Examples of generated LATEX tables

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| 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 | |

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