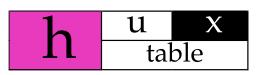
# Introduction to Huxtable

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# Introduction

#### About this document

This is the introductory vignette for the R package 'huxtable', version 3.0.0. A current version is available on the web in HTML or PDF format.

#### Huxtable

Huxtable is a package for creating *text tables*. It is powerful, but easy to use. It is meant to be a replacement for packages like xtable, which is useful but not always very user-friendly. Huxtable's features include:

- Export to LaTeX, HTML, Word and Markdown
- Easy integration with knitr and rmarkdown documents
- Multirow and multicolumn cells
- Fine-grained control over cell background, spacing, alignment, size and borders
- Control over text font, style, size, colour, alignment, number format and rotation
- Table manipulation using standard R subsetting, or dplyr functions like filter and select
- Easy conditional formatting based on table contents
- Quick table themes
- Automatic creation of regression output tables with the huxreg function

We will cover all of these features below.

### Installation

If you haven't already installed huxtable, you can do so from the R command line:

```
install.packages('huxtable')
```

# Getting started

A huxtable is a way of representing a table of text data in R. You already know that R can represent a table of data in a data frame. For example, if mydata is a data frame, then mydata[1, 2] represents the data in row 1, column 2, and mydata\$start\_time is all the data in the column called start\_time.

A huxtable is just a data frame with some extra properties. So, if myhux is a huxtable, then myhux[1, 2] represents the data in row 1 column 2, as before. But this cell will also have some other properties - for example, the font size of the text, or the colour of the cell border.

To create a table with huxtable, use the function huxtable, or hux for short. This works very much like data.frame.

If you already have your data in a data frame, you can convert it to a huxtable with as\_hux.

```
data(mtcars)
car_ht <- as_hux(mtcars)</pre>
```

If you look at a huxtable in R, it will print out a simple representation of the data. Notice that we've added the column names to the data frame itself, using the add\_colnames argument to hux. We're going to print them out, so they need to be part of the actual table. **NB:** This means that row 1 of your data will be row 2 of the huxtable, and the column names of your data will be the new row 1.

```
print_screen(ht)
```

```
## Employee Salary
## John Smith 5e+04
## Jane Doe 5e+04
## David Hugh-Jones 4e+04
##
## Column names: Employee, Salary
```

To print a huxtable out using LaTeX or HTML, just call print\_latex or print\_html. In knitr documents, like this one, you can simply evaluate the hux. It will know what format to print itself in.

ht

Employee	Salary
John Smith	5e + 04
Jane Doe	5e + 04
David Hugh-Jones	4e + 04

# Changing the look and feel

# Huxtable properties

The default output is a very plain table. Let's make it a bit smarter. We'll make the table headings bold, draw a line under the header row, right-align the second column, and add some horizontal space to the cells.

To do this, we need to set cell level properties. You set properties by assigning to the property name, just as you assign names(x) <- new\_names in base R. The following commands assign the value 10 to the right\_padding and left\_padding properties, for all cells in ht:

```
right_padding(ht) <- 10
left_padding(ht) <- 10</pre>
```

Similarly, we can set the number\_format property to change how numbers are displayed in cells:

```
number_format(ht) <- 2  # 2 decimal places</pre>
```

To assign properties to just some cells, you use subsetting, just as in base R. So, to make the first row of the table **bold** and give it a bottom border, we do:

```
bold(ht)[1,] <- TRUE
bottom_border(ht)[1,] <- 1</pre>
```

And to right-align the second column, we do:

```
align(ht)[,2] <- 'right'</pre>
```

We can also specify a column by name:

```
align(ht)[,'Salary'] <- 'right'</pre>
```

After these changes, our table looks smarter:

Employee	Salary
John Smith	50000.00
Jane Doe	50000.00
David Hugh-Jones	40000.00

So far, all these properties have been set at cell level. Different cells can have different alignment, text formatting and so on. By contrast, caption is a table-level property. It only takes one value, which sets a table caption.

```
caption(ht) <- 'Employee table'
ht</pre>
```

Table 1: Employee table

Employee	Salary
John Smith	50000.00
Jane Doe	50000.00
David Hugh-Jones	40000.00

As well as cell properties and table properties, there is also one row property, row heights, and one column property, column widths.

The table below shows a complete list of properties. Most properties work the same for LaTeX and HTML, though there are some exceptions.

Table 2: Huxtable properties

Cell Text	Cell	Row	Column	Table
bold	align	row_height	col_width	caption
escape_contents	background_color			caption_pos
font	$bottom\_border$			height
font	$bottom\_border\_color$			label
$font\_size$	bottom_padding			latex_float
italic	colspan			position
na_string	left_border			tabular_environment
number_format	$left\_border\_color$			width
pad_decimal	left_padding			
rotation	$\operatorname{right\_border}$			
$text\_color$	$right\_border\_color$			
wrap	$\operatorname{right\_padding}$			
	rowspan			
	$top\_border$			
	$top\_border\_color$			
	$top\_padding$			
	valign			

## Pipe style syntax

If you prefer to use the magrittr pipe operator (%>%), then you can use set\_\* functions. These have the same name as the property, with set\_ prepended. They return the modified huxtable, so you can chain them together like this:

```
library(dplyr)
hux(
                     = c('John Smith', 'Jane Doe', 'David Hugh-Jones'),
        Employee
        Salary
                     = c(50000, 50000, 40000),
        add_colnames = TRUE
                                       %>%
      set_bold(1, 1:2, TRUE)
      set bottom border(1, 1:2, 1)
                                       %>%
      set_align(1:4, 2, 'right')
                                       %>%
      set_right_padding(10)
                                       %>%
      set_left_padding(10)
                                       %>%
      set_caption('Employee table')
```

Table 3: Employee table

Employee	Salary
John Smith	5e+04
Jane Doe	5e + 04
David Hugh-Jones	4e + 04

set\_\* functions for cell properties are called like this: set\_xxx(ht, row, col, value) or like this:
set\_xxx(ht, value). If you use the second form, then the value is set for all cells. set\_\* functions
for table properties are always called like set\_xxx(ht, value). We'll learn more about this interface in a
moment.

There are also four useful convenience functions:

- set all borders sets left, right, top and bottom borders for selected cells;
- set all border colors sets left, right, top and bottom border colors;
- set\_all\_padding sets left, right, top and bottom padding (the amount of space between the content and the border);
- set\_outer\_borders sets the outer borders of a square group of cells.

# Getting properties

To get the current properties of a huxtable, just use the properties function without the left arrow:

```
italic(ht)
```

```
## Employee Salary
## 1 FALSE FALSE
## 2 FALSE FALSE
## 3 FALSE FALSE
## 4 FALSE FALSE
position(ht)
```

```
## [1] "center"
```

As before, you can use subsetting to get particular rows or columns:

```
bottom_border(ht)[1:2,]
```

```
## Employee Salary
## 1 1 1
## 2 0 0
```

```
bold(ht)[,'Salary']

## 1 2 3 4

## TRUE FALSE FALSE
```

# Editing content

### Standard subsetting

You can subset, sort and generally data-wrangle a huxtable just like a normal data frame. Cell and table properties will be carried over into subsets.

Car	mpg	$\operatorname{cyl}$	am
Datsun 710	22.8	4	1
Merc 240D	24.4	4	0
Merc 230	22.8	4	0
Fiat 128	32.4	4	1

## Using dplyr with huxtable

You can also use dplyr functions:

```
car_ht <- car_ht
     huxtable::add_rownames(colname = 'Car')
                                                            %>%
      slice(1:10)
                                                            %>%
      select(Car, mpg, cyl, hp)
                                                            %>%
      arrange(hp)
                                                            %>%
      filter(cyl > 4)
                                                           %>%
      rename (MPG = mpg, Cylinders = cyl, Horsepower = hp) %>%
      mutate(kml = MPG/2.82)
car_ht <- car_ht
                                                %>%
      set_number_format(1:7, 'kml', 2)
                                                %>%
      set_col_width(c(.35, .15, .15, .15, .2)) %>%
      set_width(.6)
                                                %>%
      huxtable::add_colnames()
car_ht
```

Car	MPG	Cylinders	Horsepower	$\operatorname{kml}$
Valiant	18.1	6	105	6.42
Mazda RX 4	21	6	110	7.45
Mazda RX 4 Wag	21	6	110	7.45
Hornet 4 Drive	21.4	6	110	7.59
Merc 280	19.2	6	123	6.81
Hornet Sportabout	18.7	8	175	6.63
Duster 360	14.3	8	245	5.07

In general it is a good idea to prepare your data first, before styling it. For example, it was easier to sort the cars\_mpg data by cylinder, before adding column names to the data frame itself.

### Functions to insert rows, columns and footnotes

Huxtable has three convenience functions for adding a row or column to your table: insert\_row, insert\_column and add\_footnote.

insert\_row and insert\_column let you add a single row or column. The after parameter specifies where in the table to do the insertion, i.e. after what row or column number.

add\_footnote adds a single row at the bottom, which spans the whole table and has a border above.

```
ht <- insert_row(ht, 'Hadley Wickham', '100000', after = 3)
ht <- add_footnote(ht, 'DHJ deserves a pay rise')
ht</pre>
```

Table 4: Employee table

Employee	Salary
John Smith	50000.00
Jane Doe	50000.00
Hadley Wickham	100000.00
David Hugh-Jones	40000.00

DHJ deserves a pay rise

# More formatting

#### Number format

You can change how huxtable formats numbers using number\_format. Set number\_format to a number of decimal places (for more advanced options, see the help files). This affects all numbers, or number-like substrings within your cells.

```
pointy_ht <- hux(c('Do not pad this.', 11.003, 300, 12.02, '12.1 **'))
pointy_ht <- set_all_borders(pointy_ht, 1)
width(pointy_ht) <- .2

number_format(pointy_ht) <- 3
pointy_ht</pre>
```

Do not pad this.
11.003
300.000
12.020
12.100 **

You can also align columns by decimal places. If you want to do this for a cell, just set the pad\_decimal property to '.' (or whatever you use for a decimal point).

```
pad_decimal(pointy_ht)[2:5, ] <- '.' # not the first row
align(pointy_ht) <- 'right'
pointy_ht</pre>
```

Do not pad this.
11.003
300.000
12.020
12.100 **

There is currently no true way to align cells by the decimal point in HTML, and only limited possibilities in TeX, so pad\_decimal works by right-padding cells with spaces. The output may look better if you use a fixed width font.

# Escaping HTML or LaTeX

By default, HTML or LaTeX code will be escaped:

```
code_ht <- if (is_latex) hux(c('Some maths', '$a^b$')) else
    hux(c('Copyright symbol', '&copy;'))
code_ht</pre>
```

Some maths \$a^b\$

To avoid this, set the escape\_contents property to FALSE.

```
escape_contents(code_ht)[2, 1] <- FALSE
code_ht</pre>
```

Some maths  $a^b$ 

# Width and cell wrapping

You can set table widths using the width property, and column widths using the col\_width property. If you use numbers for these, they will be interpreted as proportions of the table width (or for width, a proportion of the width of the surrounding text). If you use character vectors, they must be valid CSS or LaTeX widths. The only unit both systems have in common is pt for points.

```
width(ht) <- 0.35
col_width(ht) <- c(.7, .3)
ht</pre>
```

Table 5: Employee table

Employee	Salary
John Smith	50000.00
Jane Doe	50000.00
Hadley Wickham	100000.00
David Hugh-Jones	40000.00

DHJ deserves a pay rise

It is best to set table width explicitly, then set column widths as proportions.

By default, if a cell contains long contents, it will be stretched. Use the wrap property to allow cell contents to wrap over multiple lines:

```
ht_wrapped <- ht
ht_wrapped[5, 1] <- 'David Arthur Shrimpton Hugh-Jones'
wrap(ht_wrapped) <- TRUE
ht_wrapped</pre>
```

Table 6: Employee table

Employee	Salary
John Smith	50000.00
Jane Doe	50000.00
Hadley Wickham	100000.00
David Arthur Shrimpton Hugh-Jones	40000.00
Trughi-Jones	40000.00

DHJ deserves a pay rise

## Adding row and column names

Just like data frames, huxtables can have row and column names. Often, we want to add these to the final table. You can do this using either the add\_colnames/add\_rownames arguments to as\_huxtable, or the

add\_colnames()/add\_rownames() functions. (Note that earlier versions of dplyr used to have functions with the same name.)

```
as_hux(mtcars[1:4, 1:4])
                                                     %>%
      huxtable::add_rownames(colname = 'Car name') %>%
      huxtable::add_colnames()
                         Car name
                                            mpg
                                                    cyl
                                                          disp
                                                                  hp
                         Mazda RX 4
                                            21
                                                    6
                                                          160
                                                                  110
                         Mazda RX 4 Wag
                                            21
                                                    6
                                                          160
                                                                  110
                         Datsun 710
                                            22.8
                                                    4
                                                          108
                                                                  93
                         Hornet 4 Drive
                                                    6
                                                          258
                                                                  110
                                            21.4
```

# Column and row spans

Huxtable cells can span multiple rows or columns, using the colspan and rowspan properties.

```
cars_mpg <- cbind(car_type = rep("", nrow(cars_mpg)), cars_mpg)</pre>
cars_mpg$car_type[1] <- 'Four cylinders'</pre>
cars_mpg$car_type[13] <- 'Six cylinders'</pre>
cars_mpg$car_type[20] <- 'Eight cylinders'</pre>
rowspan(cars_mpg)[1, 1] <- 12</pre>
rowspan(cars_mpg)[13, 1] <- 7</pre>
rowspan(cars_mpg)[20, 1] <- 14</pre>
cars_mpg <- rbind(c('', 'List of cars', '', '', ''), cars_mpg)</pre>
colspan(cars_mpg)[1, 2] <- 4</pre>
align(cars_mpg)[1, 2] <- 'center'</pre>
# a little more formatting:
cars_mpg <- set_all_padding(cars_mpg, 2)</pre>
cars_mpg <- set_all_borders(cars_mpg, 1)</pre>
valign(cars_mpg)[1,] <- 'top'</pre>
col_width(cars_mpg) <- c(.4 , .3 , .1, .1, .1)</pre>
number_format(cars_mpg)[, 4:5] <- 0</pre>
bold(cars_mpg)[1:2, ] <- TRUE</pre>
bold(cars_mpg)[, 1] <- TRUE</pre>
if (is_latex) font_size(cars_mpg) <- 10</pre>
cars_mpg
```

	List of cars				
	Car	mpg	cyl	am	
	Datsun 710	22.8	4	1	
	Merc 240D	24.4	4	0	
	Merc 230	22.8	4	0	
	Fiat 128	32.4	4	1	
l	Honda Civic	30.4	4	1	
Four cylinders	Toyota Corolla	33.9	4	1	
	Toyota Corona	21.5	4	0	
	Fiat X 1-9	27.3	4	1	
	Porsche 914-2	26	4	1	
	Lotus Europa	30.4	4	1	
	Volvo 142E	21.4	4	1	
	Mazda RX 4	21	6	1	
	Mazda RX 4 Wag	21	6	1	
	Hornet 4 Drive	21.4	6	0	
Six cylinders	Valiant	18.1	6	0	
	Merc 280	19.2	6	0	
	Merc 280C	17.8	6	0	
	Ferrari Dino	19.7	6	1	
	Hornet Sportabout	18.7	8	0	
	Duster 360	14.3	8	0	
	Merc 450SE	16.4	8	0	
	Merc 450SL	17.3	8	0	
	Merc 450SLC	15.2	8	0	
	Cadillac Fleetwood	10.4	8	0	
	Lincoln Continental	10.4	8	0	
Eight cylinders	Chrysler Imperial	14.7	8	0	
	Dodge Challenger	15.5	8	0	
	AMC Javelin	15.2	8	0	
	Camaro Z 28	13.3	8	0	
	Pontiac Firebird	19.2	8	0	
	Ford Pantera L	15.8	8	1	
	Maserati Bora	15	8	1	

# Quick themes

Huxtable comes with some predefined themes for formatting.

```
theme_striped(cars_mpg[14:20,], stripe = 'bisque1', header_col = FALSE, header_row = FALSE)
```

	Mazda RX 4	21	6	1
	Mazda RX 4 Wag	21	6	1
	Hornet 4 Drive	21.4	6	0
Six cylinders	Valiant	18.1	6	0
	Merc 280	19.2	6	0
	Merc 280C	17.8	6	0
	Ferrari Dino	19.7	6	1

# Selecting rows, columns and cells

#### Row and column functions

If you use the set\_\* style functions, huxtable has some convenience functions for selecting rows and columns.

To select all rows, or all columns, use everywhere in the row or column specification. To select just even or odd-numbered rows or columns, use evens or odds. To select the last n rows or columns, use final(n). To select every nth row, use every(n) and to do this starting from row m use every(n, from = m).

With these functions it is easy to add striped backgrounds to tables:

Car	MPG	Cylinders	Horsepower	kml
Valiant	18.1	6	105	6.42
Mazda RX 4	21	6	110	7.45
Mazda RX 4 Wag	21	6	110	7.45
Hornet 4 Drive	21.4	6	110	7.59
Merc 280	19.2	6	123	6.81
Hornet Sportabout	18.7	8	175	6.63
Duster 360	14.3	8	245	5.07

Of course you could also just do 1:nrow(car\_ht), but, in the middle of a dplyr pipe, you may not know exactly how many rows or columns you have. Also, these functions make your code easy to read.

You can also use dplyr functions like starts\_with(), contains(), and matches() to specify column by column name. For a full list of these functions, see ?select\_helpers.

```
car_ht %>% set_background_color(everywhere, starts_with('C'), 'orange')
```

Car	MPG	Cylinders	Horsepower	kml
Valiant	18.1	6	105	6.42
Mazda RX 4	21	6	110	7.45
Mazda RX 4 Wag	21	6	110	7.45
Hornet 4 Drive	21.4	6	110	7.59
Merc 280	19.2	6	123	6.81
Hornet Sportabout	18.7	8	175	6.63
Duster 360	14.3	8	245	5.07

```
car_ht %>% set_italic(everywhere, matches('[aeiou]'), TRUE)
```

Car	MPG	Cylinders	Horsepower	kml
Valiant	18.1	6	105	6.42
Mazda RX 4	21	6	110	7.45
Mazda RX 4 Wag	21	6	110	7.45
Hornet 4 Drive	21.4	6	110	7.59
Merc 280	19.2	6	123	6.81
$Hornet\ Sportabout$	18.7	8	175	6.63
Duster 360	14.3	8	245	5.07

Note that unlike in dplyr's select function, you have to specify rows as well as columns.

Lastly, remember that you can set a property for every cell by simply omitting the row and col arguments, like this: set\_background\_color(ht, 'orange').

## Conditional formatting

You may want to apply conditional formatting to cells, based on their contents. Suppose we want to display a table of correlations, and to highlight ones which are significant. We can use the where() function to select those cells.

```
library(psych)
data(attitude)
att_corr <- corr.test(as.matrix(attitude))</pre>
att_hux <- as_hux(att_corr$r)</pre>
                                                                             %>%
      # selects cells with p < 0.05:
      set_background_color(where(att_corr$p < 0.05), 'yellow')</pre>
                                                                             %>%
      # selects cells with p < 0.01:
      set_background_color(where(att_corr$p < 0.01), 'orange')</pre>
                                                                             %>%
      set_text_color(where(row(att_corr$r) == col(att_corr$r)), 'grey')
att_hux <- att_hux</pre>
                                                                             %>%
      huxtable::add_rownames()
                                                                             %>%
      huxtable::add_colnames()
                                                                             %>%
      set_caption('Correlations in attitudes among 30 departments')
                                                                             %>%
      set_bold(1, everywhere, TRUE)
                                                                             %>%
      set bold(everywhere, 1, TRUE)
                                                                             %>%
                                                                             %>%
      set_all_borders(1)
      set_number_format(2)
                                                                             %>%
      set_position('left')
att_hux
```

Table 7: Correlations in attitudes among 30 departments

rownames	rating	complaints	privileges	learning	raises	critical	advance
rating	1.00	0.83	0.43	0.62	0.59	0.16	0.16
complaints	0.83	1.00	0.56	0.60	0.67	0.19	0.22
privileges	0.43	0.56	1.00	0.49	0.45	0.15	0.34
learning	0.62	0.60	0.49	1.00	0.64	0.12	0.53
raises	0.59	0.67	0.45	0.64	1.00	0.38	0.57
critical	0.16	0.19	0.15	0.12	0.38	1.00	0.28
advance	0.16	0.22	0.34	0.53	0.57	0.28	1.00

We have now seen three ways to call **set\_\*** functions in huxtable:

- With four arguments, like set\_property(hux\_object, rows, cols, value);
- With two arguments, like set\_property(hux\_object, value) to set a property everywhere;
- With three arguments, like set\_property(hux\_object, where(condition), value) to set a property
  for specific cells.

The second argument of the three-argument version must return a 2-column matrix. Each row of the matrix gives one cell. where() does this for you: it takes a logical matrix argument and returns the rows and columns where a condition is TRUE. It's easiest to show this with an example:

```
m <- matrix(c('dog', 'cat', 'dog', 'dog', 'cat', 'cat', 'cat', 'dog'), 4, 2)</pre>
        [,1] [,2]
##
## [1,] "dog" "cat"
## [2,] "cat" "cat"
## [3,] "dog" "cat"
## [4,] "dog" "dog"
where(m == 'dog') # m is equal to 'dog' in cells (1, 1), (3, 1), (4, 1) and (4, 2):
##
        row col
## [1,]
          1
              1
## [2,]
              1
          3
## [3,]
          4
              1
## [4,]
```

set\_\* functions have one more optional argument, the byrow argument, which is FALSE by default. If you set
a single pattern for many cells, you may want the pattern to fill the matrix by column or by row. The default
fills the pattern in going down columns. If you set byrow = TRUE, the pattern goes across rows instead. (This
is a bit confusing: typically, byrow = TRUE means that the columns will all look the same. But it works the
same way as the byrow argument to matrix().)

	text	text	text	text	text	text
text		text	text	text	text	text
text	text		text	text	text	text
text	text	text		text	text	text
text	text	text	text		text	text
$\operatorname{text}$	text	text	text	text		text
text	text	text	text	$\operatorname{text}$	text	

# Creating a regression table

A common task for scientists is to create a table of regressions. The function huxreg does this for you. Here's a quick example:

```
data(diamonds, package = 'ggplot2')

lm1 <- lm(price ~ carat, diamonds)

lm2 <- lm(price ~ depth, diamonds)

lm3 <- lm(price ~ carat + depth, diamonds)

huxreg(lm1, lm2, lm3)</pre>
```

	(1)	(2)	(3)
(Intercept)	-2256.361 ***	5763.668 ***	4045.333 ***
	(13.055)	(740.556)	(286.205)
carat	7756.426 ***		7765.141 ***
	(14.067)		(14.009)
$\operatorname{depth}$		-29.650 *	-102.165 ***
		(11.990)	(4.635)
N	53940	53940	53940
R 2	0.849	0.000	0.851
logLik	-472730.266	-523772.431	-472488.441
AIC	945466.532	1047550.862	944984.882

<sup>\*\*\*</sup> p < 0.001; \*\* p < 0.01; \* p < 0.05.

For more information see the huxreg vignette, available online in HTML or PDF or in R via vignette('huxreg').

# Output to different formats

If you use knitr and rmarkdown in RStudio, huxtable objects should automatically display in the appropriate format (HTML or LaTeX). You need to have some LaTeX packages installed for huxtable to work. To find out what these are, you can call report\_latex\_dependencies(). This will print out and/or return a set of usepackage{...} statements. If you use Sweave or knitr without rmarkdown, you can use this function in your LaTeX preamble to load the packages you need.

Rmarkdown exports to Word via Markdown. You can use huxtable to do this, but since Markdown tables are rather basic, a lot of formatting will be lost. If you want to create Word or Powerpoint documents directly, install the flextable package from CRAN. You can then convert your huxtable objects to flextable objects and include them in Word or Powerpoint documents. Almost all formatting should work. See the flextable and officer documentation and ?as\_flextable for more details.

Similarly, to create formatted reports in Excel, install the openxlsx package. You can then use as\_Workbook to convert your huxtables to Workbook objects, and save them using openxlsx::saveWorkbook.

Sometimes you may want to select how huxtable objects are printed by default. For example, in an RStudio notebook (a .Rmd document with output\_format = html\_notebook), huxtable can't automatically work out what format to use, as of the time of writing. You can set it manually using options(huxtable.print = print notebook) which prints out HTML in an appropriate format.

Lastly, you can print a huxtable on screen using print\_screen. Borders, column and row spans and cell alignment are shown. If the crayon package is installed, and your terminal or R IDE supports it, border, text and background colours are also displayed.

#### print\_screen(ht)

```
##
             Employee table
##
     Employee
                             Salary
##
##
     John Smith
                           50000.00
##
     Jane Doe
                          50000.00
     Hadley Wickham
                          100000.00
##
     David Hugh-Jones
                           40000.00
##
##
##
     DHJ deserves a pay rise
##
## Column names: Employee, Salary
```

If you need to output to another format, file an issue request on Github.

# Quick output commands

Sometimes you quickly want to get your data into a Word, HTML or PDF document. To do this you can use the quick\_docx, quick\_html, quick\_pdf and quick\_xlsx functions. These are called with one or more huxtable objects, or objects which can be turned into a huxtable such as data frames. A new document of the appropriate type will be created. By default the file will be in the current directory under the name e.g. huxtable-output.pdf. If the file already exists, you'll be asked to confirm the overwrite. For non-interactive use, you must specify a filename yourself explicitly – this keeps you from accidentally trashing your files.

```
quick_pdf(mtcars)
quick_pdf(mtcars, file = 'motorcars data.pdf')
```

## End matter

For more information, see the website or github.