Tables in Word Test

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library(pander)  
library(knitr)  
set.seed(555)  
n <- 50  
num.col <- 10  
mdat <- matrix(rnorm(n), ncol = num.col, byrow = TRUE,  
 dimnames = list(paste0("Row", 1:(n / num.col)),  
 paste0("Col", 1:num.col)))

The first table uses kable(), which gives an output with awkward spacing as it tries to fit the table without separations

kable(mdat, caption = "Table 1")

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Col1 | Col2 | Col3 | Col4 | Col5 | Col6 | Col7 | Col8 | Col9 | Col10 |
| Row1 | -0.3298603 | 0.5036464 | 0.3743696 | 1.8886198 | -1.7799027 | 0.8856311 | -0.1567727 | 1.3645548 | 0.0366369 | 0.6185299 |
| Row2 | -0.2786976 | -0.6672086 | -0.9991794 | -0.8522199 | -0.6753029 | -0.0815381 | 0.2606158 | -0.7694350 | -1.4439145 | 0.5107890 |
| Row3 | 0.6968691 | 0.4600055 | -1.1605868 | 1.2769394 | -1.0582312 | 0.0421945 | 0.6735016 | -0.0928704 | -0.1970258 | 1.4412670 |
| Row4 | -0.2061707 | -0.2999478 | 0.2647773 | -0.2500022 | -0.2982656 | 0.1783030 | -0.4479721 | 0.5642396 | -0.5944965 | -0.9716871 |
| Row5 | 2.2144018 | 1.4206105 | 0.8867350 | -0.3680124 | -0.9067016 | 0.3306568 | 0.3919775 | -0.3361379 | 2.2580280 | -3.1255014 |

Table 1

The second table uses pander(), and the formatting is OK, but the columns get split.

pander(mdat, caption = "Table 2")

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Col1 | Col2 | Col3 | Col4 | Col5 |
| **Row1** | -0.3299 | 0.5036 | 0.3744 | 1.889 | -1.78 |
| **Row2** | -0.2787 | -0.6672 | -0.9992 | -0.8522 | -0.6753 |
| **Row3** | 0.6969 | 0.46 | -1.161 | 1.277 | -1.058 |
| **Row4** | -0.2062 | -0.2999 | 0.2648 | -0.25 | -0.2983 |
| **Row5** | 2.214 | 1.421 | 0.8867 | -0.368 | -0.9067 |

Table 2 (continued below)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Col6 | Col7 | Col8 | Col9 | Col10 |
| **Row1** | 0.8856 | -0.1568 | 1.365 | 0.03664 | 0.6185 |
| **Row2** | -0.08154 | 0.2606 | -0.7694 | -1.444 | 0.5108 |
| **Row3** | 0.04219 | 0.6735 | -0.09287 | -0.197 | 1.441 |
| **Row4** | 0.1783 | -0.448 | 0.5642 | -0.5945 | -0.9717 |
| **Row5** | 0.3307 | 0.392 | -0.3361 | 2.258 | -3.126 |

The third table uses pander() again but now we specify **not** to split the table, and also round the values. Note also that this chunk needs the option results='asis'.

pander(mdat, caption = "Table 3", split.table = Inf, round = 2)

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Col1 | Col2 | Col3 | Col4 | Col5 | Col6 | Col7 | Col8 | Col9 | Col10 |
| **Row1** | -0.33 | 0.5 | 0.37 | 1.89 | -1.78 | 0.89 | -0.16 | 1.36 | 0.04 | 0.62 |
| **Row2** | -0.28 | -0.67 | -1 | -0.85 | -0.68 | -0.08 | 0.26 | -0.77 | -1.44 | 0.51 |
| **Row3** | 0.7 | 0.46 | -1.16 | 1.28 | -1.06 | 0.04 | 0.67 | -0.09 | -0.2 | 1.44 |
| **Row4** | -0.21 | -0.3 | 0.26 | -0.25 | -0.3 | 0.18 | -0.45 | 0.56 | -0.59 | -0.97 |
| **Row5** | 2.21 | 1.42 | 0.89 | -0.37 | -0.91 | 0.33 | 0.39 | -0.34 | 2.26 | -3.13 |

Table 3

There's a clever workaround from [Stack Overflow](http://stackoverflow.com/questions/30866999/how-to-emphasize-column-names-header-when-using-pandoc-in-r) showing how to **bold** the column headers (which isn't provided in pander because the header automatically gets highlighted by the thicker separating line in the table). The last table does this:

colnames(mdat) <- pandoc.strong.return(colnames(mdat))  
pander(mdat, caption = "Table 4", split.table = Inf, round = 2)

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Col1** | **Col2** | **Col3** | **Col4** | **Col5** | **Col6** | **Col7** | **Col8** | **Col9** | **Col10** |
| **Row1** | -0.33 | 0.5 | 0.37 | 1.89 | -1.78 | 0.89 | -0.16 | 1.36 | 0.04 | 0.62 |
| **Row2** | -0.28 | -0.67 | -1 | -0.85 | -0.68 | -0.08 | 0.26 | -0.77 | -1.44 | 0.51 |
| **Row3** | 0.7 | 0.46 | -1.16 | 1.28 | -1.06 | 0.04 | 0.67 | -0.09 | -0.2 | 1.44 |
| **Row4** | -0.21 | -0.3 | 0.26 | -0.25 | -0.3 | 0.18 | -0.45 | 0.56 | -0.59 | -0.97 |
| **Row5** | 2.21 | 1.42 | 0.89 | -0.37 | -0.91 | 0.33 | 0.39 | -0.34 | 2.26 | -3.13 |

Table 4