

# Sobrevive

## Biblioteca

```
library(tidyverse)
```

```
-- Attaching core tidyverse packages ----- tidyverse 2.0.0 --
v dplyr      1.1.4      v readr      2.1.4
v forcats    1.0.0      v stringr    1.5.1
v ggplot2     3.4.4      v tibble     3.2.1
v lubridate  1.9.3      v tidyr      1.3.0
v purrr       1.0.2

-- Conflicts ----- tidyverse_conflicts() --
x dplyr::filter() masks stats::filter()
x dplyr::lag()     masks stats::lag()
i Use the conflicted package (<http://conflicted.r-lib.org/>) to force all conflicts to become
```

```
library(googlesheets4)
library(ggthemes)
library(lubridate)
library(scales)
```

Attaching package: 'scales'

The following object is masked from 'package:purrr':

discard

The following object is masked from 'package:readr':

col\_factor

```
library(magick)
```

Linking to ImageMagick 6.9.11.60

Enabled features: fontconfig, freetype, fftw, heic, lcms, pango, webp, x11

Disabled features: cairo, ghostscript, raw, rsvg

Using 4 threads

```
library(tinytex)
```

```
biom <- read_sheet("1KkLM7bz-Az-etHUeENou-BjX4mDUfJCccwcCIoOkOCU", 2)
```

! Using an auto-discovered, cached token.

To suppress this message, modify your code or options to clearly consent to the use of a cached token.

See gargle's "Non-interactive auth" vignette for more details:

<<https://gargle.r-lib.org/articles/non-interactive-auth.html>>

i The googlesheets4 package is using a cached token for 'momaju@gmail.com'.

v Reading from "Cultivo".

v Range 'Biomassa'.

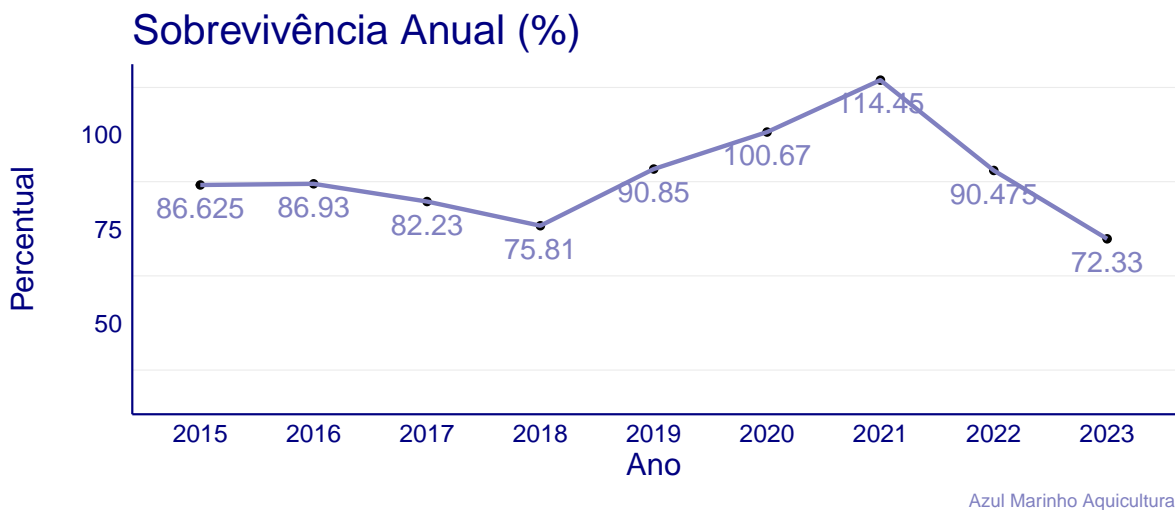
```
sobrevive_ano <- biom %>%  
  mutate(ano_desp = factor(year(data_desp))) %>%  
  group_by(ano_desp) %>%  
  summarize(sobrevive = median(sobrevive))
```

```
sobrevive_ano %>%  
  ggplot(aes(ano_desp, sobrevive)) +  
  geom_point() +  
  #geom_line() +  
  geom_line(group = 1, color = "#8080c0", linewidth = 1) +
```

```

expand_limits(y = 30) +
labs(title = "Sobrevivência Anual (%)",
      x = "Ano",
      y = "Percentual",
      caption = "Azul Marinho Aquicultura") +
geom_text(aes(label = sobrevive), vjust = 1.6, color = "#8080c0", size = 5.0) +
theme_minimal() +
theme(plot.caption = element_text(size = 9, color = "#8080c0"),
      axis.text.y = element_text(size = 12, color = "#000080"),
      axis.text.x = element_text(size = 12, color = "#000080"),
      axis.title.y = element_text(size = 15,
                                   color = "#000080",
                                   margin = margin(t = 0, r = 20, b = 0, l = 0)),
      axis.title.x = element_text(size = 15, color = "#000080"),
      plot.title = element_text(size = 20, color = "#000080"),
      axis.line.y = element_line(color = "#000080"),
      axis.line.x = element_line(color = "#000080"),
      panel.grid.major = element_blank())

```



```

#logo <- image_read("G://My Drive//RWork//Projects//Azul Marinho//Cultivos//Images//azul_1
#grid::grid.raster(logo, x = 0.92, y = 0.8, just = c('left', 'bottom'), width = unit(1.5,

```