**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