

# chronicle Showcase

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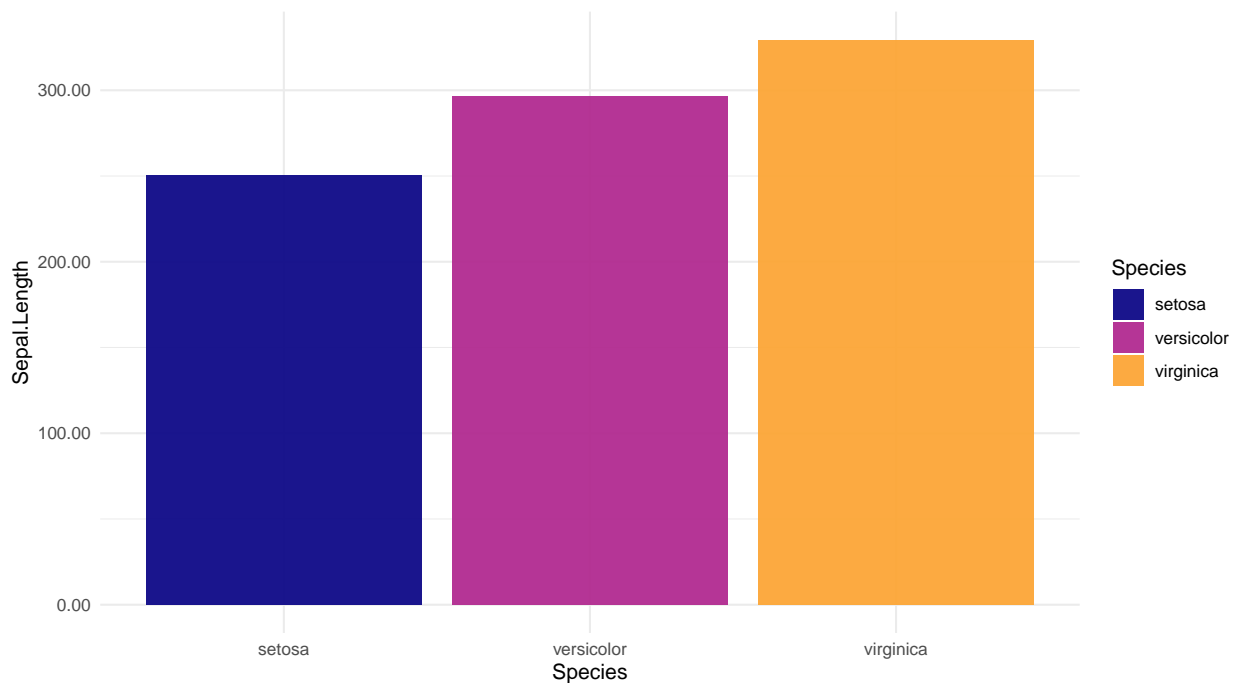
## This is how a chronicle report looks

This is a showcase of the outputs possible with the {chronicle} R package. For a complete how-to, please refer to the package's github page.

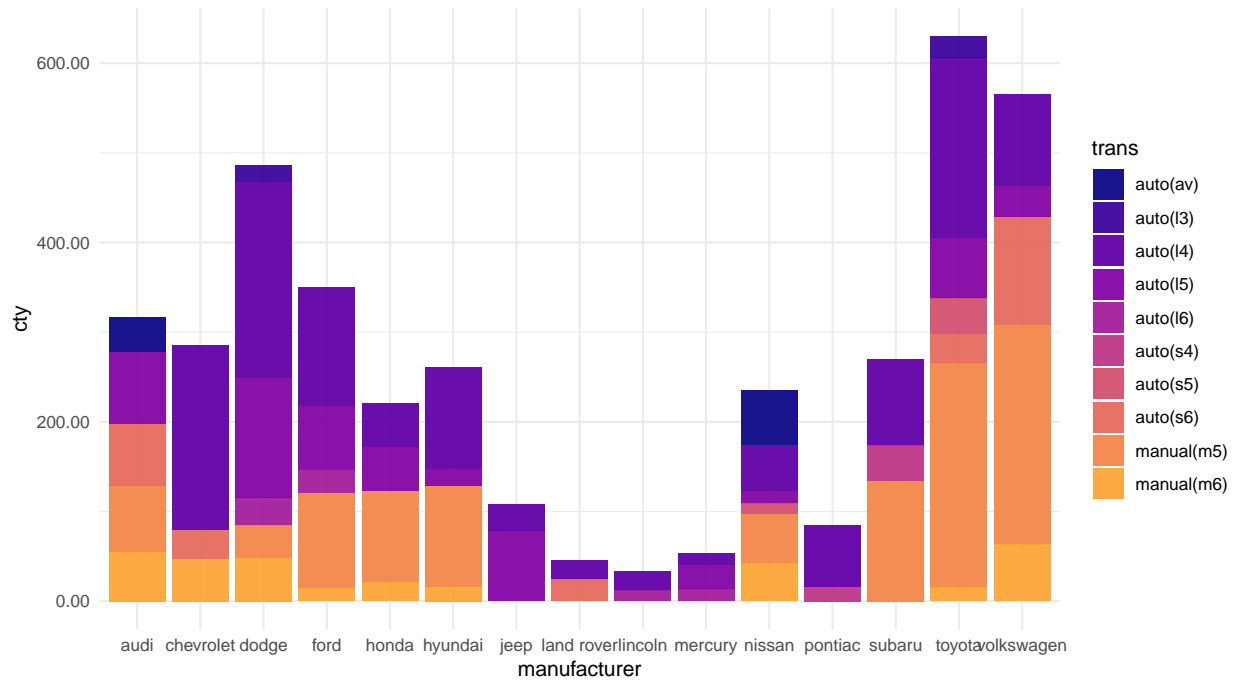
## Barplots

```
chronicle::add_barplot()
```

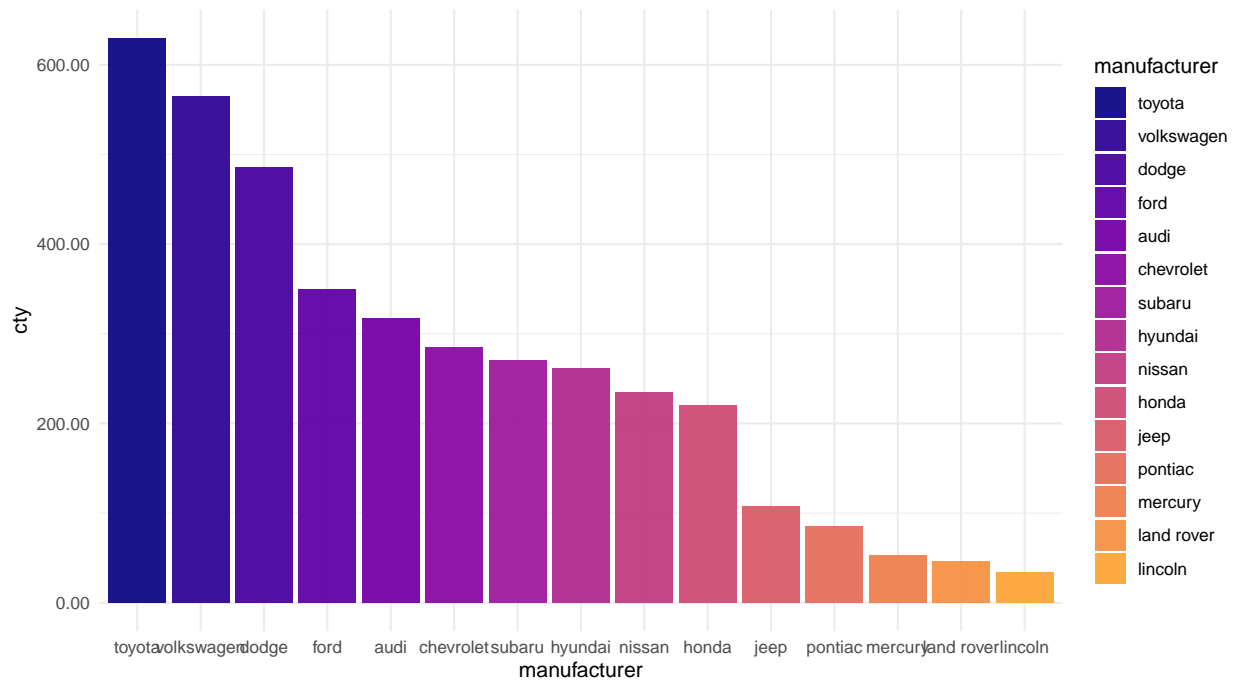
### Simple bar plot



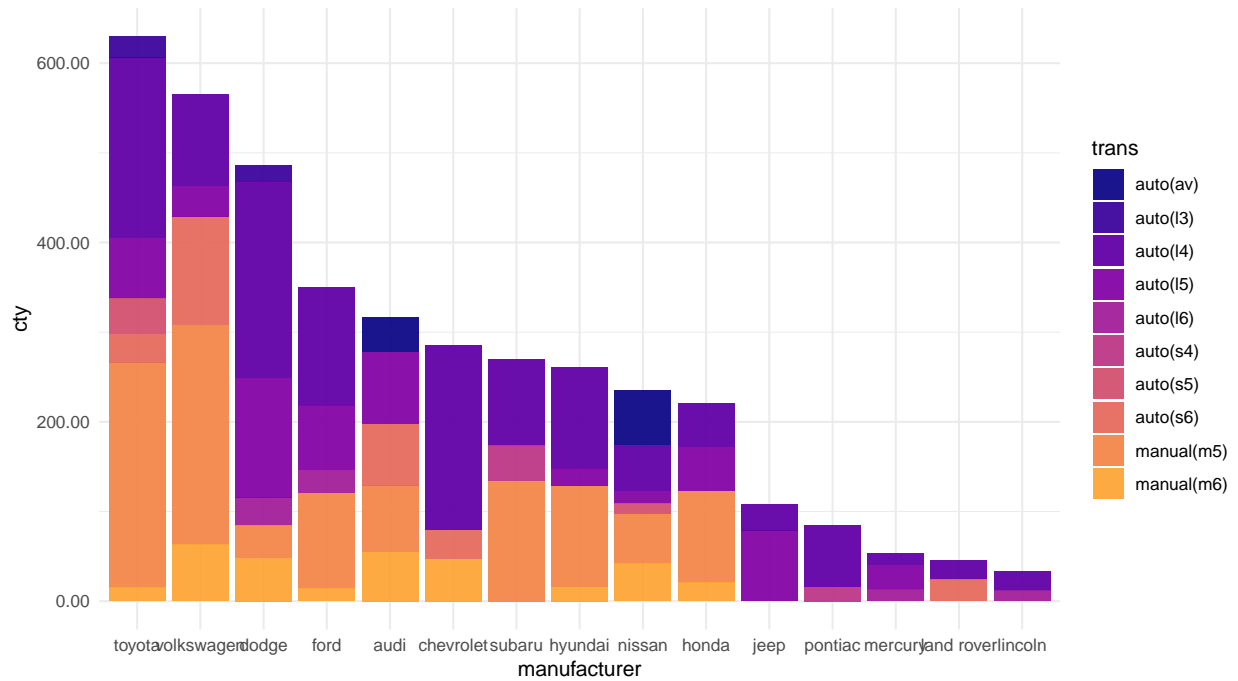
## Bars broken by other group



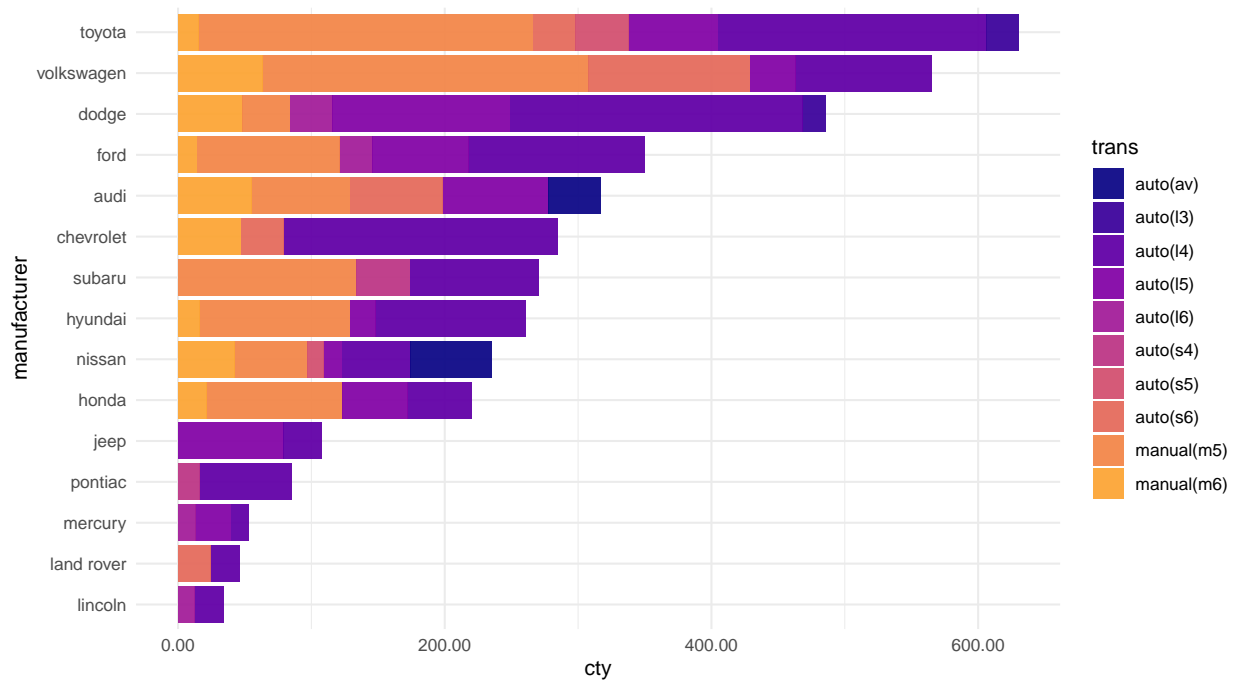
## Bars sorted by value



## Bars sorted by value and broken by another column



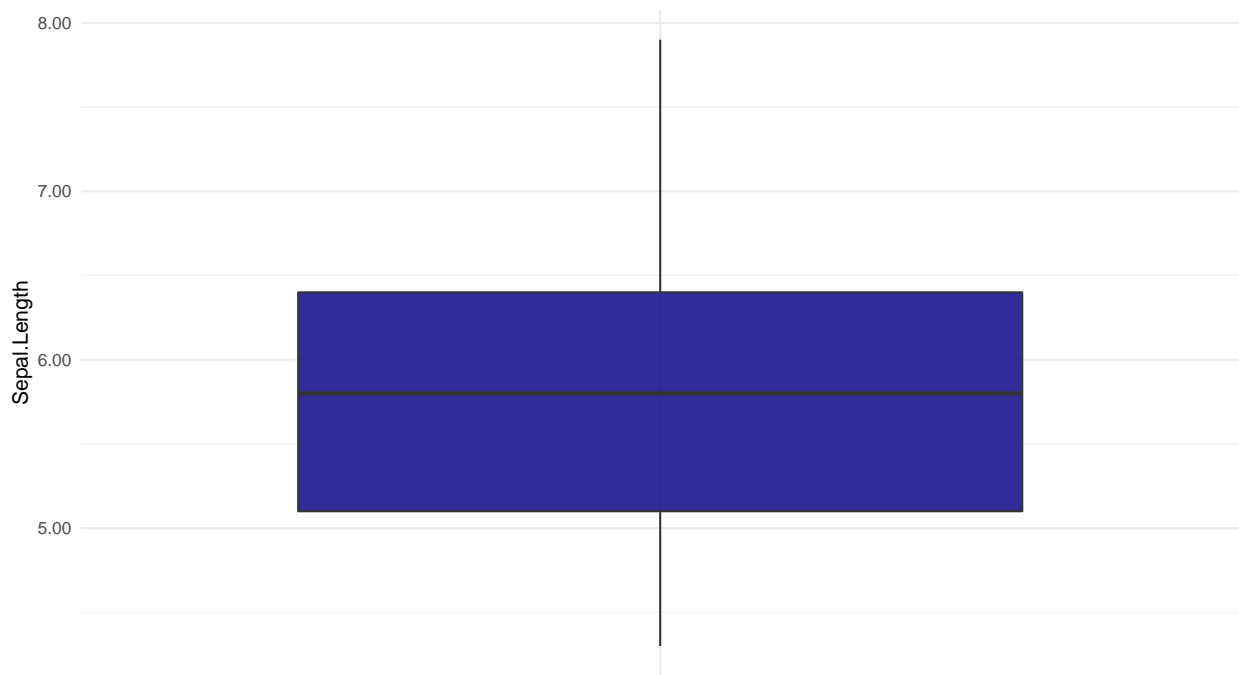
## Horizontally



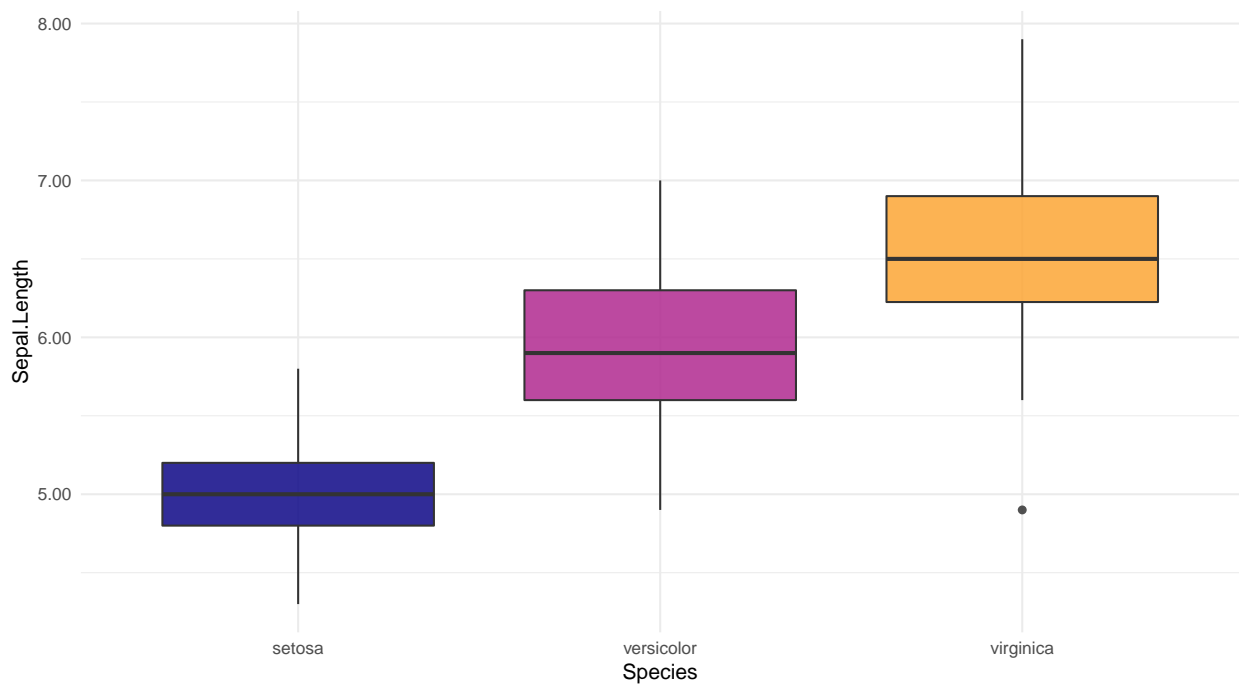
## Boxplots

```
chronicle::add_boxplot()
```

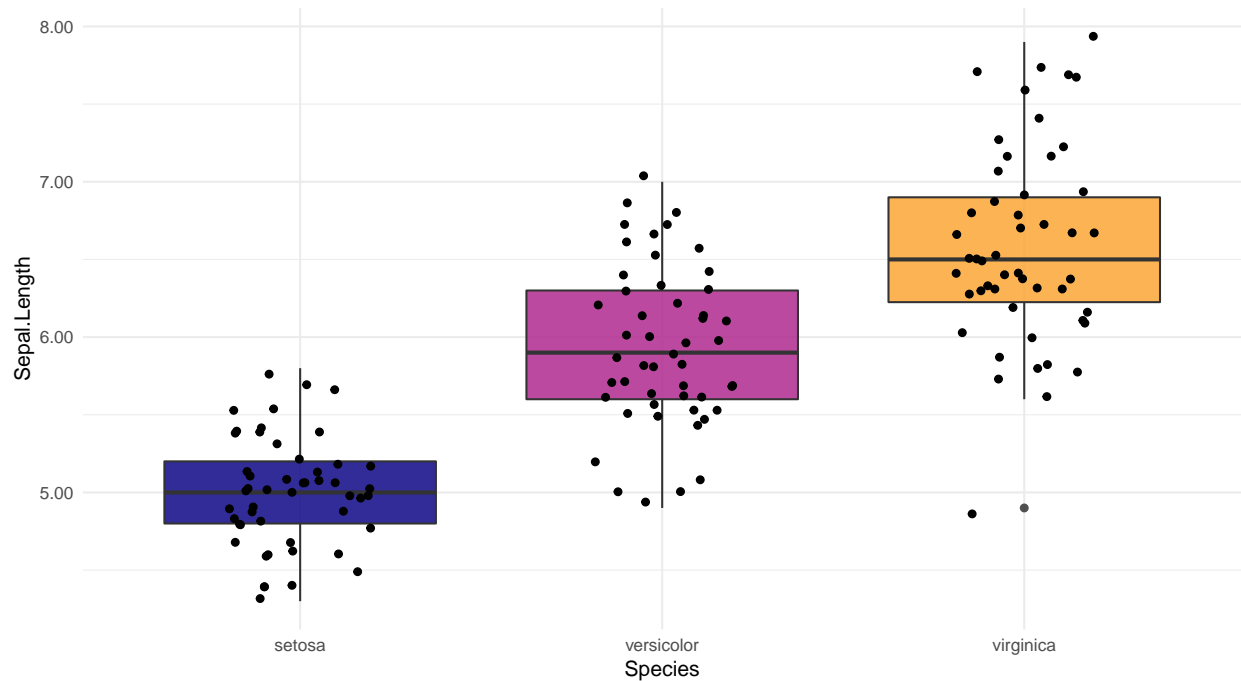
## Simple box plot



## Box plot by groups



## Box plot with jitter



## Code

```
chronicle::add_code()
```

This is an empty canvas for you to include any code you want.

**This is some code:**

```
data.table(iris)[, .N, Species]
```

**It can also be evaluated!**

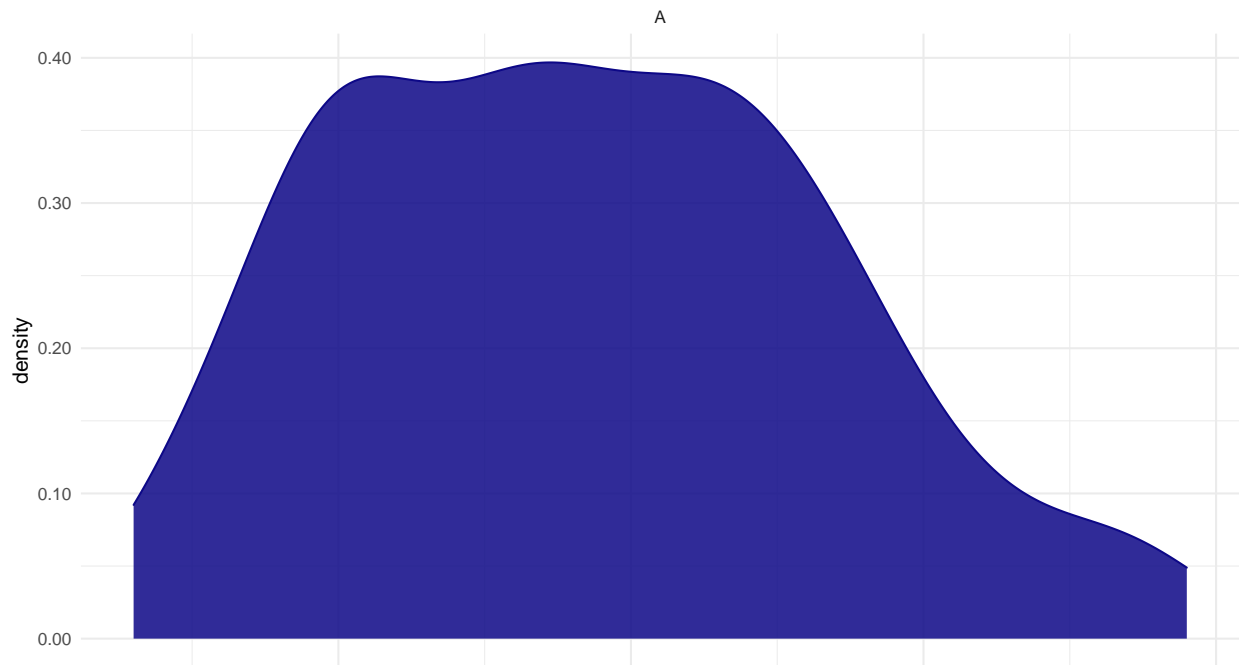
```
library(data.table)
data.table(iris)[, .N, Species]
```

```
##      Species  N
## 1:    setosa 50
## 2: versicolor 50
## 3:  virginica 50
```

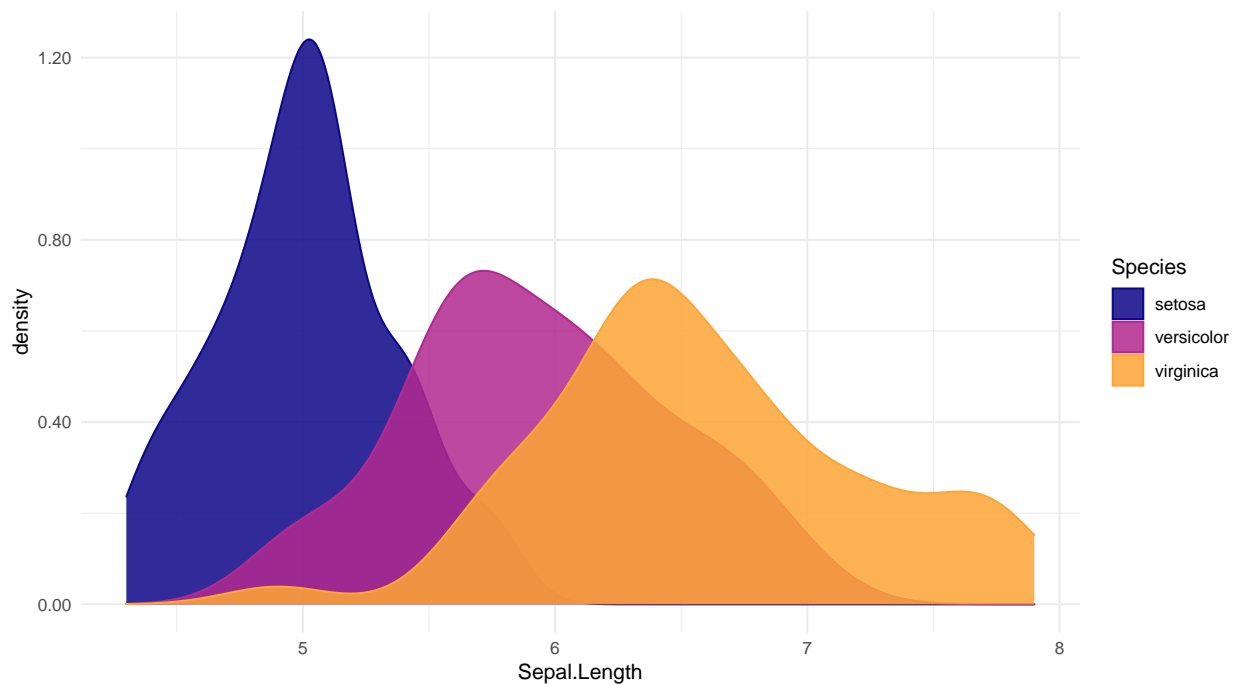
## Densities

```
chronicle::add_density()
```

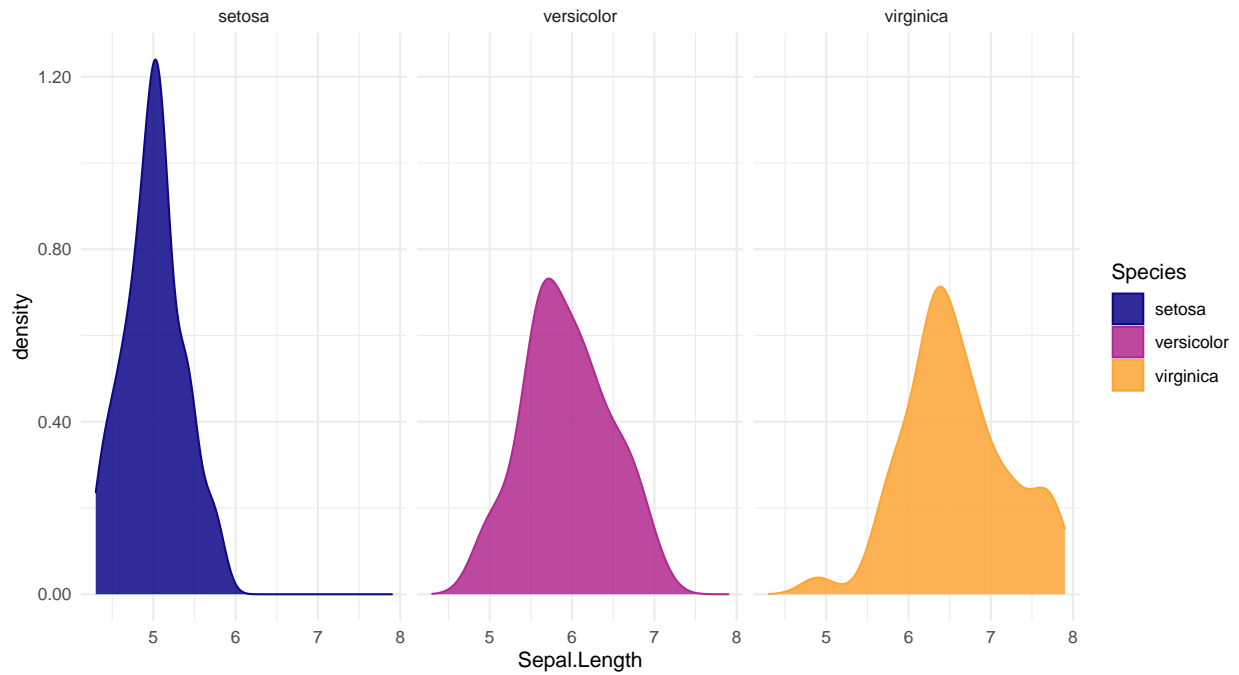
### Basic density



### Density by group



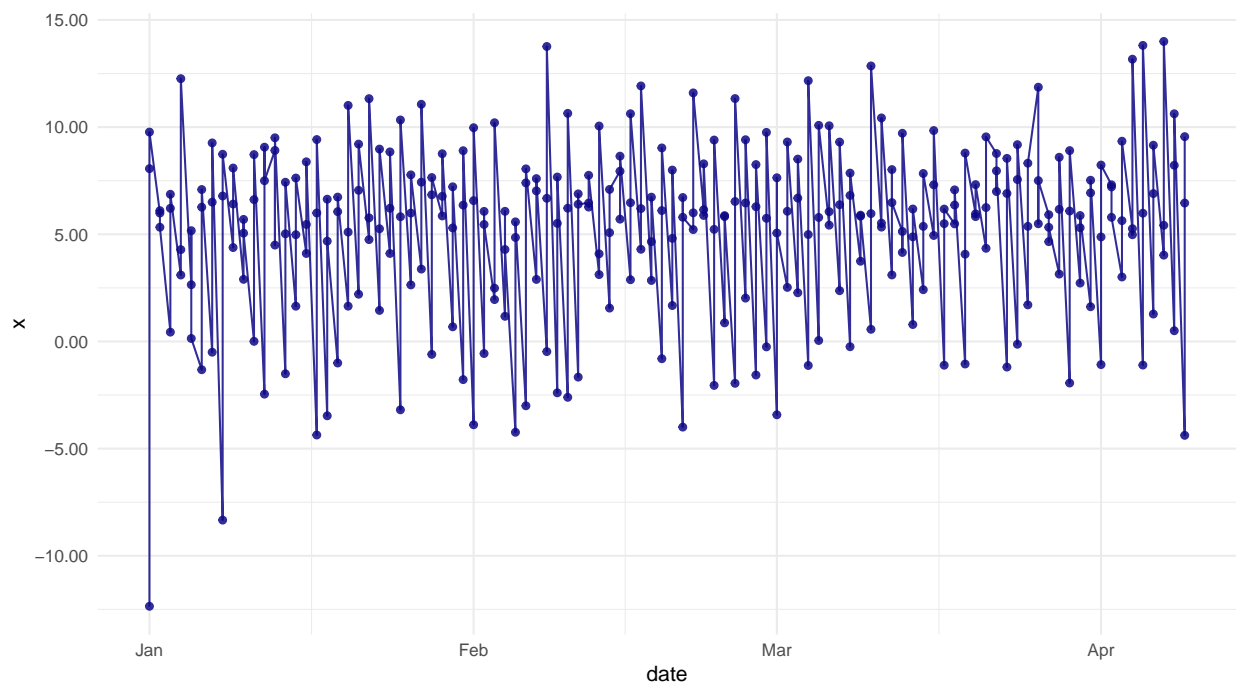
## Faceted densities



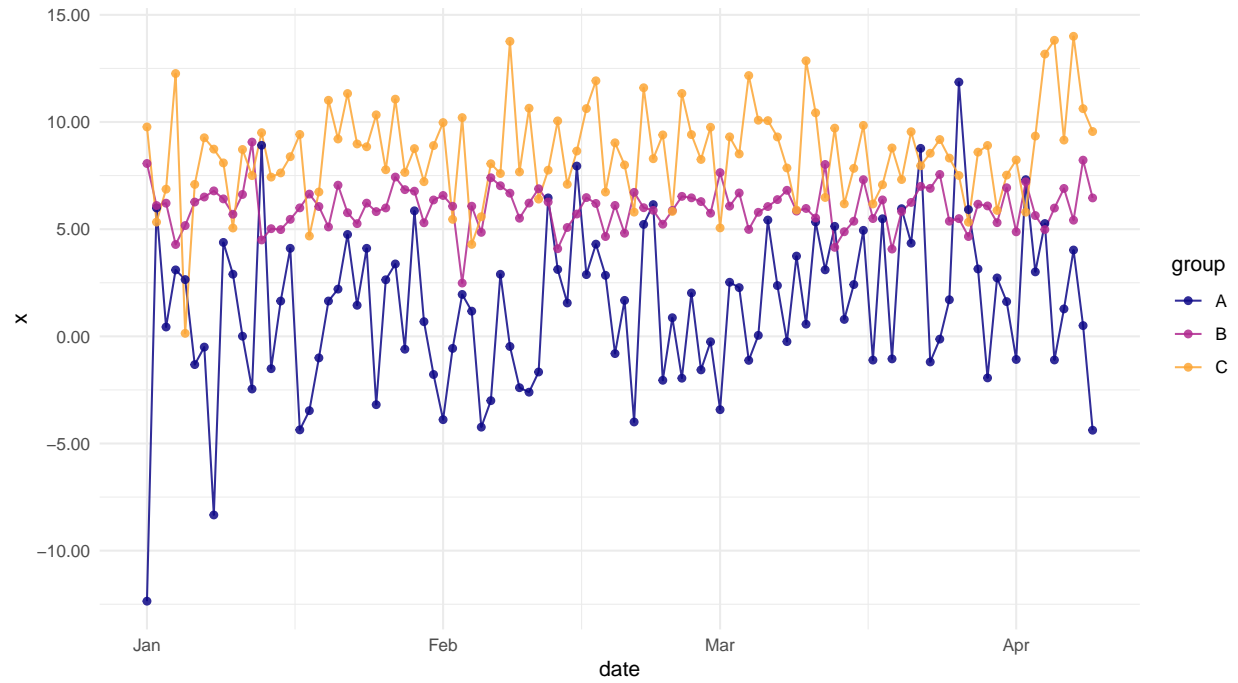
## dygraphs

`chronicle::add_dygraph()`

Simple dygraph (in static outputs it will be replaced by line plots)



## Dygraph by groups

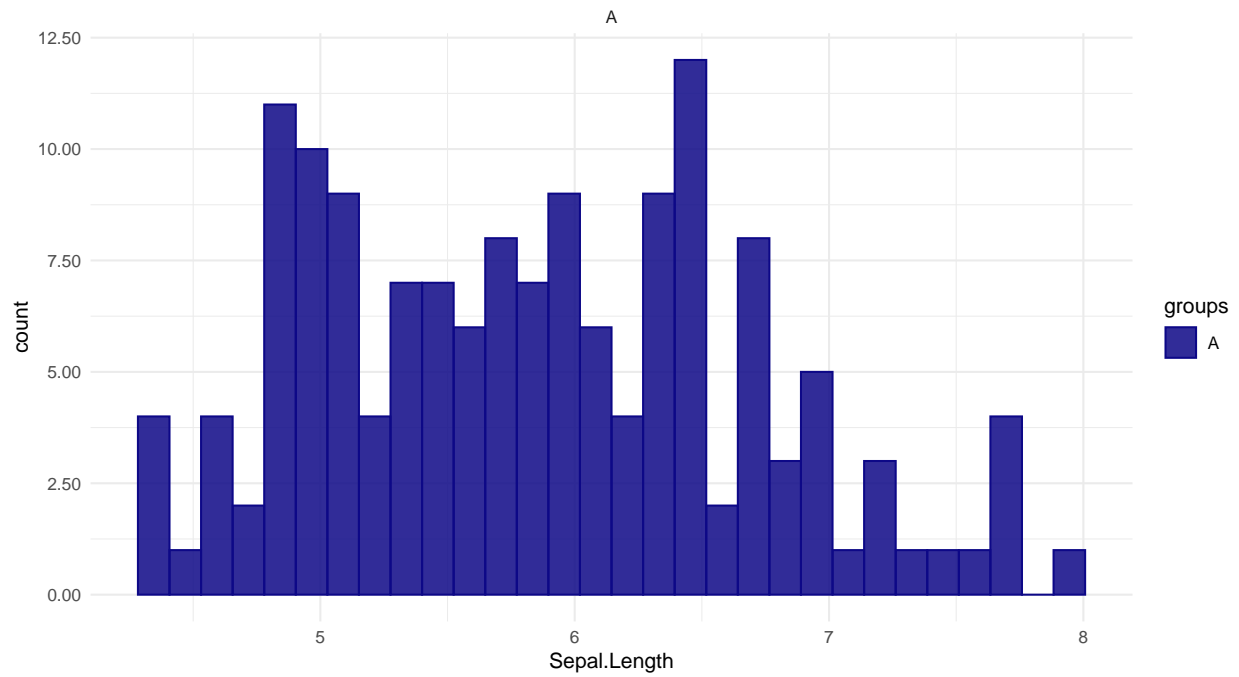


## Histograms()

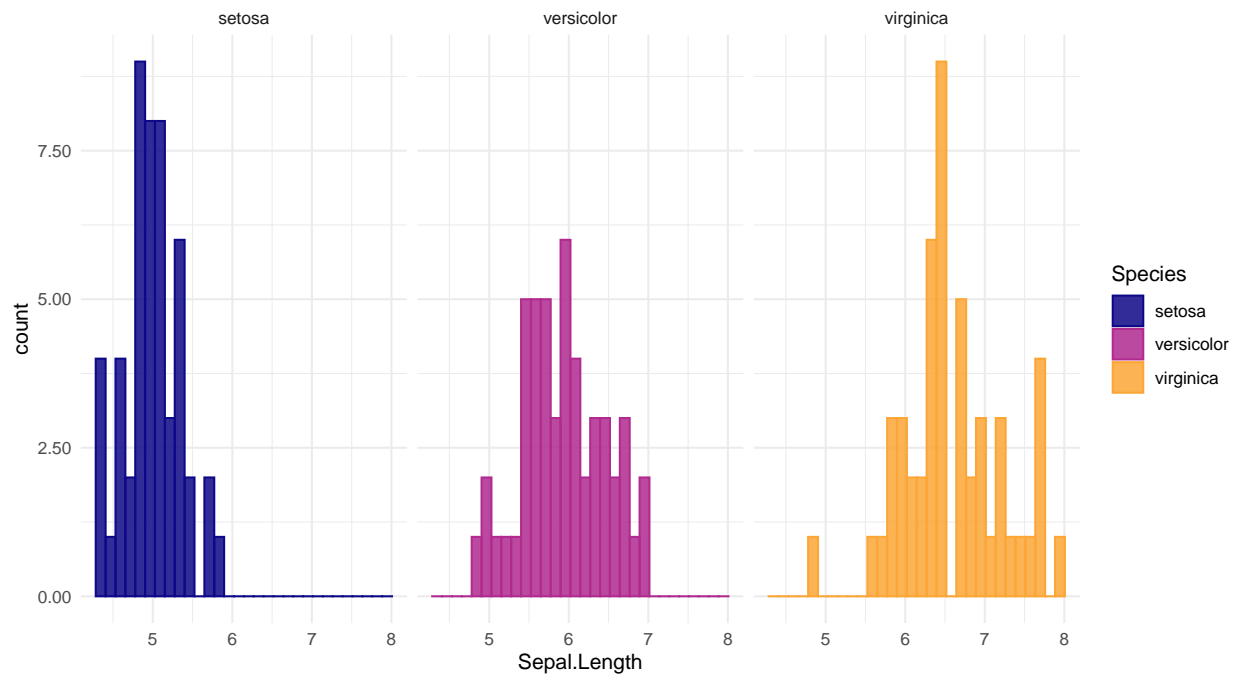
`chronicle::add_histogram`



## Basic histogram



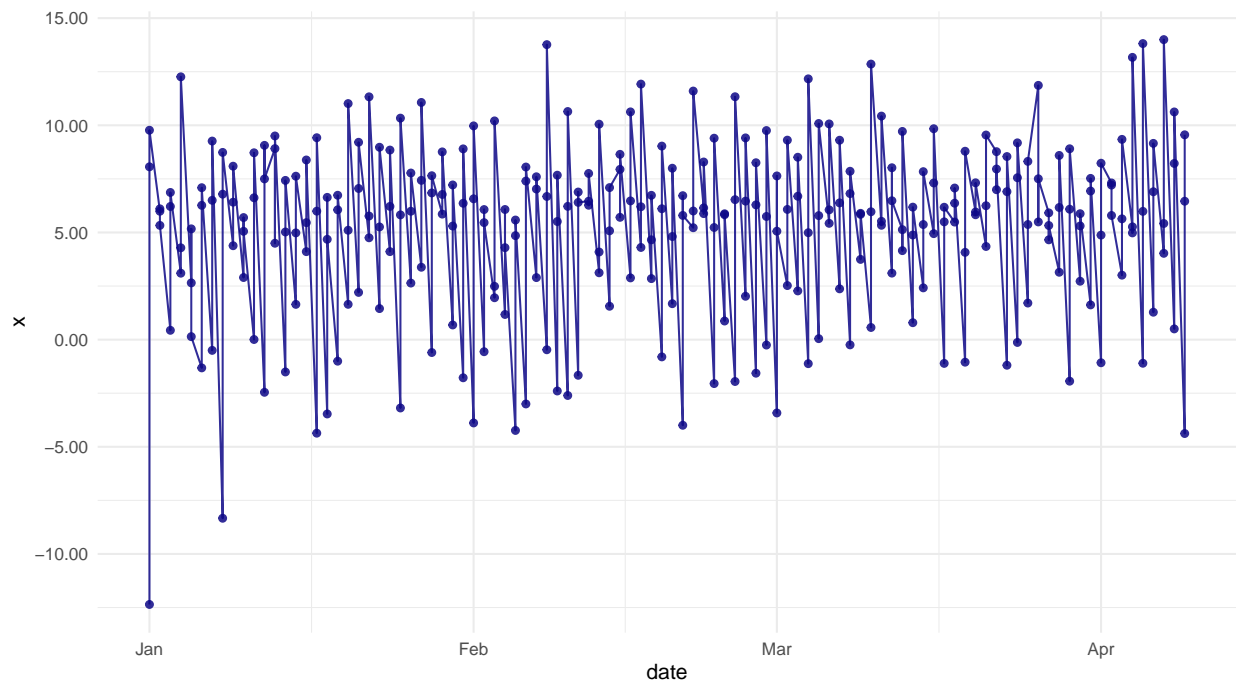
## Faceted histogram by groups



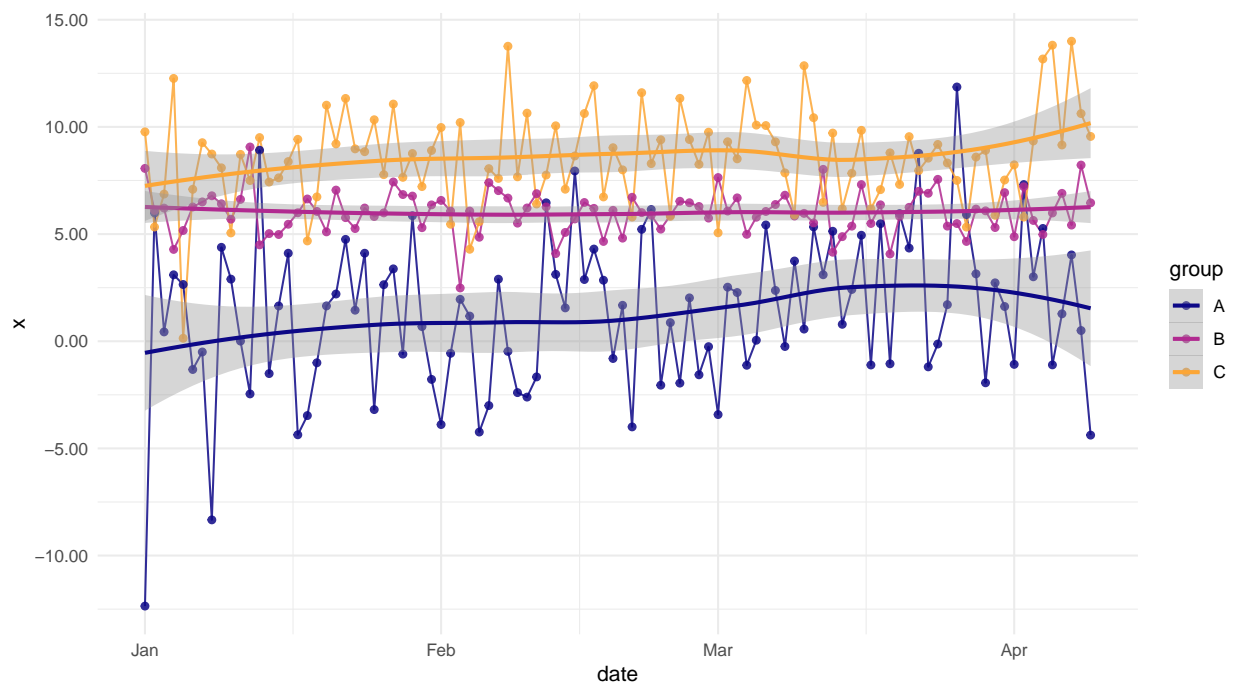
## Line plots

```
chronicle::add_lineplot()
```

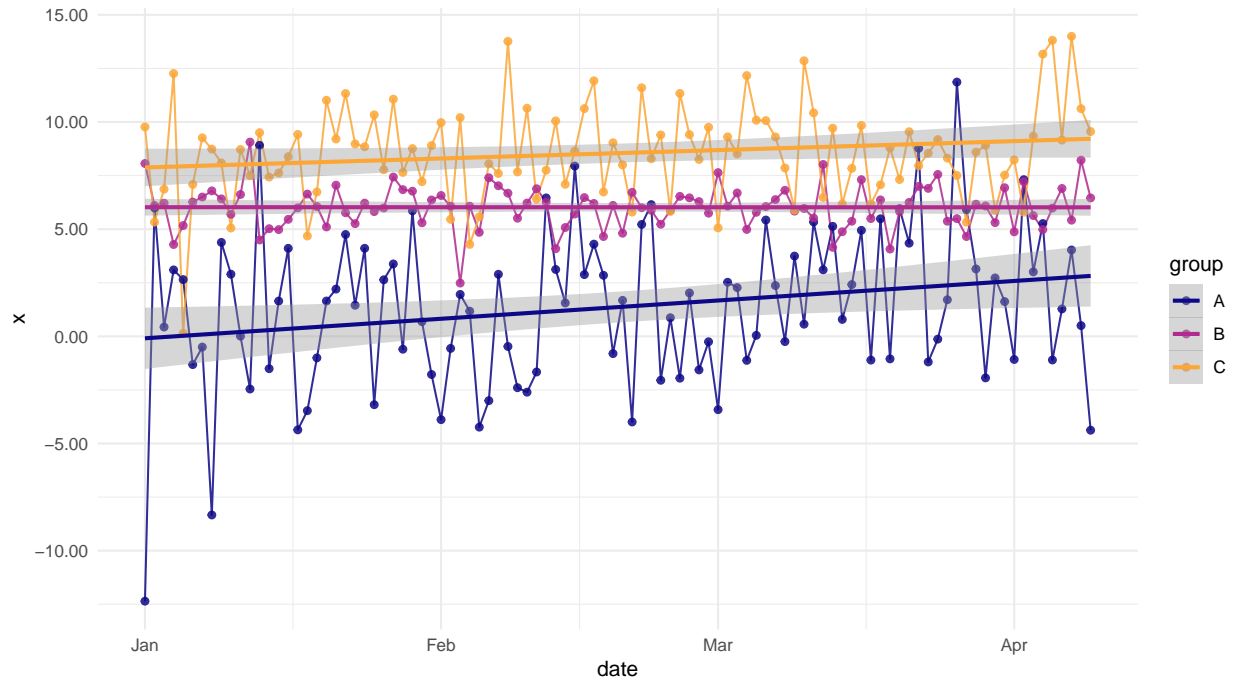
## Simple line plot



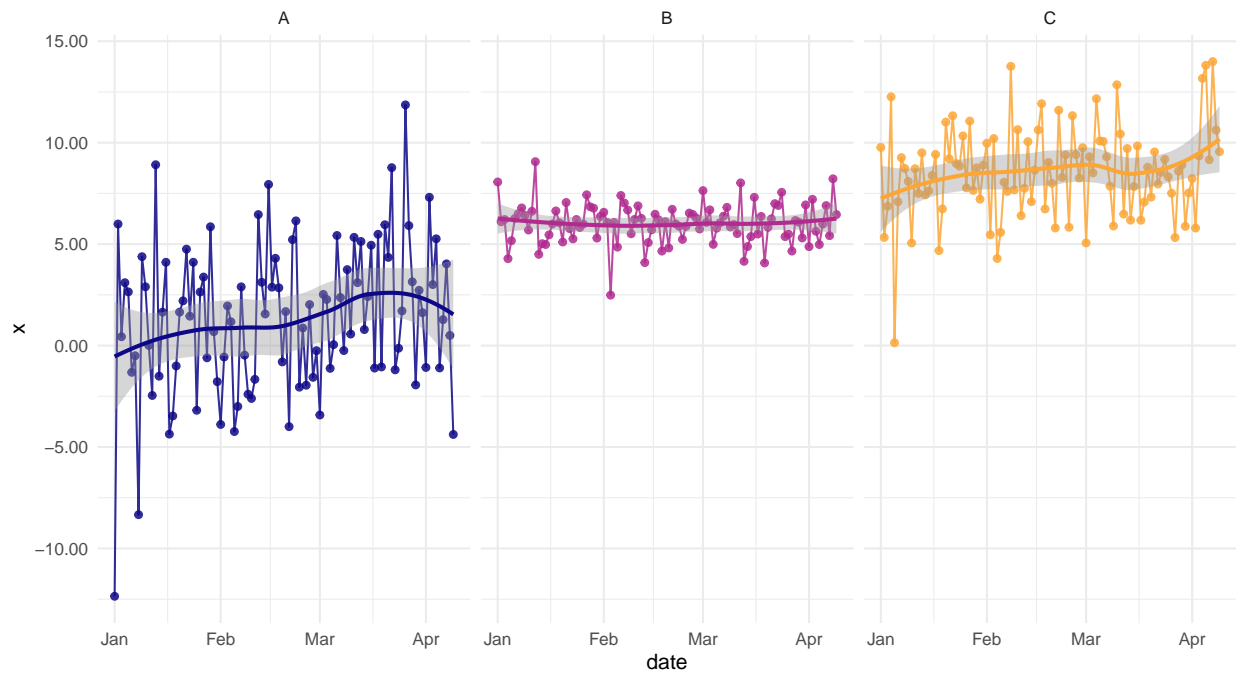
## Line plot with trend



## Line plot with linear trend



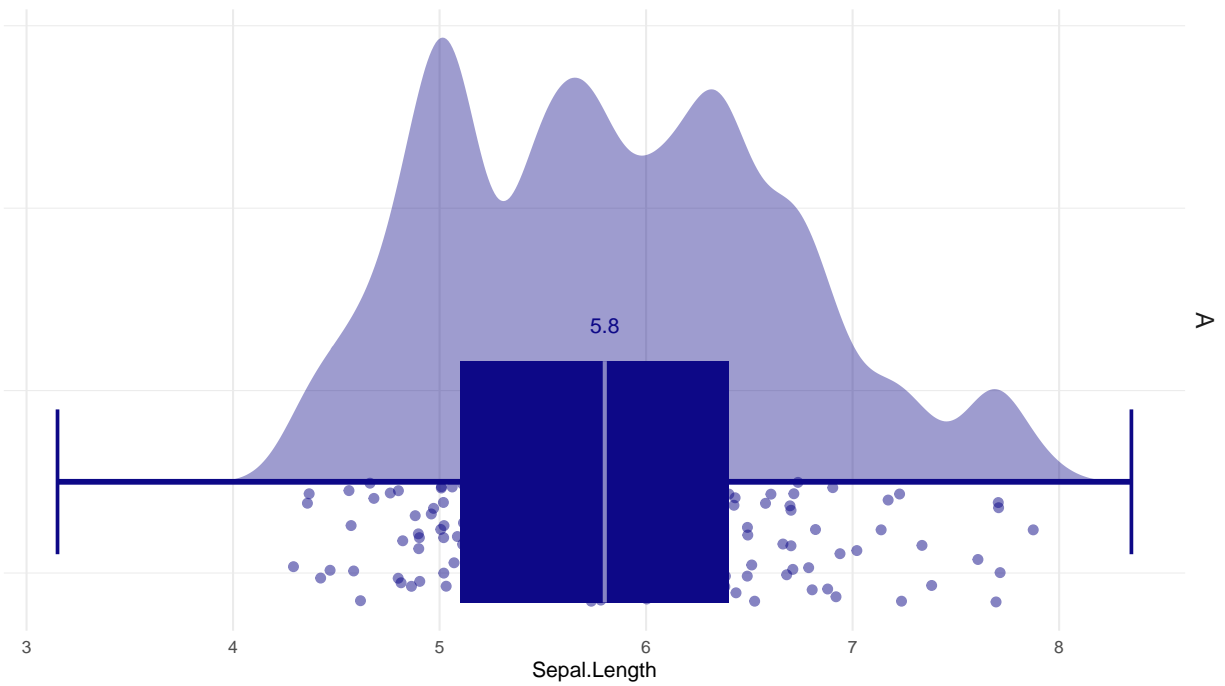
## Faceted line plot



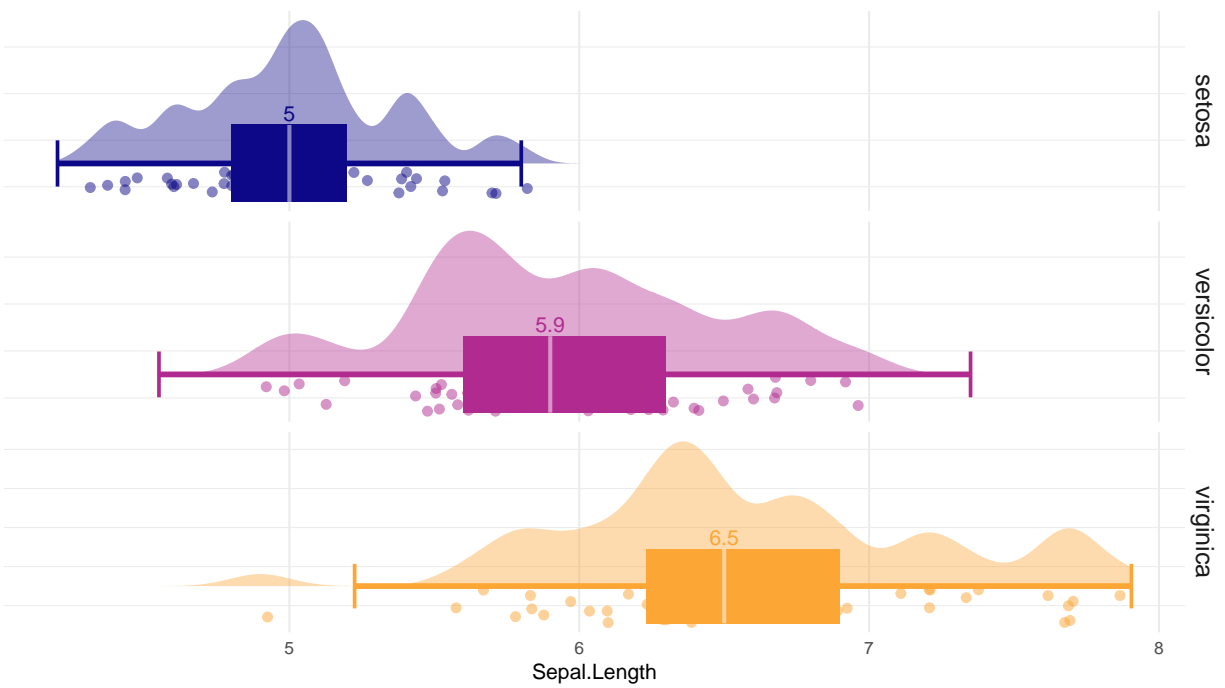
## Rain cloud plots

```
chronicle::add_raincloud()
```

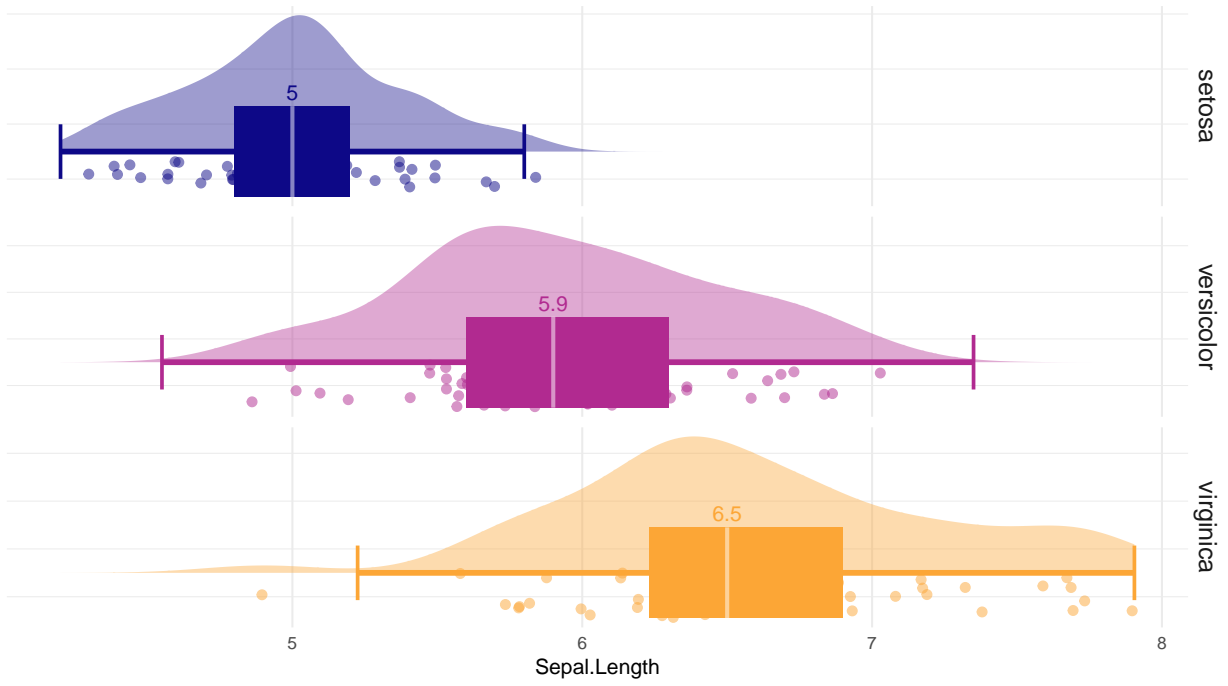
## Simple rain cloud



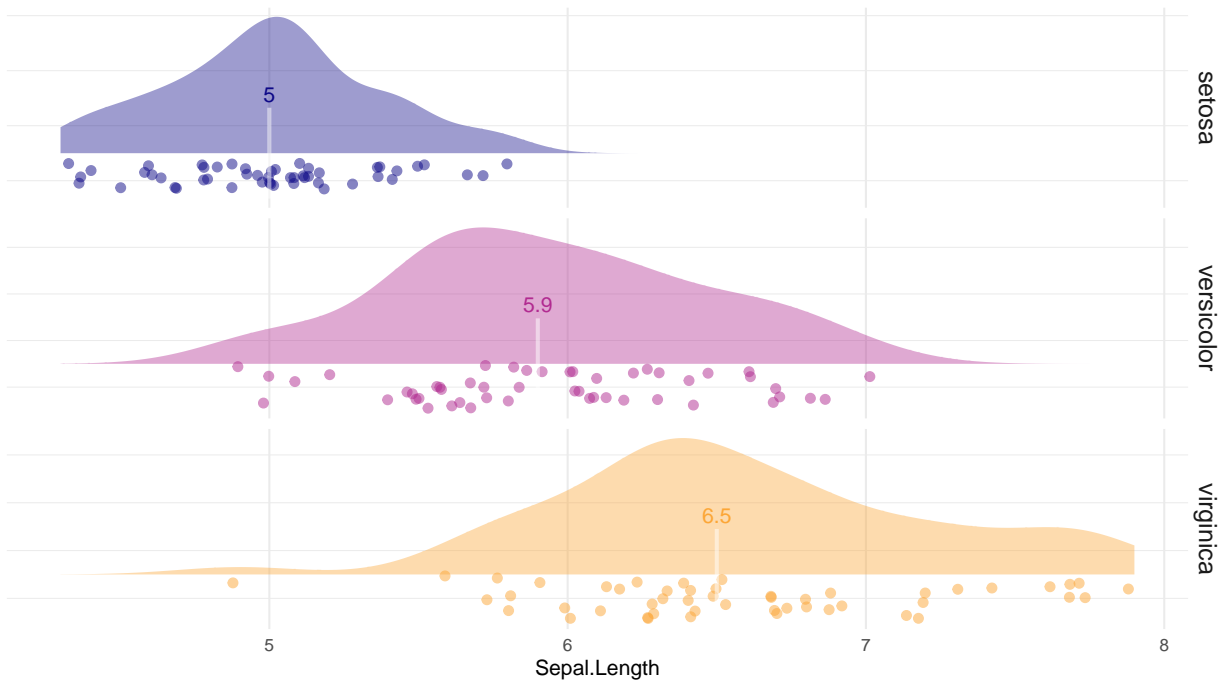
## Rain cloud by group



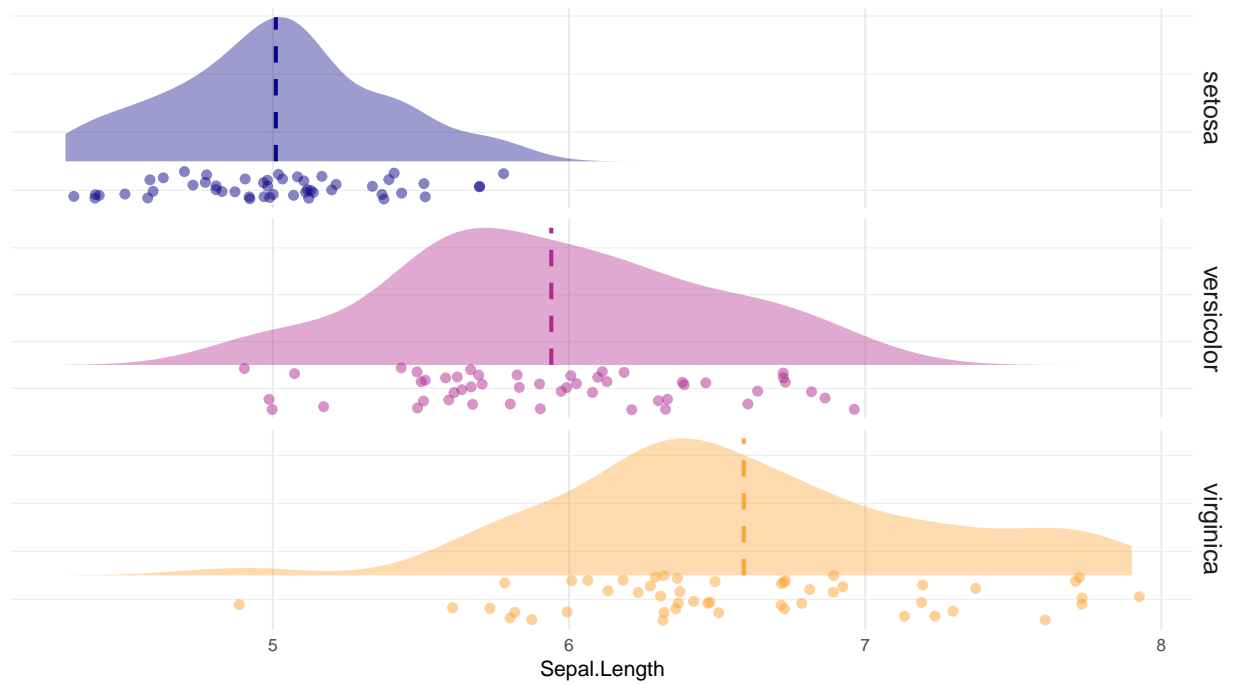
## Larger denisty kernel



## No boxplot, just the median



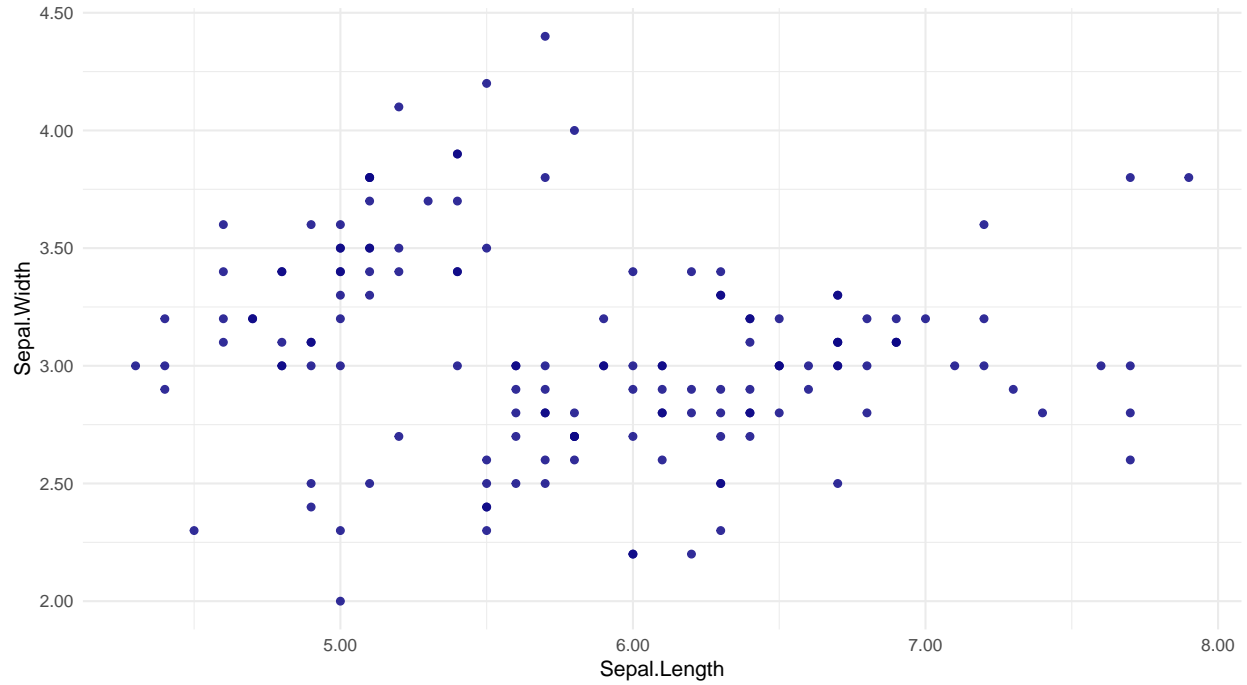
With the mean instead of the boxplot



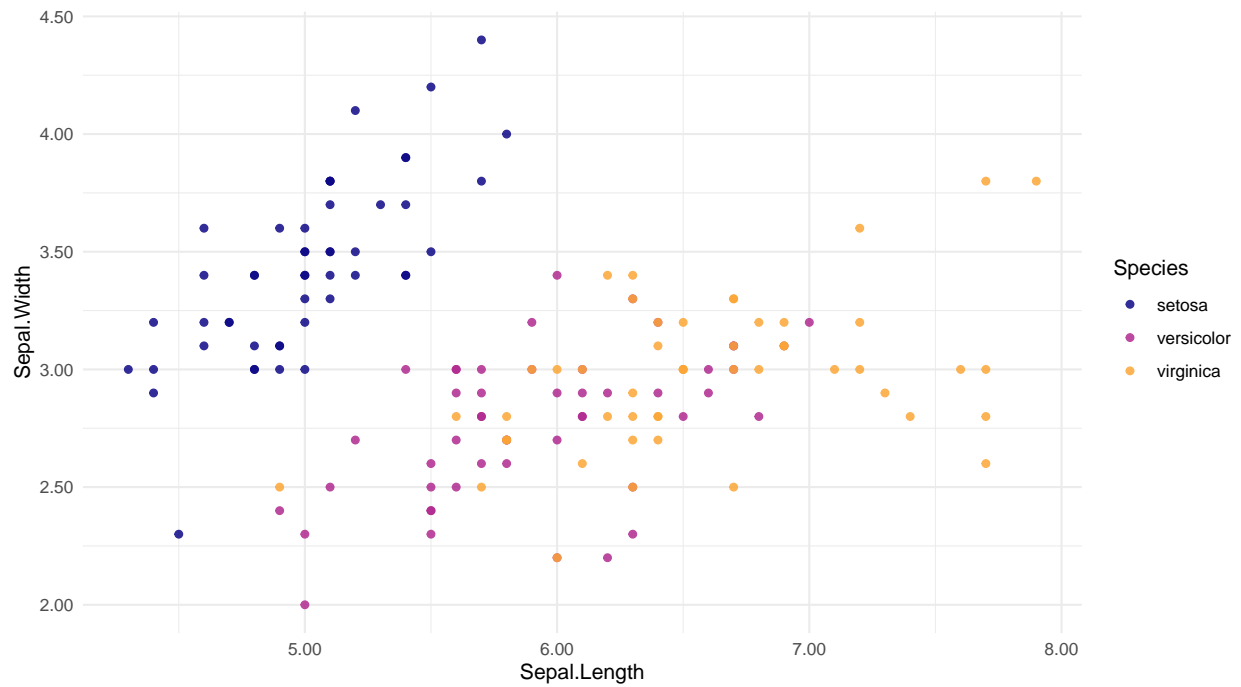
## Scatter plots

```
chronicle::add_scatterplot()
```

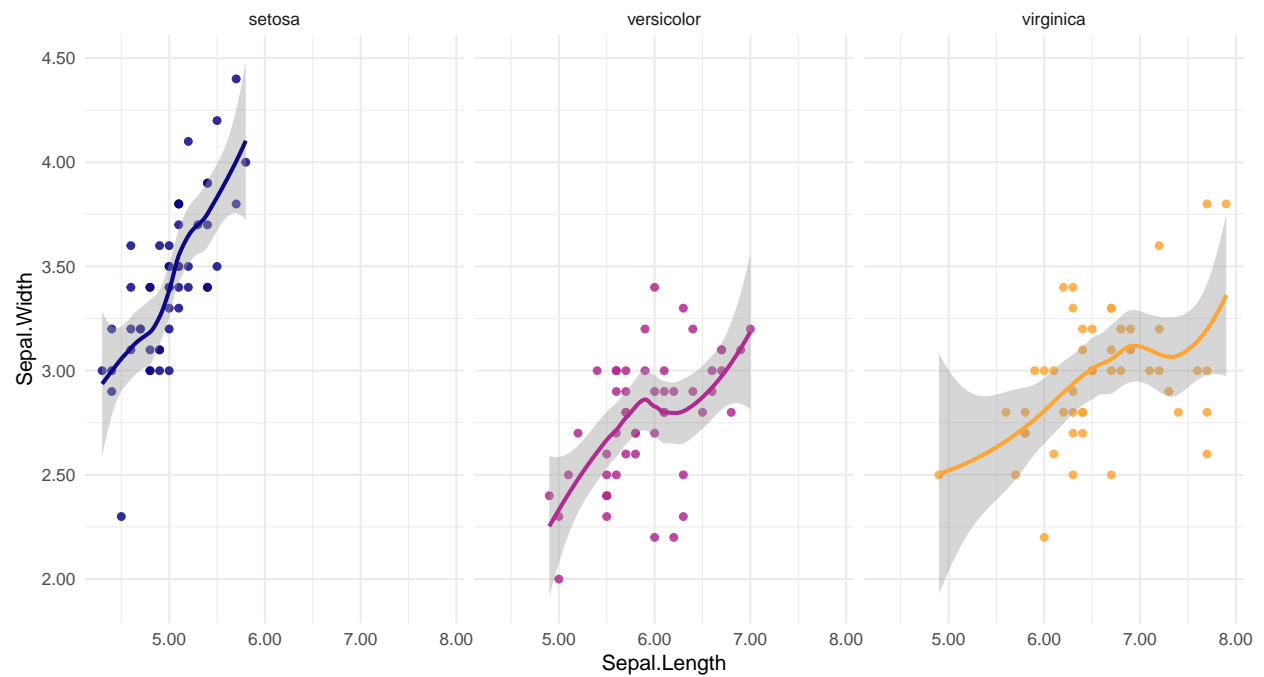
## Simple scatter plot



## Scatter plot with groups



## Faceted scatter plot with trend



## Tables

```
chronicle::add_table()
```

kable

Sepal.Length	Sepal.Width	Petal.Length	Petal.Width	Species
5.1	3.5	1.4	0.2	setosa
4.9	3.0	1.4	0.2	setosa
4.7	3.2	1.3	0.2	setosa
4.6	3.1	1.5	0.2	setosa
5.0	3.6	1.4	0.2	setosa
5.4	3.9	1.7	0.4	setosa



DT

Show 10 entries

Search:

	Sepal.Length	Sepal.Width	Petal.Length	Petal.Width	Species
1	5.1	3.5	1.4	0.2	setosa
2	4.9	3	1.4	0.2	setosa
3	4.7	3.2	1.3	0.2	setosa
4	4.6	3.1	1.5	0.2	setosa
5	5	3.6	1.4	0.2	setosa
6	5.4	3.9	1.7	0.4	setosa

Showing 1 to 6 of 6 entries

Previous

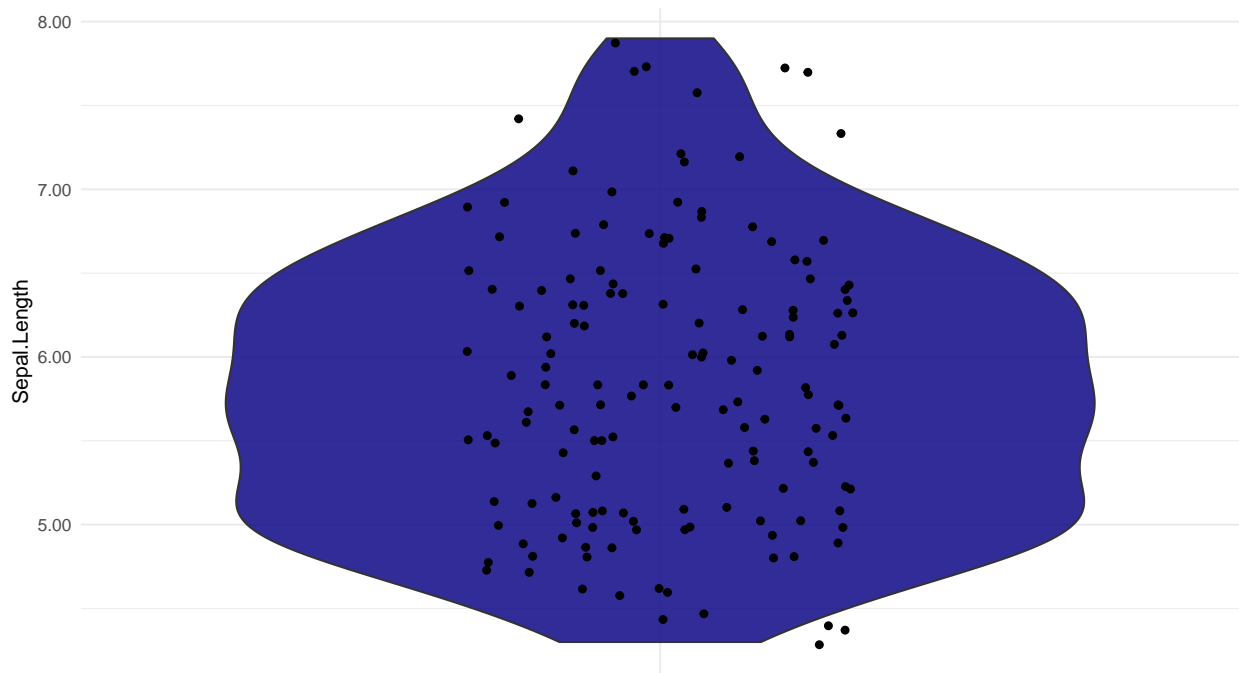
1

Next

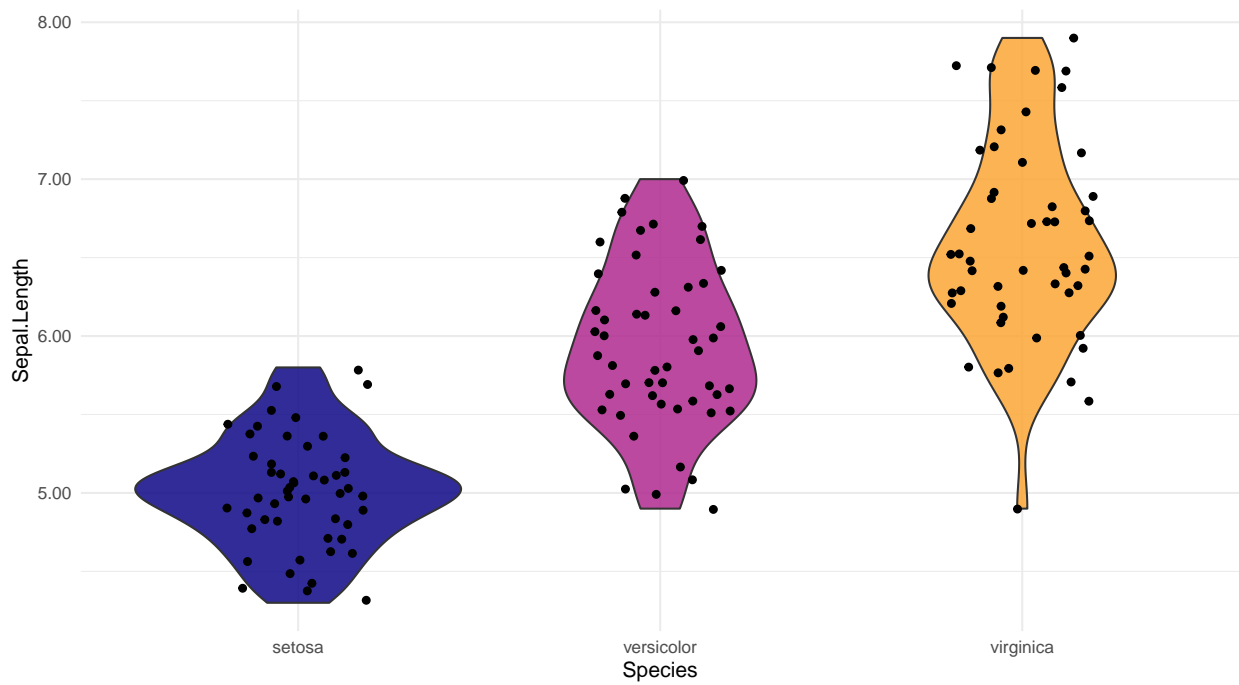
Violins

```
chronicle::add_violin()
```

## Simple violin plot



## Violin plot by group



## Big Bonus! report\_columns()

chronicle also includes a function called `report_columns()`, that will create an entire chronicle report for a single dataset. It includes a comprehensive summary of the data through the `skimr::skim()` function, along with one plot for each column present in the data: bar plots for categorical variables and rain cloud plots for numerical variables. This gives you an immediate view of a dataset with a single line of code!

```
report_columns(dt = palmerpenguins::penguins,  
              by_column = 'species')
```

you can see the example of this output here

## sessionInfo

```
sessionInfo()
```

```
## R version 4.0.3 (2020-10-10)  
## Platform: x86_64-w64-mingw32/x64 (64-bit)  
## Running under: Windows 10 x64 (build 19042)  
##  
## Matrix products: default  
##  
## locale:  
## [1] LC_COLLATE=English_United States.1252 LC_CTYPE=English_United States.1252 LC_MONETARY=English_United States.1252  
## [4] LC_NUMERIC=C LC_TIME=English_United States.1252  
##  
## attached base packages:  
## [1] stats graphics grDevices utils datasets methods base  
##  
## other attached packages:  
## [1] stringr_1.4.0 chronicle_0.2.5 data.table_1.13.6 magrittr_2.0.1 rlang_0.4.10  
##  
## loaded via a namespace (and not attached):  
## [1] tufte_0.9 lattice_0.20-41 tidyr_1.1.2 ps_1.5.0 zoo_1.8-8  
## [7] R6_2.5.0 evaluate_0.14 httr_1.4.2 xaringan_0.19 ggplot2_3.3.3  
## [13] pillar_1.4.7 tictoc_1.0 lazyeval_0.2.2 rstudioapi_0.13 callr_3.5.1  
## [19] DT_0.17 rmarkdown_2.6 labeling_0.4.2 splines_4.0.3 webshot_0.5.2  
## [25] rolldown_0.1 readr_1.4.0 htmlwidgets_1.5.3 munsell_0.5.0 tinytex_0.28  
## [31] xfun_0.20 pkgconfig_2.0.3 mgcv_1.8-33 htmltools_0.5.0 tidyselect_1.1.0  
## [37] gridExtra_2.3 bookdown_0.21 viridisLite_0.3.0 crayon_1.3.4 dplyr_1.0.2  
## [43] grid_4.0.3 nlme_3.1-151 jsonlite_1.7.2 gtable_0.3.0 lifecycle_0.2.0  
## [49] rmdformats_1.0.1 stringi_1.5.3 farver_2.0.3 viridis_0.5.1 dygraphs_1.1.1.0  
## [55] xts_0.12.1 generics_0.1.0 vctrs_0.3.6 tools_4.0.3 glue_1.4.2  
## [61] hms_0.5.3 crosstalk_1.1.0.1 prettydoc_0.4.1 processx_3.4.5 yaml_2.2.1  
## [67] plotly_4.9.3 knitr_1.31 pagedown_0.13
```