09	
NLvsJDIF	Par. test (PC1)	7e-17	<u>7e-11</u>	2e-15	2e-09	
	Non-par. test (PC1)	<u>1e-05</u>	<u>1e-05</u>	<u>1e-05</u>	1e-05	
	PCS	*. >.	, age	÷ :	***	

Table 2 – Booktabs.

```
toLatex(mic,
    booktabs = T, labels_cmp_show = F,
    caption = "No comparison label.")
```

Data		Outputs					
Data	out1	out2	out3	out4			
#PCs (95% var.)	5	3	7	10			
MNV $(95\% \text{ var.})$	0.323	0.420	0.061	0.026			
Par. test (PC1)	0.821	0.470	0.971	0.473			
Non-par. test (PC1)	1.000	0.579	0.796	0.393			
PCS							
#PCs (95% var.)	3	2	4	2			
MNV (95% var.)	<u>2e-09</u>	0.032	8e-07	$\underline{6e-18}$			
Par. test (PC1)	$\frac{1}{3e-06}$	0.009	0.001	2e-18			
Non-par. test (PC1)	<u>1e-05</u>	0.009	0.001	<u>1e-05</u>			
PCS	**		- 10	*			
#PCs (95% var.)	1	1	3	5			
MNV $(95\% \text{ var.})$	NA	NA	$\underline{3e-14}$	$\underline{5e-09}$			
Par. test (PC1)	$\frac{7e-17}{}$	$\frac{7e-11}{}$	$\underline{2e-15}$	2e-09			
Non-par. test (PC1)	$\frac{1e-05}{}$	$\underline{1e-05}$	$\frac{1e-05}{}$	$\frac{1e-05}{}$			
PCS	4. ×.		÷ :	***			

 ${\bf Table} \ {\bf 3} - {\rm No} \ {\rm comparison} \ {\rm label}.$

```
toLatex(mic,
    booktabs = T, labels_col_show = F,
    caption = "No data label.")
```

Comp.	Outputs				
comp.	out1	out2	out3	out4	
	5	3	7	10	
	0.323	0.420	0.061	0.026	
NLvsJOK	0.821	0.470	0.971	0.473	
	1.000	0.579	0.796	0.393	
	3	2	4	2	
	<u>2e-09</u>	0.032	<u>8e-07</u>	$\underline{6e-18}$	
NLvsJNS	$\underline{3e-06}$	<u>0.009</u>	<u>0.001</u>	$\underline{2e-18}$	
	1e-05	0.009	0.001	1e-05	
	**		- 10	3	
	1	1	3	5	
	NA	NA	$\underline{3e-14}$	$\underline{5e-09}$	
NLvsJDIF	$\frac{7e-17}{}$	<u>7e-11</u>	$\underline{2e-15}$	<u>2e-09</u>	
	$\frac{1e-05}{}$	1e-05	1e-05	<u>1e-05</u>	
	*. *		;	**:	

 ${\bf Table} \ {\bf 4} - {\rm No} \ {\rm data} \ {\rm label}.$

```
toLatex(mic,
     booktabs = T, labels_cmp_show = F, labels_col_show = F,
     caption = "No data and comparison labels.")
```

	Out	puts	
out1	out2	out3	out4
5	3	7	10
0.323	0.420	0.061	0.026
0.821	0.470	0.971	0.473
1.000	0.579	0.796	0.393
	· id·v.		
3	2	4	2
<u>2e-09</u>	0.032	<u>8e-07</u>	<u>6e-18</u>
<u>3e-06</u>	0.009	0.001	<u>2e-18</u>
1e-05	0.009	0.001	1e-05
	·	- 10	* :
1	1	3	5
NA	NA	3e-14	$\underline{5e-09}$
$\frac{7e-17}{}$	<u>7e-11</u>	2e-15	2e-09
<u>1e-05</u>	<u>1e-05</u>	<u>1e-05</u>	<u>1e-05</u>
*. *.	,	÷ :	***

 ${\bf Table}~{\bf 5}-{\rm No~data~and~comparison~labels}.$

Comparisons	What?		Ou	ts.	
Comparisons	winat:	out1	out2	out3	out4
	No. PCs	5	3	7	10
	MANOVA	0.323	0.420	0.061	0.026
NLvsJOK	t-test	0.821	0.470	0.971	0.473
	Mann-Whitney	1.000	0.579	0.796	0.393
	PC1 vs PC2	<u> </u>	· ·		
	No. PCs	3	2	4	2
	MANOVA	<u>2e-09</u>	0.032	<u>8e-07</u>	$\underline{6e-18}$
NLvsJNS	t-test	<u>3e-06</u>	0.009	0.001	2e-18
	Mann-Whitney	<u>1e-05</u>	0.009	0.001	1e-05
	PC1 vs PC2			- //	", '
	No. PCs	1	1	3	5
	MANOVA	NA	NA	$\underline{3e-14}$	<u>5e-09</u>
NLvsJDIF	t-test	$\frac{7e-17}{}$	<u>7e-11</u>	$\underline{2e-15}$	$\underline{2e-09}$
	Mann-Whitney	$\frac{1e-05}{}$	<u>1e-05</u>	$\frac{1e-05}{}$	<u>1e-05</u>
	PC1 vs PC2	*. *	. a sh. 		** :

 ${\bf Table}~{\bf 6}-{\rm Alternative~header~tags~and~data~labels.}$

Comp.	Data	out1	out2	out3	out4
	#PCs (95% var.)	5	3	7	10
	MNV (95% var.)	0.323	0.420	0.061	0.026
NLvsJOK	Par. test (PC1)	0.821	0.470	0.971	$\overline{0.473}$
	Non-par. test (PC1)	1.000	0.579	0.796	0.393
	PCS				<u></u>
	#PCs (95% var.)	3	2	4	2
	MNV $(95\% \text{ var.})$	2e-09	0.032	<u>8e-07</u>	$\underline{6e-18}$
NLvsJNS	Par. test (PC1)	<u>3e-06</u>	<u>0.009</u>	<u>0.001</u>	$\underline{2e-18}$
	Non-par. test (PC1)	$\underline{1e-05}$	<u>0.009</u>	<u>0.001</u>	1e-05
	PCS	*		- 17	"
	#PCs (95% var.)	1	1	3	5
	MNV $(95\% \text{ var.})$	NA	NA	$\underline{3e-14}$	$\underline{5e-09}$
NLvsJDIF	Par. test (PC1)	$\frac{7e-17}{}$	<u>7e-11</u>	2e-15	2e-09
	Non-par. test (PC1)	<u>1e-05</u>	<u>1e-05</u>	<u>1e-05</u>	<u>1e-05</u>
	PCS	*. *	· age.	÷ :	***

 ${\bf Table} \ {\bf 7} - {\rm Do} \ {\rm not} \ {\rm show} \ {\rm outputs} \ {\rm tag}.$

out1	out2	out3	out4
5	3	7	10
0.323	0.420	0.061	0.026
0.821	0.470	0.971	0.473
1.000	0.579	0.796	0.393
3	2	4	2
	$ \begin{array}{r} 0.032 \\ \hline 0.009 \\ \hline 0.009 \end{array} $	$\frac{8e-07}{0.001} \\ \underline{0.001}$	
		- ()	-
1	1	3	5
NA	NA	$\underline{3e-14}$	$\underline{5e-09}$
$\frac{7e-17}{1e-05}$	$\frac{7e-11}{1e-05}$	$\frac{2e-15}{1e-05}$	$\frac{2e-09}{1e-05}$
*. *.		÷.	**

 ${\bf Table~8} - {\rm No~data~and~comparison~labels~and~no~outputs~tag,~with~booktabs.}$

	D-+-	Outputs			
Comp.	Data	out1	out2	out3	out4
	Par. test (PC1)	0.821	0.470	0.971	0.473
	Par. test (PC2)	0.184	0.182	0.211	0.837
NLvsJOK	Par. test* (PC1)	1.000	0.535	1.000	1.000
NEVSJOIL	Par. test* (PC2)	0.818	1.000	0.763	1.000
	% var. (PC1)	65.7	87.9	55.4	39.2
	% var. (PC2)	22.4	5.1	27.6	23.8
	Par. test (PC1)	<u>3e-06</u>	0.009	0.001	<u>2e-18</u>
	Par. test (PC2)	0.044	0.700	<u>0.003</u>	0.799
NLvsJNS	Par. test* (PC1)	$\underline{5e-06}$	<u>0.010</u>	0.002	<u>2e-18</u>
MENSOND	Par. test* (PC2)	0.108	1.000	0.007	1.000
	% var. (PC1)	52.1	93.2	50.0	90.8
	% var. (PC2)	40.6	2.8	36.8	5.0
	Par. test (PC1)	$\frac{7e-17}{}$	<u>7e-11</u>	2e-15	<u>2e-09</u>
	Par. test (PC2)	0.668	0.458	0.976	0.592
NLvsJDIF	Par. test* (PC1)	<u>7e-17</u>	<u>7e-11</u>	<u>2e-15</u>	<u>2e-09</u>
NLVSJDIF	Par. test* (PC2)	1.000	1.000	1.000	1.000
	% var. (PC1)	97.9	98.8	78.4	85.6
	% var. (PC2)	1.4	0.6	14.6	3.6

 ${\bf Table} \ {\bf 9} - {\rm Different} \ {\rm types} \ {\rm of} \ {\rm data}, \ {\rm with} \ {\rm separators}.$

Comp.	Data	Outputs			
comp.	Data	out1	out2	out3	out4
	t-test 1	0.821	0.470	0.971	0.473
	t-test 2	0.184	0.182	0.211	0.837
NLvsJOK	t-test 1 (wb)	1.000	0.535	1.000	1.000
	t-test 2 (wb)	0.818	1.000	0.763	1.000
	Var 1	65.7	87.9	55.4	39.2
	Var 2	22.4	5.1	27.6	23.8
	t-test 1	<u>3e-06</u>	0.009	0.001	<u>2e-18</u>
	t-test 2	0.044	0.700	0.003	0.799
NLvsJNS	t-test 1 (wb)	<u>5e-06</u>	0.010	0.002	<u>2e-18</u>
	t-test 2 (wb)	0.108	1.000	0.007	1.000
	Var 1	52.1	93.2	50.0	90.8
	Var 2	40.6	2.8	36.8	5.0
	t-test 1	<u>7e-17</u>	<u>7e-11</u>	<u>2e-15</u>	<u>2e-09</u>
	t-test 2	0.668	0.458	0.976	0.592
NLvsJDIF	t-test 1 (wb)	<u>7e-17</u>	<u>7e-11</u>	<u>2e-15</u>	<u>2e-09</u>
	t-test 2 (wb)	1.000	1.000	1.000	1.000
	Var 1	97.9	98.8	78.4	85.6
	Var 2	1.4	0.6	14.6	3.6

 ${\bf Table}\ {\bf 10}-{\rm Different\ types\ of\ data,\ booktabs,\ custom\ data\ labels}.$

Comp	Outputa			Data		
Comp.	Outputs	NoPCs	MNV	t	MW	PCS
	out1	5	0.323	0.821	1.000	
NLvsJOK	out2	3	0.420	0.470	0.579	
	out3	7	0.061	0.971	0.796	<u></u>
	out4	10	$\underline{0.026}$	0.473	0.393	
	out1	3	<u>2e-09</u>	<u>3e-06</u>	<u>1e-05</u>	,
NLvsJNS	out2	2	0.032	<u>0.009</u>	0.009	
	out3	4	<u>8e-07</u>	<u>0.001</u>	<u>0.001</u>	
	out4	2	<u>6e-18</u>	$\frac{2e-18}{}$	<u>1e-05</u>	-
	out1	1	NA	<u>7e-17</u>	<u>1e-05</u>	*. ×.
NLvsJDIF	out2	1	NA	<u>7e-11</u>	<u>1e-05</u>	,
	out3	3	<u>3e-14</u>	$\frac{2e-15}{}$	<u>1e-05</u>	;
	out4	5	<u>5e-09</u>	<u>2e-09</u>	$\frac{1e-05}{}$	***

Table 11 – Transposed table with score plots and NA in one of the data labels (such that a default should be used).

Comp.	Outputs	Data				
comp.	O depaid	NoPCs	MNV	t	MW	
	out1	5	0.323	0.821	1.000	
NLvsJOK	out2	3	0.420	0.470	0.579	
NLVSJOK	out3	7	0.061	0.971	0.796	
	out4	10	0.026	0.473	0.393	
	out1	3	<u>2e-09</u>	<u>3e-06</u>	<u>1e-05</u>	
NLvsJNS	out2	2	0.032	0.009	<u>0.009</u>	
MEASTING	out3	4	<u>8e-07</u>	0.001	<u>0.001</u>	
	out4	2	<u>6e-18</u>	2e-18	<u>1e-05</u>	
	out1	1	NA	<u>7e-17</u>	<u>1e-05</u>	
NLvsJDIF	out2	1	NA	$\frac{7e-11}{}$	1e-05	
MEASODIL	out3	3	3e-14	2e-15	1e-05	
	out4	5	<u>5e-09</u>	2e-09	1e-05	

 ${\bf Table~12}-{\bf Transposed~table,~without~score~plots,~with~booktabs.}$

NoPCs	MNV	t	MW
5	0.323	0.821	1.000
3	0.420	0.470	0.579
7	0.061	0.971	0.796
10	0.026	0.473	0.393
3	<u><1e-06</u>	<u>3e-06</u>	<u>1e-05</u>
2	0.032	0.009	0.009
4	$\leq 1e-06$	0.001	0.001
2	$\leq 1e-06$	$\leq 1e-06$	1e-05
1	×	$\leq 1e-06$	<u>1e-05</u>
1	×	$\leq 1e-06$	1e-05
3	$\leq 1e-06$	$\leq 1e-06$	1e-05
5	<u><1e-06</u>	$\leq 1e-06$	$\underline{1e-05}$

 ${\bf Table~13}-{\bf Transposed~table:~without~score~plots,~with~booktabs,~custom~p-value~parameters.}$

Comp.	Outputs	Data					
comp.	Catputs	$\overline{t_1}$	t_2	t_1*	t_2*	$ V_1 $	V_2
NLvsJOK	out1	0.821	0.184	1.000	0.818	65.7	22.4
	out2	0.470	0.182	0.535	1.000	87.9	5.1
	out3	0.971	0.211	1.000	0.763	55.4	27.6
	out4	0.473	0.837	1.000	1.000	39.2	23.8
NLvsJNS	out1	<u>3e-06</u>	0.044	<u>5e-06</u>	0.108	52.1	40.6
	out2	0.009	0.700	0.010	1.000	93.2	2.8
	out3	0.001	0.003	0.002	0.007	50.0	36.8
	out4	<u>2e-18</u>	0.799	<u>2e-18</u>	1.000	90.8	5.0
NLvsJDIF	out1	<u>7e-17</u>	0.668	<u>7e-17</u>	1.000	97.9	1.4
	out2	<u>7e-11</u>	0.458	<u>7e-11</u>	1.000	98.8	0.6
	out3	2e-15	0.976	<u>2e-15</u>	1.000	78.4	14.6
	out4	<u>2e-09</u>	0.592	<u>2e-09</u>	1.000	85.6	3.6

 ${\bf Table~14} - {\bf Transposed~table,~different~types~of~data,~booktabs,~custom~data~labels.}$

Outputs	NoPCs	MNV	t	MW	Scores
out1	5	0.323	0.821	1.000	

 ${\bf Table~15}-{\bf Table~with~a~single~cmpoutput~object}.$