

Penguins data set

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13/06/2020

Penguins

Data are from the `palmerpenguins` package. Data were collected and made available by Dr. Kristen Gorman and the Palmer Station, Antarctica LTER, a member of the Long Term Ecological Research Network.

```
glimpse(penguins)
```

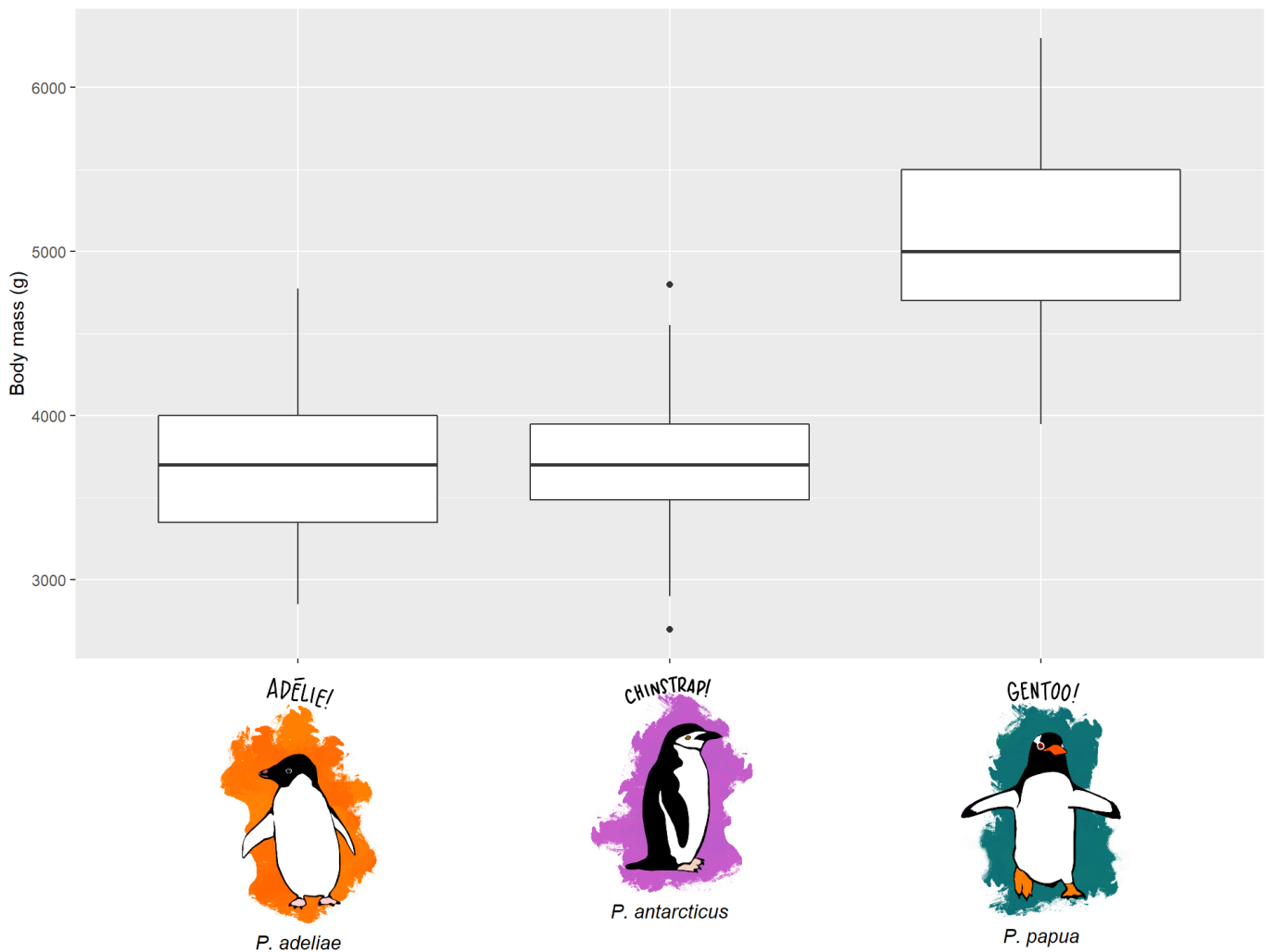
```
## Rows: 344
## Columns: 7
## $ species      <fct> Adelie, Adelie, Adelie, Adelie, Adelie, Adelie, A...
## $ island       <fct> Torgersen, Torgersen, Torgersen, Torgersen, Torge...
## $ culmen_length_mm <dbl> 39.1, 39.5, 40.3, NA, 36.7, 39.3, 38.9, 39.2, 34....
## $ culmen_depth_mm <dbl> 18.7, 17.4, 18.0, NA, 19.3, 20.6, 17.8, 19.6, 18....
## $ flipper_length_mm <int> 181, 186, 195, NA, 193, 190, 181, 195, 193, 190, ...
## $ body_mass_g   <int> 3750, 3800, 3250, NA, 3450, 3650, 3625, 4675, 347...
## $ sex           <fct> MALE, FEMALE, FEMALE, NA, FEMALE, MALE, FEMALE, M...
```

```
labels <- c(
  Adelie = "<img src='Adelie.png'
    width='100' /><br>*P. adeliae*",
  Chinstrap = "<img src='Chinstrap.png'
    width='100' /><br>*P. antarcticus*",
  Gentoo = "<img src='Gentoo.png'
    width='100' /><br>*P. papua*"
)

ggplot(penguins, aes(species, body_mass_g)) +
  geom_boxplot() +
  scale_x_discrete(
    name = NULL,
    label = labels
  ) +
  ylab("Body mass (g)") +
  labs(title = "Penguin size, Palmer Station, Antarctica LTER", caption = "Artwork by @allison_horst") +
  theme(
    axis.text.x = element_markdown(color = "black", size = 11),
    plot.title.position = "plot"
  )
```

```
## Warning: Removed 2 rows containing non-finite values (stat_boxplot).
```

Penguin size, Palmer Station, Antarctica LTER



Artwork by @allison_horst

References

Gorman KB, Williams TD, Fraser WR (2014) Ecological Sexual Dimorphism and Environmental Variability within a Community of Antarctic Penguins (Genus *Pygoscelis*). PLoS ONE 9(3): e90081.

<https://doi.org/10.1371/journal.pone.0090081> (<https://doi.org/10.1371/journal.pone.0090081>)

Claus O. Wilke (2020). ggtext: Improved Text Rendering Support for 'ggplot2'. R package version 0.1.0.

<https://CRAN.R-project.org/package=ggtext> (<https://CRAN.R-project.org/package=ggtext>)