Examples of generated LATEX tables

Nuno Fachada

August 20, 2023

Comp	Data		Out	puts	
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	$\overline{0.473}$
	Non-par. test (PC1)	1.000	0.579	0.796	0.393
	PCS		· · · · ·	· · · ·	<u></u>
	#PCs (95% var.)	3	2	4	2
	MNV (95% var.)	$\underline{2e-09}$	0.032	8e-07	$\underline{6e-18}$
NLvsJNS	Par. test (PC1)	$\underline{3e-06}$	0.009	<u>0.001</u>	2e-18
	Non-par. test (PC1)	1e-05	0.009	0.001	1e-05
	PCS	**	·		-
	#PCs (95% var.)	1	1	3	5
	MNV (95% var.)	NA	NA	$\underline{3e-14}$	$\underline{5e-09}$
NLvsJDIF	Par. test (PC1)	$\frac{7e-17}{}$	<u>7e-11</u>	$\underline{2e-15}$	2e-09
	Non-par. test (PC1)	<u>1e-05</u>	$\frac{1e-05}{}$	$\frac{1e-05}{}$	$\frac{1e-05}{}$
	PCS	*. *	- 	÷ ::	** :

 ${\bf Table} \ {\bf 1} - {\bf Default \ table}.$

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	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% var.)	2e-09	0.032	8e-07	$\underline{6e-18}$
NLvsJNS	Par. test (PC1)	$\overline{3e-06}$	0.009	0.001	$\frac{1}{2e-18}$
	Non-par. test (PC1)	<u>1e-05</u>	0.009	0.001	1e-05
	PCS			- '1)	-
	#PCs (95% var.)	1	1	3	5
	MNV (95% var.)	NA	NA	3e-14	5e-09
NLvsJDIF	Par. test (PC1)	7e-17	7e-11	2e-15	2e-09
	Non-par. test (PC1)	1e-05	<u>1e-05</u>	<u>1e-05</u>	<u>1e-05</u>
	PCS	*. *.	, age , , m		** :

Table 2 – Booktabs.

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

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

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

```
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		
	2e-09	0.032	<u>8e-07</u>	<u>6e-18</u>		
NLvsJNS	<u>3e-06</u>	0.009	0.001	<u>2e-18</u>		
	$\underline{1e-05}$	<u>0.009</u>	0.001	$\underline{1e-05}$		
		· •	- 11	", "		
	1	1	3	5		
	NA	NA	$\underline{3e-14}$	$\underline{5e-09}$		
NLvsJDIF	$\frac{7e-17}{}$	<u>7e-11</u>	$\underline{2e-15}$	$\underline{2e-09}$		
	$\underline{1e-05}$	1e-05	$\underline{1e-05}$	1e-05		
	*. *.	- agh - yens	÷:	*** 		

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

```
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
3	2	4	2
2e-09	0.032	8e-07	<u>6e-18</u>
$\underline{3e-06}$	0.009	0.001	2e-18
$\underline{1e-05}$	0.009	0.001	1e-05
	·	·	", ",
1	1	3	5
NA	NA	$\underline{3e-14}$	$\underline{5e-09}$
<u>7e-17</u>	<u>7e-11</u>	2e-15	<u>2e-09</u>
<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	its.	
Comparisons	wilat:	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	$\underline{2e-09}$	0.032	8e-07	$\underline{6e-18}$
NLvsJNS	t-test	$\underline{3e-06}$	<u>0.009</u>	<u>0.001</u>	2e-18
	Mann-Whitney	1e-05	0.009	0.001	1e-05
	PC1 vs PC2		·	- //	", '
	No. PCs	1	1	3	5
	MANOVA	NA	NA	$\underline{3e-14}$	$\underline{5e-09}$
NLvsJDIF	t-test	$\frac{7e-17}{}$	<u>7e-11</u>	$\underline{2e-15}$	$\underline{2e-09}$
	Mann-Whitney	$\frac{1e-05}{1}$	$\frac{1e-05}{1}$	$\frac{1e-05}{}$	<u>1e-05</u>
	PC1 vs PC2	*. *	- 		***

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

	D				
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	<u>, 1</u>			
	#PCs (95% var.)	3	2	4	2
	MNV $(95\% \text{ var.})$	2e-09	0.032	8e-07	$\underline{6e-18}$
NLvsJNS	Par. test (PC1)	$\overline{3e-06}$	0.009	0.001	2e-18
	Non-par. test (PC1)	<u>1e-05</u>	0.009	0.001	<u>1e-05</u>
	PCS				-
	#PCs (95% var.)	1	1	3	5
	MNV (95% var.)	NA	NA	3e-14	$\underline{5e-09}$
NLvsJDIF	Par. test (PC1)	<u>7e-17</u>	<u>7e-11</u>	<u>2e-15</u>	2e-09
	Non-par. test (PC1)	<u>1e-05</u>	<u>1e-05</u>	<u>1e-05</u>	<u>1e-05</u>
	PCS	*.	 		***

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

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
$\frac{2e-09}{3e-06} = \frac{1e-05}{1}$	$\frac{0.032}{0.009} \\ \underline{0.009}$	$\frac{8e-07}{0.001}$ 0.001	$\frac{\underline{6e-18}}{\underline{2e-18}}$ $\underline{1e-05}$
		***	", "
1	1	3	5
NA	NA	$\underline{3e-14}$	$\underline{5e-09}$
$\frac{7e-17}{1e-05}$	$\frac{7e-11}{1e-05}$	$\frac{2e-15}{1e-05}$	$\frac{2e-09}{1e-05}$
*. *.	, ,	** • **	**. 4.

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

	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
NLVSJOR	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)	3e-06	0.009	0.001	<u>2e-18</u>
	Par. test (PC2)	0.044	0.700	0.003	0.799
NLvsJNS	Par. test* (PC1)	<u>5e-06</u>	0.010	0.002	<u>2e-18</u>
MEASOND	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)	<u>7e-17</u>	<u>7e-11</u>	<u>2e-15</u>	<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>
	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

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

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.	Outputs			Data		
	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	
	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	<u>0.009</u>	<u>0.009</u>	
	out3	4	<u>8e-07</u>	<u>0.001</u>	<u>0.001</u>	- 10
	out4	2	<u>6e-18</u>	<u>2e-18</u>	<u>1e-05</u>	-
	out1	1	NA	<u>7e-17</u>	<u>1e-05</u>	٠. >.
NLvsJDIF	out2	1	NA	<u>7e-11</u>	1e-05	, ,
	out3	3	<u>3e-14</u>	$\underline{2e-15}$	<u>1e-05</u>	; :::
	out4	5	<u>5e-09</u>	<u>2e-09</u>	$\frac{1e-05}{}$	***

 $\textbf{Table 11} - \textbf{Transposed table with score plots and NA in one of the data labels (such that a default should be used).$

Comp.	Outputs	Data				
comp.	Outputs	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	<u>0.009</u>	<u>0.009</u>	
MENSONS	out3	4	8e-07	<u>0.001</u>	<u>0.001</u>	
	out4	2	<u>6e-18</u>	<u>2e-18</u>	<u>1e-05</u>	
	out1	1	NA	<u>7e-17</u>	<u>1e-05</u>	
NLvsJDIF	out2	1	NA	<u>7e-11</u>	1e-05	
MEASODIL	out3	3	$\underline{3e-14}$	2e-15	1e-05	
	out4	5	<u>5e-09</u>	<u>2e-09</u>	<u>1e-05</u>	

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

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	<1e-06	<u>3e-06</u>	<u>1e-05</u>
2	0.032	0.009	0.009
4	$\leq 1e-06$	0.001	0.001
2	$\leq 1e-06$	$\leq 1e-06$	<u>1e-05</u>
1	×	<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>	<u><1e-06</u>	<u>1e-05</u>

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

Comp.	Outputs	Data					
		$\overline{t_1}$	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	7e-11	0.458	7e-11	1.000	98.8	0.6
	out3	2e-15	0.976	2e-15	1.000	78.4	14.6
	out4	2e-09	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	

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