DOC Activity Counter Network: Visitor Asset Utilisation Report



Technical Report

For equipment number 100082785 at Godley Head Track December 13, 2023

This uncalibrated counter data set ranges between 13/11/2008 and 14/09/2021 with a total count of 146414 in 112512 hourly observations. This document is set up to view the number of counts at an hourly scale, then to view the patterns there are over time (year, month, and day). At the daily level we fit a model that shows the relationship of the counts with time, month, and the Christmas holidays which seem to be the peak time at many sites. These reports are automated, so this trend needs to be evaluated by how well the model in red on Figure 1b matches with the the data.

We estimate that there was an increase in the number of visitors over time. The busiest 10 days are shown in Table 1 and the longest 10 occasions without any visitors are shown in Table 2. This should give a rough idea of the strength and validity of the data.

Date	Count
2014-09-19	929
2009-04-12	698
2014-09-20	667
2008-12-27	566
2009-04-10	535
2009-04-05	496
2009-01-11	453
2009-01-01	441
2009-03-08	425
2009-01-02	418

Table 1: Busiest 10 days in the dataset

Date	Days no visits
2018-12-05	49.04
2010 - 03 - 25	27.92
2011-12-29	26.33
2014 - 10 - 25	25.25
2012-02-21	23.96
2012-08-09	13.79
2012-03-20	12.04
2011-12-17	11.88
2014-11-28	11.88
2014-10-10	10.50

Table 2: The 10 Longest times without any visitors for a period.

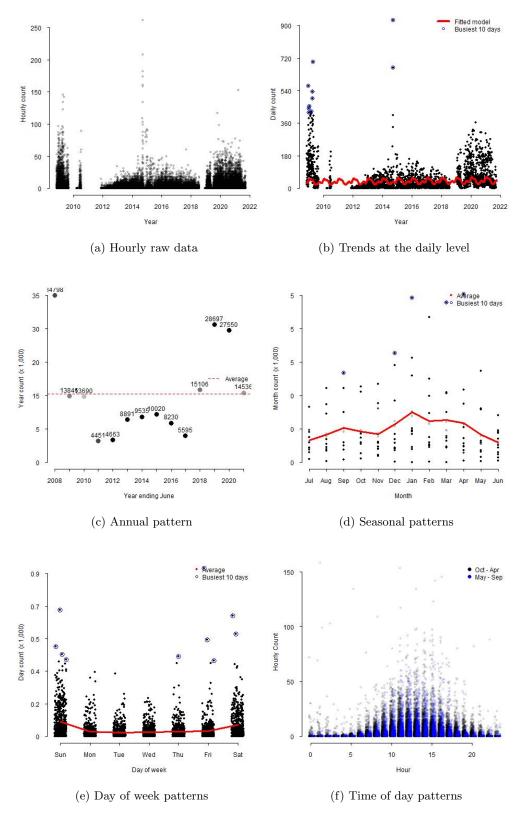


Figure 1: Basic trends in visitor counter data shown by (a) the raw hourly data, (b) model of the trend in count by time, season, and, Christmas holiday, (c) sum of counts annually with incomplete years in grey, (d) monthly patterns, (e) weekday patterns, and (f) hourly patterns. If a point was incomplete we filled that month/year with what was predicted to occur and faded the point as a function of the amount of uncertainty.