

Penguins

Species: Chinstrap

The Chinstrap penguins can be found on the island(s) of: Dream. The total number of Chinstrap penguins in the dataset is 68.

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

Analysis for Dream

Table 1: Summary statistics for penguins on Dream

sex		N	mean	sd
female	body_mass_g	34	3527.21	285.33
	bill_length_mm	34	46.57	3.11
	bill_depth_mm	34	17.59	0.78
male	body_mass_g	34	3938.97	362.14
	bill_length_mm	34	51.09	1.56
	bill_depth_mm	34	19.25	0.76

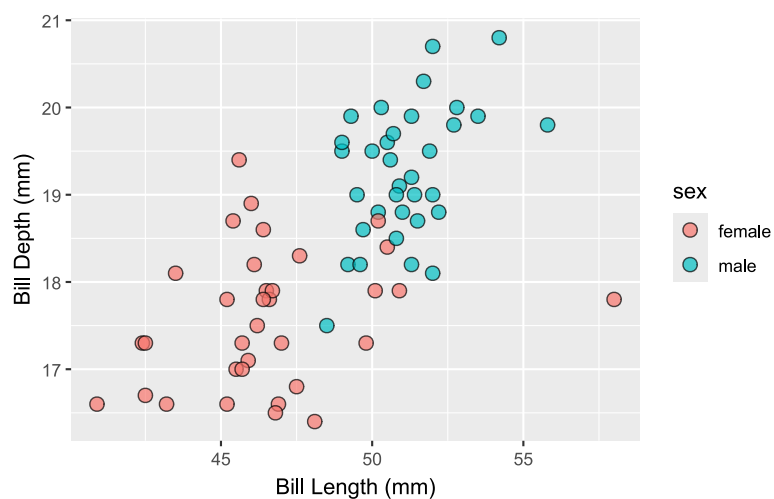


Figure 1: Scatter plot of bill dimensions for penguins on Dream

The summary statistics of penguins on Dream 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 Dream. The results are summarized below in Table 2.

Table 2: Regression results for penguins on Dream

	(1)
(Intercept)	13.151 (1.729)
bill_length_mm	0.095 (0.037)
sexmale	1.234 (0.246)
Num.Obs.	68
R2	0.587
R2 Adj.	0.575
AIC	157.0
BIC	165.9
Log.Lik.	-74.515
RMSE	0.72