

# Zooplankton in lakes

## Markdown!! a way to make live documents

R Notebooks can be a way to do a lot of live documents including presentations, word documents, pdf files, and even web pages.

## Making tables

Today we will use it to make some simple tables

## Now to make a table of the data we have

all from: [https://cran.r-project.org/web/packages/kableExtra/vignettes/awesome\\_table\\_in\\_html.html](https://cran.r-project.org/web/packages/kableExtra/vignettes/awesome_table_in_html.html)

This is the long summary table

So that sort of sucks and not the best - how can we reformat

So here is the wide table

site	year	month	species	mean_count
N2 Cont	1985	7	bosmina	1.8550000
N2 Cont	1985	7	c_scutt	3.8362500
N2 Cont	1985	7	d_long	4.3437500
N2 Cont	1985	7	d_midd	0.0087500
N2 Cont	1985	7	d_prib	NaN
N2 Cont	1985	7	heter	0.0000000
N2 Cont	1985	7	holo	NaN
N2 Cont	1985	7	p_ped	12.1787500
N2 Cont	1985	8	bosmina	2.4725000
N2 Cont	1985	8	c_scutt	1.1725000
N2 Cont	1985	8	d_long	14.7600000
N2 Cont	1985	8	d_midd	0.0000000
N2 Cont	1985	8	d_prib	NaN
N2 Cont	1985	8	heter	0.0000000
N2 Cont	1985	8	holo	NaN
N2 Cont	1985	8	p_ped	15.3525000
N2 Fert	1985	7	bosmina	1.0200000
N2 Fert	1985	7	c_scutt	4.0875000
N2 Fert	1985	7	d_long	7.1200000
N2 Fert	1985	7	d_midd	0.0000000
N2 Fert	1985	7	d_prib	NaN
N2 Fert	1985	7	heter	0.0000000
N2 Fert	1985	7	holo	NaN
N2 Fert	1985	7	p_ped	18.7375000
N2 Fert	1985	8	bosmina	3.9850000
N2 Fert	1985	8	c_scutt	4.5575000
N2 Fert	1985	8	d_long	24.3800000
N2 Fert	1985	8	d_midd	0.0000000
N2 Fert	1985	8	d_prib	NaN
N2 Fert	1985	8	heter	0.0000000
N2 Fert	1985	8	holo	NaN
N2 Fert	1985	8	p_ped	12.8775000
Toolik	1985	7	bosmina	0.1900000
Toolik	1985	7	c_scutt	6.2272222
Toolik	1985	7	d_long	0.2772222
Toolik	1985	7	d_midd	0.0938889
Toolik	1985	7	d_prib	NaN
Toolik	1985	7	heter	0.1294444
Toolik	1985	7	holo	NaN
Toolik	1985	7	p_ped	5.4055556
Toolik	1985	8	bosmina	0.0425000
Toolik	1985	8	c_scutt	5.3775000
Toolik	1985	8	d_long	0.0550000
Toolik	1985	8	d_midd	0.0425000
Toolik	1985	8	d_prib	NaN
Toolik	1985	8	heter	0.0612500
Toolik	1985	8	holo	NaN
Toolik	1985	8	p_ped	0.9725000

site	year	month	bosmina	c_scutt	d_long	d_midd	d_prib	heter	holo	p_ped
N2 Cont	1985	7	1.8550	3.836250	4.3437500	0.0087500	NaN	0.0000000	NaN	12.178750
N2 Cont	1985	8	2.4725	1.172500	14.7600000	0.0000000	NaN	0.0000000	NaN	15.352500
N2 Fert	1985	7	1.0200	4.087500	7.1200000	0.0000000	NaN	0.0000000	NaN	18.737500
N2 Fert	1985	8	3.9850	4.557500	24.3800000	0.0000000	NaN	0.0000000	NaN	12.877500
Toolik	1985	7	0.1900	6.227222	0.2772222	0.0938889	NaN	0.1294444	NaN	5.405556
Toolik	1985	8	0.0425	5.377500	0.0550000	0.0425000	NaN	0.0612500	NaN	0.972500