



## || I || Quick Start || I || III

Make sequential identifier codes with custom string:

Prefix

```
IDcodes
1 exampl e005
2 exampl e006
3 exampl e007
4 exampl e008
5 exampl e009
6 exampl e010
```

```
IDcodes <- uni qID_maker(string = "example",
                          level = 5:10,
                          digits = 3)
```

Make hierarchical IDs:

Prefix for level      Start Number      End Number

```
IDcodes
1 a1-b1-c1
2 a1-b1-c2
3 a1-b2-c1
4 a1-b2-c2
5 a2-b1-c1
6 a2-b1-c2
7 a2-b2-c1
8 a2-b2-c2
9 a3-b1-c1
10 a3-b1-c2
11 a3-b2-c1
12 a3-b2-c2
```

```
level_one <- c("a", 1, 3)
level_two <- c("b", 1, 2)
level_three <- c("c", 1, 2)
hier_list <- list(level_one, level_two,
                  level_three)
```

```
IDcodes <- uni qID_hi er_maker(hi erarchy =
                               hier_list, di gi ts=1)
```

Make PDF with QR barcodes from IDcodes:

```
IDcodes<- uni qID_maker(stri ng=" exampl e", di gi ts=1, l evel =1: 2)
create_PDF(Label s=IDcodes, name=" exampl e_pdf")
```



example1



example2

## || I || User Interaction || I || III

All functions can be run interactively by specifying `user=T`

**uni qID\_maker (user=T)**

Prompts will guide user through options in the console.

**Alternatively, access run from the 'Addins' menu in RStudio**

## || I || Options || I || III

**uni qID\_maker () :**

**user:** run in interactive mode (T/F)

**string:** prefix for ID codes, ("ABC", "Pop1", "1")

**level:** sequence for ID codes (1:3, c(1,3,5:8), 100:0)

**digits:** number of digits (string1, string01, string001 ...)

**uni qID\_hi er\_maker () :**

**user:** run in interactive mode (T/F)

**hierarchy:** list of levels containing c("string", start, end)

**end:** string to append as **suffix** (string01-01-**suffix**)

**digits:** number of digits (string1, string01, string001 ...)

**create\_pdf () :**

**user:** run in interactive mode (T/F)

**Labels:** one column vector or data frame of ID codes

**name:** name of output PDF file

**ErrCorr:** error correction level; one of L, M, Q, and H

**Fsz:** font size, between 2.2 and 4.7

# II II baRcodeR I II III – Advanced PDF Output Options

Advanced options in `create_PDF()` allow customized layouts.

Default layout is for 1.75" x 1/2" WEATHER RESISTANT LABEL for 8.5" x 11" laser printer (80 labels/sheet).  
Item # S-19297 (uline.ca or uline.com)

## Printing Options

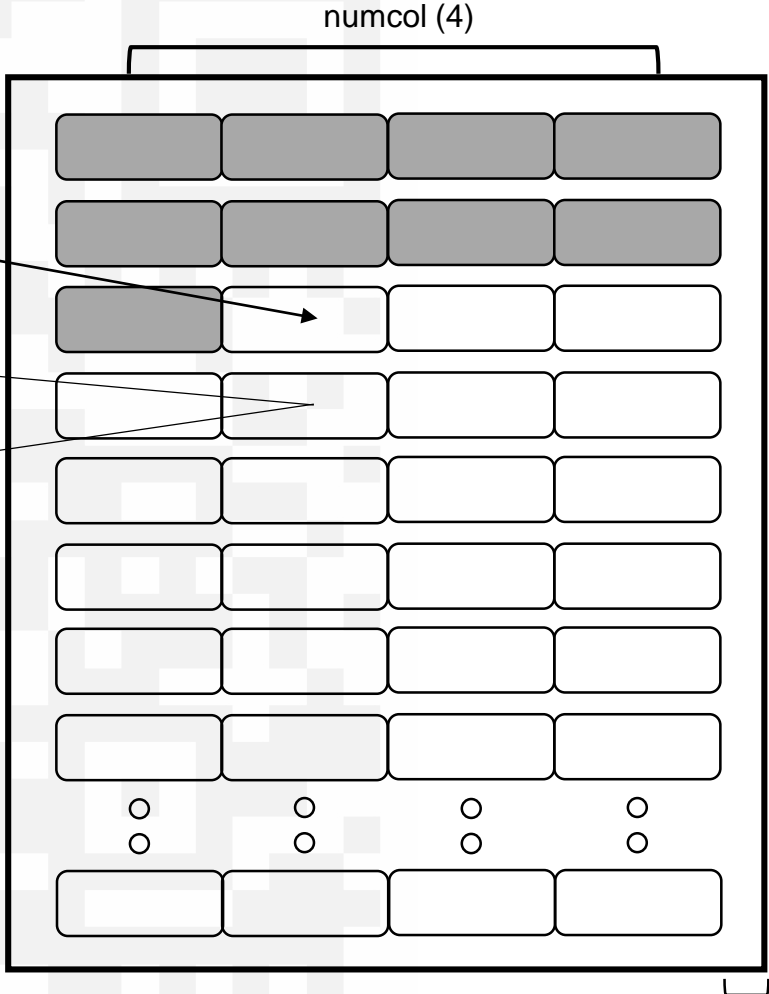
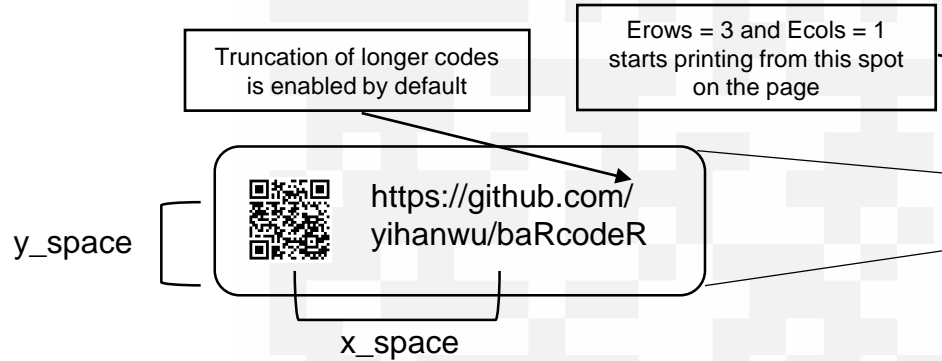
**Across:** Print across rows (T), or print down columns (F)

**Erows:** Which row to start printing on

**Ecols:** Which column to start printing on

**trunc:** Break long ID codes into multiple lines (T/F)

0.5\* height\_margin  
(= 0.5" / 2)



## Page Layout Options

**numrow:** number of rows on page (default 20)

**numcol:** number of columns on page (default 4)

**height\_margin:** space added above and below labels

**width\_margin:** space added to left and right of labels

**x\_space:** value between 190 and 250, determines distance between midpoint of barcode and text

**y\_space:** value between 95 and 215, determines the position of the text relative to the bottom of the label

**IMPORTANT:** When printing from PDF, use the option “actual size” rather than “fit to page” and do not use “image aliasing” or “save ink” options.