

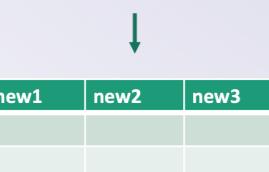
# Clean ecological data collected from quadrats with quadcleanR

CHEAT SHEET & PACKAGE BY DOMINIQUE MAUCIERI



## Clean

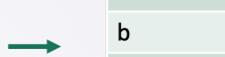
data			labelset	
from	to		from	to
name1	new1		name1	new1
name2	new2		name2	new2
name3	new3		name3	new3



**change\_names**(data, labelset, from, to) Using a new data frame of labels, change column names in one function.

```
change_names(data, labelset, "from", "to")
```

data	
col1	col2
a	one
b	two
a	three
b	two
a	one

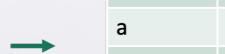


col1	col2
a	1
b	2
a	3
b	2
a	1

**change\_values**(data, column, from, to) Using two vectors, change the values in one column to a new set of values.

```
change_values(data, "col2", c("one", "two", "three"),
c("1", "2", "3"))
```

data	
col1	col2
a	1_1
b	1_2
a	2_2
b	1_2
a	2_1

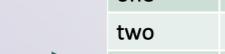


col1	col2
b	1_2
a	2_2
b	1_2

**keep\_rm**(data, values, select, keep = TRUE, drop\_levels = TRUE, exact = TRUE, colname) Using a character, or part of character select rows or columns of the data frame to either keep or remove.

```
keep_rm(data, "_1", select = "row", keep = FALSE,
drop_levels = TRUE, exact = FALSE, "col2")
```

data	
col1	col2
one.jpg	
two.jpg	
three.jpg	
four.jpg	
five.jpg	



col1	col2
one	
two	
three	
four	
five	

**rm\_chr**(data, rm, full\_selection = TRUE, cols) Parts of characters can be removed based on a vector of removal characters.

```
rm_chr(data, rm = ".jpg", full_selection = FALSE,
cols = "col1")
```

data		
col1	col2	col3
4	7	5
0	6	4



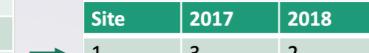
col1_2	col3
11	5
6	4

**sum\_cols**(data, from, to) Select columns and attach a vector of their new names, then columns with matching names will have each row summed.

```
sum_cols(data, from = c("col1", "col2", "col3"),
to = c("col1_2", "col1_2", "col3"))
```

## Assess

data		
Year	Site	Quadrat
2017	1	1
2017	1	2
2017	1	3
2017	2	1
2017	2	2
2018	1	1
2018	1	2
2018	2	1
2018	2	2



Site	2017	2018
1	3	2
2	2	2

**sample\_size**(data, dim\_1, dim\_2, count) Specify which columns to use to produce a table with sample sizes.

```
sample_size(data, dim_1 = "Year", dim_2 = "Site",
count = "Quadrat")
```

## Add

data		add	
ID	count	ID	Temp
2017	5	2019	12
2019	2	2018	14
2017	5	2017	17
2018	1		

ID	Avg_Temp	count
2017	17	5
2019	12	2
2017	17	5
2018	14	1

**add\_data**(data, add, cols, data\_id, add\_id, number = FALSE) Using key identifying columns, add additional columns to an existing data frame.

```
add_data(data, add, cols = "Temp", data_id = "ID",
add_id = "Avg_Temp", number = 2)
```

data		category	
ID	count	ID	Summer
May	5	May	No
June	2	June	Yes
July	5	July	Yes
August	1	August	Yes

data		
Year	Row	Column
2017	100	37
2017	34	100
2017	88	28
2017	93	25
2017	78	16
2018	45	100
2018	100	2
2018	27	73
2018	93	03

data			
ID	SP1	SP2	Blurry
2017	4	5	7