

# Example

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## Introduction

A number of [subspecies of the common chaffinch, \*Fringilla coelebs\*](#), have been described based principally on the differences in the pattern and colour of the adult male plumage (Suárez et al. 2009). Two of groups of these subspecies are the “coelebs group” (Figure 1a) that occurs in Europe and Asia and the “canariensis group” (Figure 1b) that occurs on the Canary Islands.



Figure 1: Adult male *Fringilla coelebs* of the coelebs group on the left (Andreas Trepte, CC BY-SA 2.5 <https://creativecommons.org/licenses/by-sa/2.5>, via Wikimedia Commons) and of the canariensis group on the right (H. Zell, CC BY-SA 3.0 <https://creativecommons.org/licenses/by-sa/3.0>, via Wikimedia Commons).

This study sought to determine whether the two subspecies differ in mass.

## Methods

We randomly sampled 20 *F. c. coelebs* males and 20 *F. c. palmae* males and determined their mass with spring scales. Analysis was carried out with R version 4.3.1 (R Core Team 2023) and tidyverse (Wickham et al. 2019) packages.

## Results

Canariensis ( $\bar{x} \pm s.e.$ :  $22.27 \pm 0.48$  g) have significantly higher mass than coelebs ( $20.48 \pm 0.48$  g) ( $t = 2.65$ ;  $d.f. = 38$ ;  $p = 0.01$ ). See Figure 2

There is another figure showing the distribution of the data in Figure 3 presented here only to demonstrate the auto numbering of figures.

These results are gratuitously reproduced in Table 1 just to include a table.

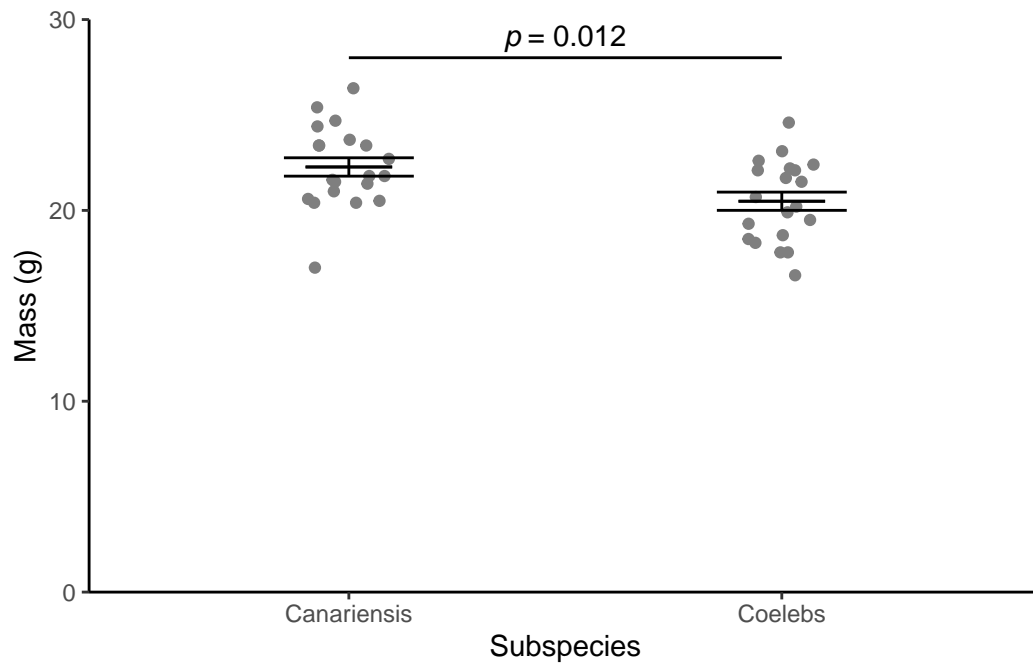


Figure 2: **Canariensis chaffinches are heavier than Coelebs chaffinches.** The mean mass of 20 randomly sampled males from each subspecies was determined. Error bars are  $\pm 1$  standard error. Canariensis chaffinches were significantly heavier than Coelebs ( $t = 2.65$ ;  $d.f. = 38$ ;  $p = 0.01$ ). Data analysis was conducted in R (R Core Team 2023) with tidyverse packages (Wickham et al. 2019).

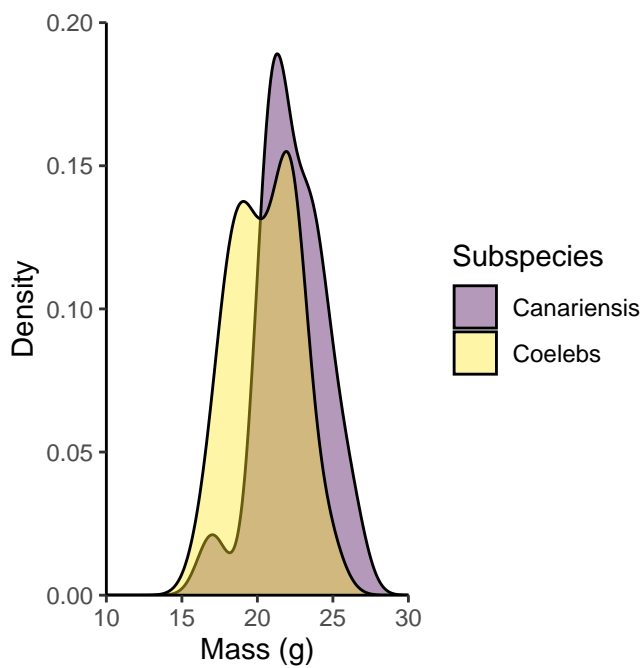


Figure 3: Unnecessary extra figure to demonstrate the autonumbering.

Table 1: Summary of mass(g) for the two subspecies of chaffinch.

| Subspecies  | Mean | Sd  | N  | Se   |
|-------------|------|-----|----|------|
| Canariensis | 22   | 2.1 | 20 | 0.48 |
| Coelebs     | 20   | 2.1 | 20 | 0.48 |

## Discussion

Here we pick up points from the introduction.

## References

- R Core Team. 2023. *R: A Language and Environment for Statistical Computing*. Vienna, Austria: R Foundation for Statistical Computing. <https://www.R-project.org/>.
- Suárez, Nicolás M., Eva Betancor, Tilman E. Klassert, Teresa Almeida, Mariano Hernández, and José J. Pestano. 2009. "Phylogeography and Genetic Structure of the Canarian Common Chaffinch (*Fringilla Coelebs*) Inferred with mtDNA and Microsatellite Loci." *Molecular Phylogenetics and Evolution* 53 (2): 556–64. <https://doi.org/10.1016/j.ympev.2009.07.018>.
- Wickham, Hadley, Mara Averick, Jennifer Bryan, Winston Chang, Lucy D'Agostino McGowan, Romain François, Garrett Grolemond, et al. 2019. "Welcome to the {Tidyverse}" 4: 1686. <https://doi.org/10.21105/joss.01686>.