

Table with Footnotes

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Attempting to create a LaTeX table with good footnotes. I need the table to be generated using an existing R package for generating LaTeX tables from R code.

Create the table

```
library(pander)

# an arbitrary example of a simple data frame
df <- data.frame("col.one" = c(1.1, 9.9, 2.3), "col.two" = c(4, 7, 8))
rownames(df) <- c("A", "B", "C")
```

When we create a table using R code there are several packages we can use generate the markdown and then the LaTeX code to create footnotes. We want our table to look like this.

	col.one	col.two
A	1.1	1.4
B	9.9	1.4
C	2.3	1.3

The pander package

```
# default print of the tabel  
pander(df)
```

	col.one	col.two
A	1.1	4
B	9.9	7
C	2.3	8

The xtable package

```
library(xtable)  
  
df_table <- xtable(df,label='tabbig', caption='Example of longtable')  
names(df_table)[1] <- paste("col one",'footnote')  
print(df_table, tabular.environment = 'longtable', floating=FALSE,  
      sanitize.text.function = function(str) gsub("footnote","\\footnote{my tricky footnote !!}", str, 1))
```

% latex table generated in R 3.1.2 by xtable 1.7-4 package % Mon Nov 17 13:35:29 2014

	col one ¹	col.two
A	1.10	4.00
B	9.90	7.00
C	2.30	8.00

Table 3: Example of longtable

¹my tricky footnote !!