Sobrevivëncia Anual

2024-01-06

Loading Libraries

```r
library(tidyverse)
```

```
## -- Attaching packages --------------------------------------- tidyverse 1.3.2 --
## v ggplot2 3.4.0      v purrr   0.3.5
## v tibble  3.2.1      v dplyr   1.1.2
## v tidyr   1.2.1      v stringr 1.5.0
## v readr   2.1.3      v forcats 1.0.0
```

```
## Warning: package 'tibble' was built under R version 4.2.3
```

```
## Warning: package 'dplyr' was built under R version 4.2.3
```

```
## Warning: package 'forcats' was built under R version 4.2.3
```

```
## -- Conflicts ------------------------------------------ tidyverse_conflicts() --
## x dplyr::filter() masks stats::filter()
## x dplyr::lag()    masks stats::lag()
```

```r
library(googlesheets4)
library(ggthemes)
library(lubridate)
```

```
## Carregando pacotes exigidos: timechange
##
## Attaching package: 'lubridate'
##
## The following objects are masked from 'package:base':
##
##     date, intersect, setdiff, union
```

```r
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 6.9.12.3
## Enabled features: cairo, freetype, fftw, ghostscript, heic, lcms, pango, raw, rsvg, webp
## Disabled features: fontconfig, x11
```

Lendo os Dados

```
biom <- read_sheet("1KkLM7bz-Az-etHUeENou-BjX4mDUfJCccwcCIo0k0CU", 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''.
```

Agrupando por ano de despesca

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

Gerando o Gráfico

```
d <- 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())
```

Inserindo o logo