

# Penguins

## Species: Gentoo

The Gentoo penguins can be found on the island(s) of: Biscoe. The total number of Gentoo penguins in the dataset is 124.

Let us analyse the Gentoo penguins by island. The results for each island are shown below.

## Analysis for Biscoe

Table 1: Summary statistics for penguins on Biscoe

sex		N	mean	sd
female	body_mass_g	58	4679.74	281.58
	bill_length_mm	58	45.56	2.05
	bill_depth_mm	58	14.24	0.54
male	body_mass_g	61	5484.84	313.16
	bill_length_mm	61	49.47	2.72
	bill_depth_mm	61	15.72	0.74

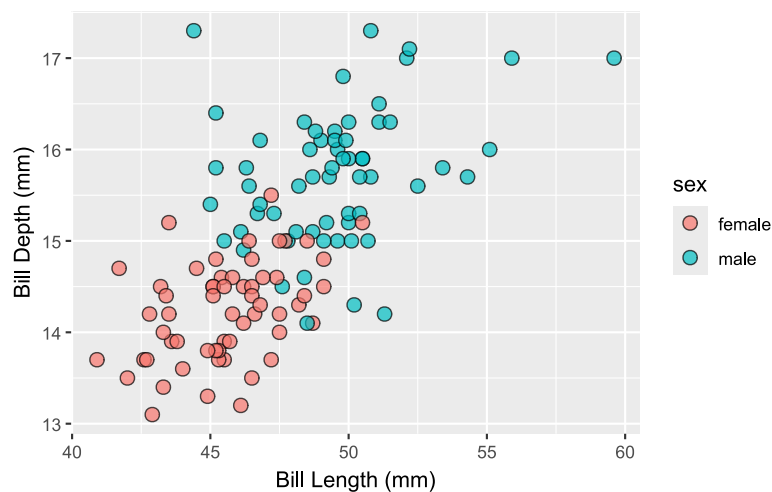


Figure 1: Scatter plot of bill dimensions for penguins on Biscoe

The summary statistics of penguins on Biscoe is given in Table 1 and a scatter plot of bill dimensions is shown in Figure 1.

Next, we fit a linear model to predict bill depth from bill length and sex of the penguins on Biscoe. The results are summarized below in Table 2.

Table 2: Regression results for penguins on Biscoe

	(1)
(Intercept)	9.954 (1.070)
bill_length_mm	0.094 (0.023)
sexmale	1.113 (0.145)
Num.Obs.	119
R2	0.620
R2 Adj.	0.614
AIC	226.1
BIC	237.2
Log.Lik.	-109.032
RMSE	0.60