Penguin Data

# 

| Analysis | Score |
| --- | --- |
| 1. read dataset | 5 |
| 1. find out shape of data | 5 |
| 1. dataset info | 5 |
| 1. unique Species | 10 |
| 1. find NaN values per columns | 10 |
| 1. find culmen\_depth\_mm in each island | 10 |
| 1. body mass in each sex | 10 |
| 1. species in each island | 10 |
| 1. share of female penguins in each species | 15 |
| 1. flipper\_length\_mm comparisons between species ( min, max, mean ) | 20 |

Plus Point:

**10** Point for Markdown cells

Data description:

**penguins\_size.csv**: Simplified data from original penguin data sets. Contains variables:

* species: penguin species (Chinstrap, Adélie, or Gentoo)
* culmen\_length\_mm: culmen length (mm)
* culmen\_depth\_mm: culmen depth (mm)
* flipper\_length\_mm: flipper length (mm)
* body\_mass\_g: body mass (g)
* island: island name (Dream, Torgersen, or Biscoe) in the Palmer Archipelago (Antarctica)
* sex: penguin sex

#### **What are culmen length & depth?**

* The culmen is "the upper ridge of a bird's beak" (definition from Oxford Languages).

Side notes:

# 

There are 17 penguin species on the planet, but the eight most iconic reside in Antarctica, its nearby islands, and the sub-Antarctic archipelagos of South Georgia and the Falklands.