

Problem Statement

Suppose you are a Penguin enthusiast. Through this dataset, derived from the Palmer's Penguins dataset you have to classify Gentoo and Adelie penguins using logistic regression.

- Gentoo Penguin is labelled 1
- Adelie Penguin is labelled 0

Data Dictionary :

- **bill_length_mm:** The length of the penguin's bill (beak) measured in millimeters.
- **bill_depth_mm:** The depth or thickness of the penguin's bill measured in millimeters.
- **flipper_length_mm:** The length of the penguin's flipper (wing) measured in millimeters. This is an important characteristic for differentiating penguin species.
- **body_mass_g:** The body mass or weight of the penguin measured in grams. It provides information about the overall size and health of the penguin.
- **year:** The year in which the measurements were taken. This could be a temporal dimension, indicating the year of observation or data collection.
- **species:** The species of the penguin. This categorical variable indicates the specific type of penguin i.e. Adelie and Gentoo