

# Quick guide to functionality

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## Basic Usage:

```
ht_orig <- huxtable(a = letters[1:5], b = 10 ^ sample(1:5))
ht_orig$b <- formatC(ht_orig$b, format = 'f', digits = 0)
width(ht_orig) <- 0.25
ht_orig <- set_all_borders(ht_orig, 1:nrow(ht_orig), 1:ncol(ht_orig), 1)
ht_orig
```

a	100000
b	10
c	10000
d	100
e	1000

## Table Position:

```
ht <- ht_orig
position(ht) <- 'left'
ht
```

a	100000
b	10
c	10000
d	100
e	1000

## Replace NAs:

```
ht <- ht_orig
ht[2,1] <- NA
ht
```

a	100000
	10
c	10000
d	100
e	1000

```
na_string(ht) <- '--'
ht
```

a	100000
–	10
c	10000
d	100
e	1000

## Cell Alignment:

```
ht <- ht_orig
align(ht)[,1] <- 'left'
ht
```

a	100000
b	10
c	10000
d	100
e	1000

## Vertical Alignment:

```
ht <- ht_orig
valign(ht)[,1] <- 'top'
ht
```

a	100000
b	10
c	10000
d	100
e	1000

## Column Span:

```
ht <- ht_orig
colspan(ht)[1,1] <- 2
ht
```

## Row Span:

```
ht <- ht_orig
ht[1,1] <- 'A rather long block of text'
rowspan(ht)[1,1] <- 2
ht
```

a	
b	10
c	10000
d	100
e	1000

b	100000
	10
c	10000
d	100
e	1000

## Row and Column Span:

```
ht <- ht_orig
ht[1,1] <- 'A rather long block of text'
rowspan(ht)[1,1] <- 2
colspan(ht)[1,1] <- 2
ht
```

b	
c	10000
d	100
e	1000

## Table width:

```
ht <- ht_orig
width(ht) <- 0.5
ht
```

## Column width:

```
ht <- ht_orig
col_width(ht) <- c(.8, .2)
ht
```

## Borders:

```
ht <- ht_orig
ht <- set_all_borders(ht, 1:5, 1:2, 0)
top_border(ht) <- c(2, 0, 0, 0, 1)
bottom_border(ht)[5,] <- 2
ht
```

a	100000
b	10
c	10000
d	100
e	1000

a	100000
b	10
c	10000
d	100
e	1000

## Text color, bold, italic, font size

```
ht <- ht_orig
text_color(ht)[,2] <- 'red'
bold(ht)[1,] <- TRUE
italic(ht)[3,] <- TRUE
font_size(ht)[2,] <- 14
ht
```

## Background color:

```
ht <- ht_orig
background_color(ht)[1,1] <- 'green'
background_color(ht)[,2] <- rgb(.4, .7, .6)
ht
```

## Background color, multirow:

```
ht <- ht_orig
background_color(ht)[1,1] <- 'green'
rowspan(ht)[1,1] <- 2
ht
```

## Background color, multicolumn:

```
ht <- ht_orig
background_color(ht)[1,1] <- 'green'
colspan(ht)[1,1] <- 2
ht
```

a	100000
b	10
c	10000
d	100
e	1000

a	100000
b	10
c	10000
d	100
e	1000

## Background color, multicolumn and multirow:

```
ht <- ht_orig
background_color(ht)[1,1] <- 'green'
colspan(ht)[1,1] <- 2
rowspan(ht)[1,1] <- 2
ht
```

## Caption:

```
ht <- ht_orig
caption(ht) <- 'A simple table'
ht
```

## Caption below:

```
ht <- ht_orig
caption(ht) <- 'A simple table'
caption_pos(ht) <- 'bottom'
ht
```

a	100000
b	10
c	10000
d	100
e	1000

b	100000
	10
c	10000
d	100
e	1000

a	
b	10
c	10000
d	100
e	1000

b	
c	10000
d	100
e	1000

Table 1: A simple table

a	100000
b	10
c	10000
d	100
e	1000

a	100000
b	10
c	10000
d	100
e	1000

Table 2: A simple table