

## 2024-06-28 skeeter forecast

Good afternoon! Here is your Skeeter report for June 28, 2024.

Today we counted 6 skeeter rafts. The closest prediction today was made by Z with a prediction of 17. Get your predictions in before tomorrow's count for a chance to show off your prediction skills!

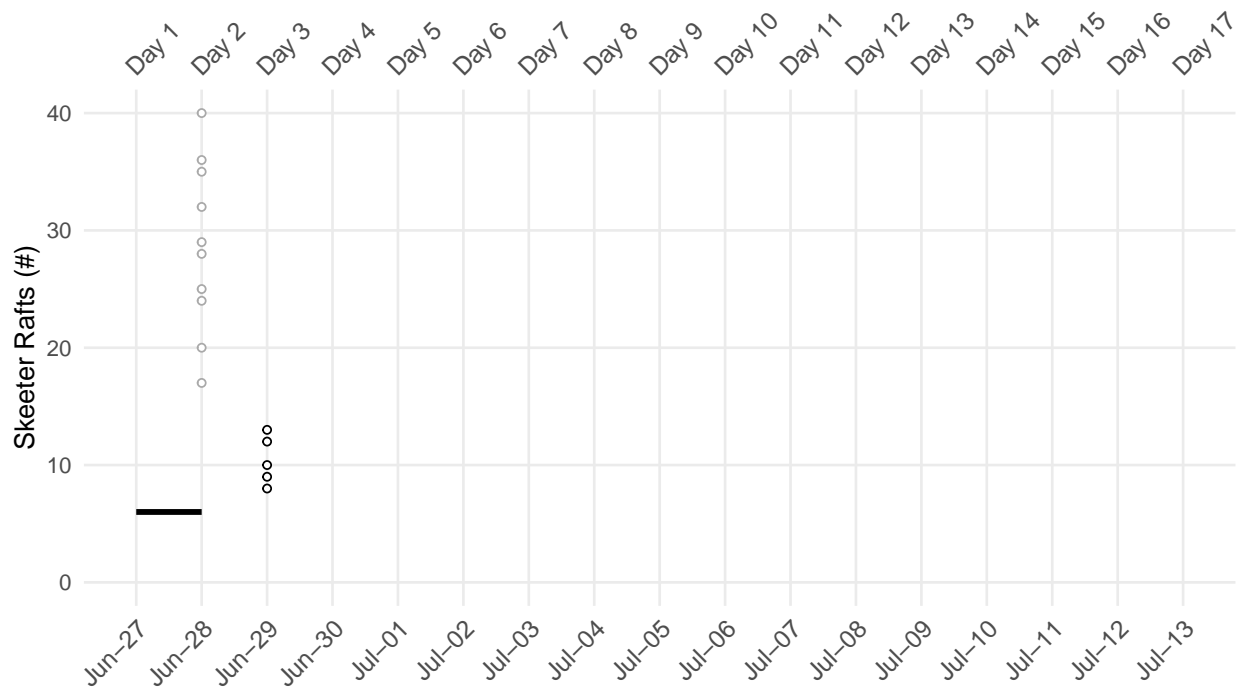


Figure 1: Daily predictions (past = grey circles, current = black circles) and observations (black line) of mosquito rafts counted in mesocosms.

To measure prediction accuracy, we will calculate the mean absolute error,

$$MAE = \frac{\sum_i^n |y_i - x_i|}{n}$$

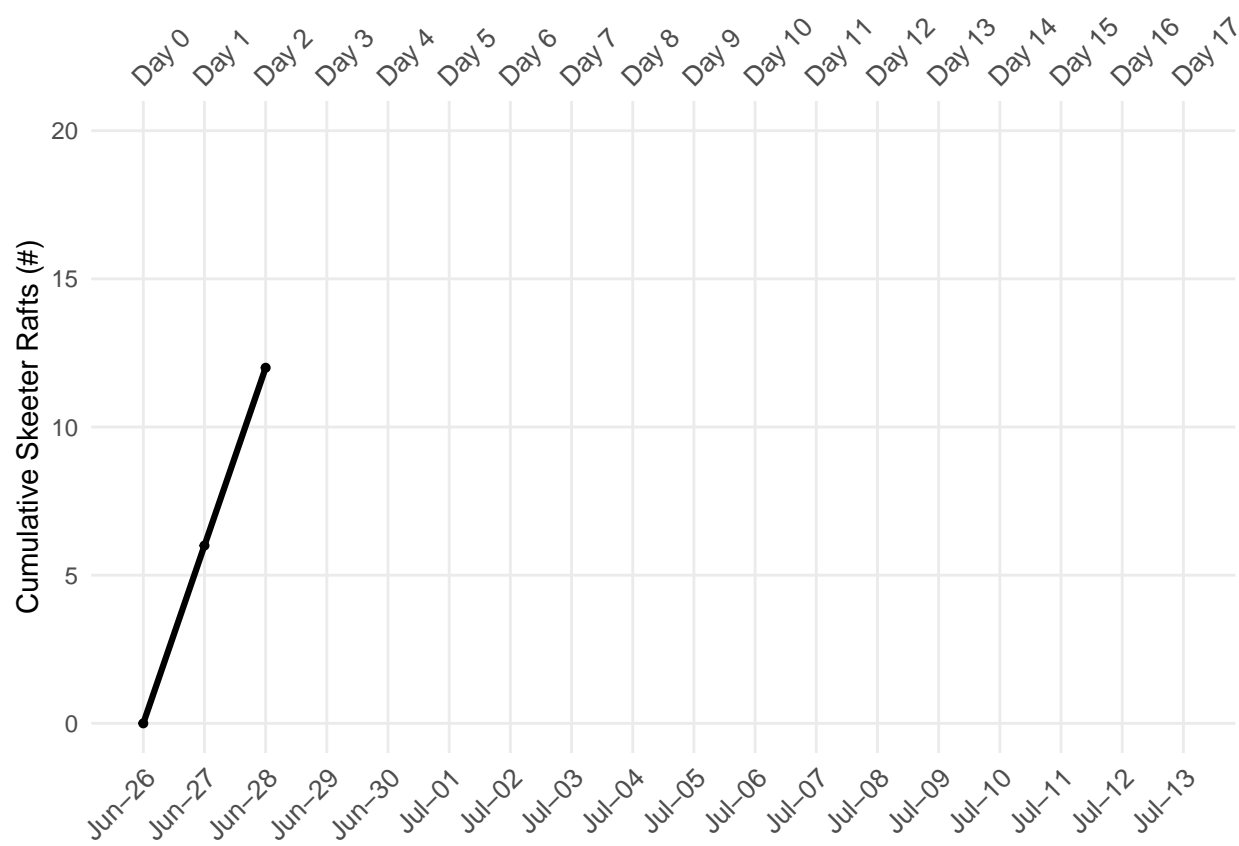
where,  $y_i$  is the prediction,  $x_i$  is the observed value, and  $n$  is the number of observations.

Rankings

Table 1: The rankings to date are:

name	2024-06-28	MAE
ZC	11	11
GD	14	14
ARM	18	18
CRG	19	19
JRJ	22	22
EAC	23	23
JMR	26	26
JRB	29	29
AM	30	30
JD	34	34

Cumulative patterns



Forecasts

Here are a few different models to forecast raft counts for 2024-06-29.

Previous value

The simplest prediction is to simply predict the previous raft count.

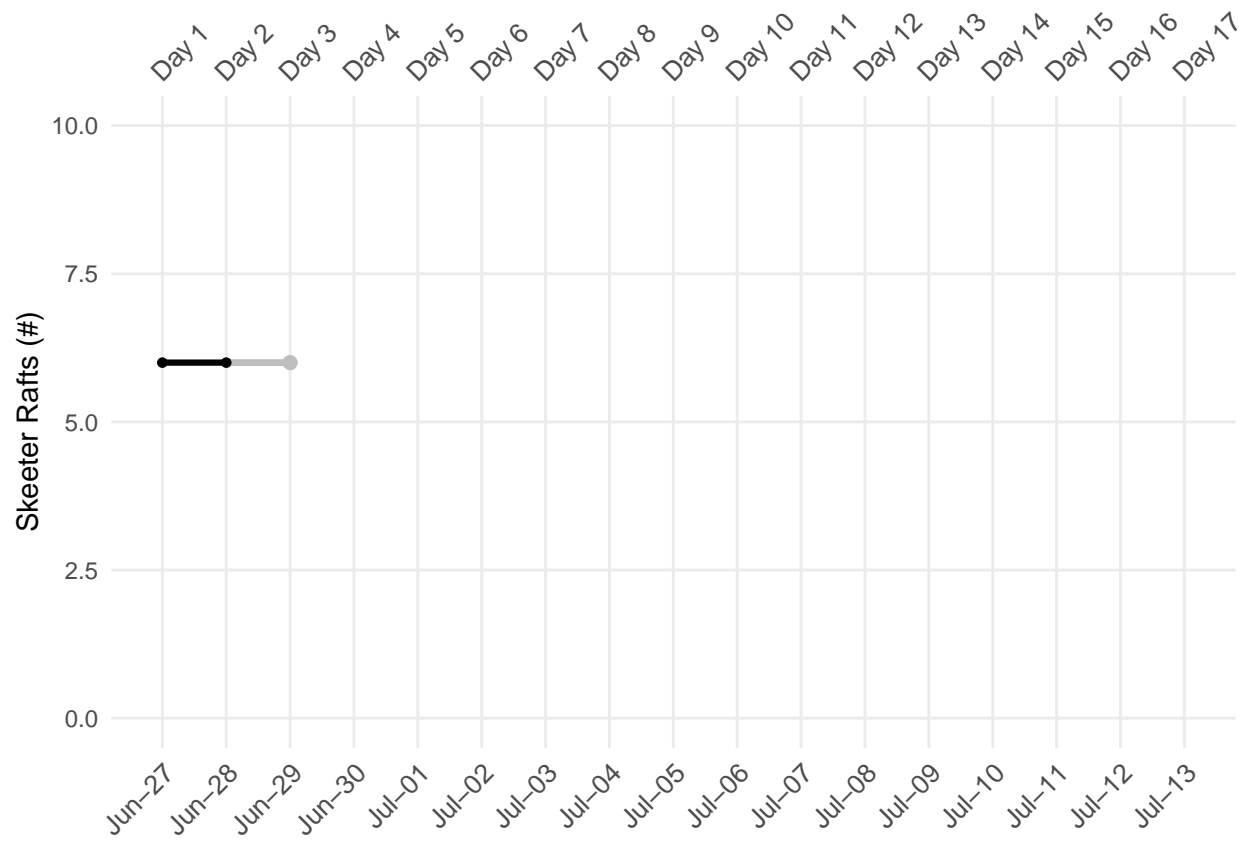


Table 2: Mean predictive deviation of last value approach

2024-06-28	MAE
0	0

more forecasts to come...