Hooded parrot

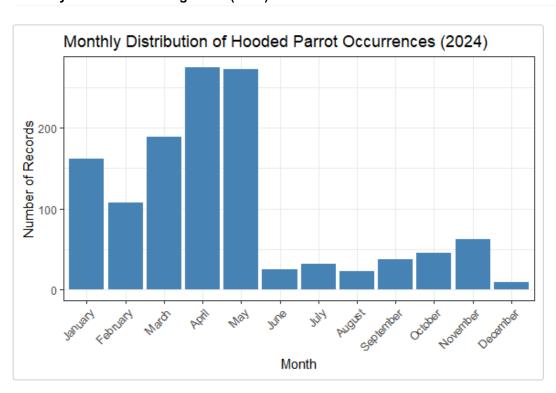


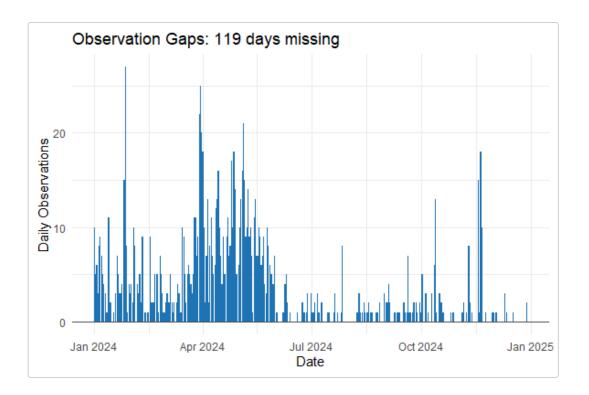
Hooded Parrot

We are investigating occurrence data of <u>Hooded parrot</u> in Australia from the **Atlas of Living Australia**, and make a map showing the spatial locations of sightings for 2024.

the length of the records is 1236

Monthly Distribution of organism (2024)

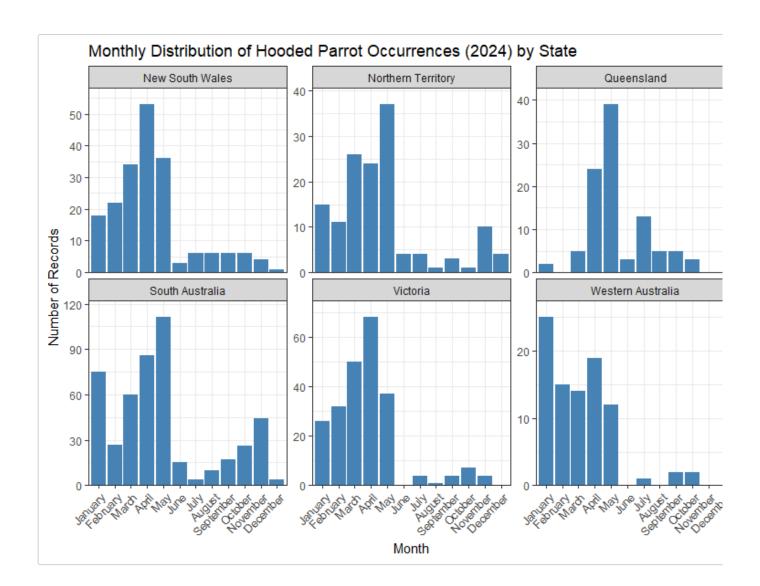


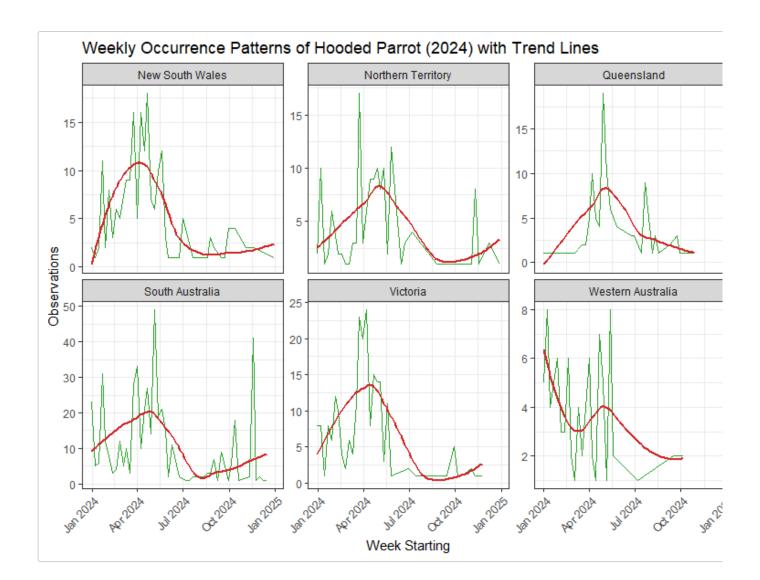


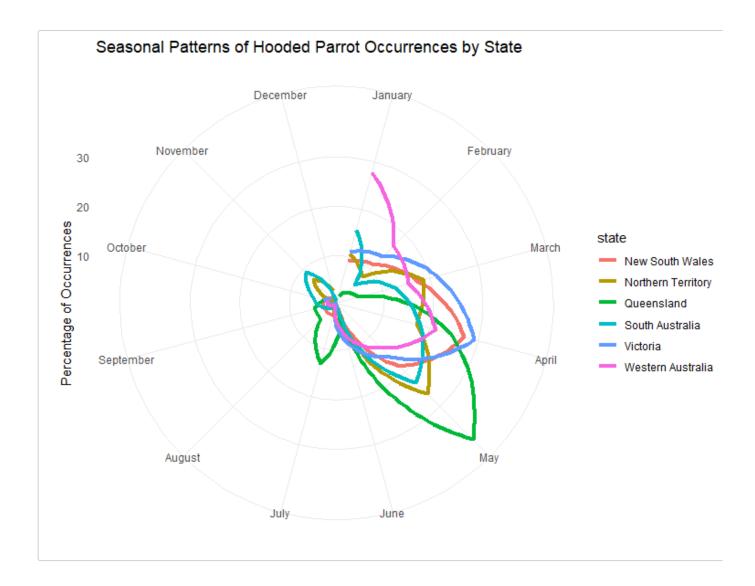
Nearest Weather Station Mapping

```
#>
               State Frequency
#> 1
      South Australia
                        479
            Victoria
#> 2
                         233
#> 3 New South Wales
                         195
#> 4 Northern Territory
                         140
#> 5
           Queensland
                          99
#> 6 Western Australia
                           90
```

Pattern Analysis







Datasets Overview

We have organized the Hooded parrot occurrence and weather station data into the following structured datasets, stored in the data/ directory:

- hooded_parrot_2024.rda
 Contains Hooded parrot occurrence records across all states in Australia.
- hooded_parrot_2024_ws.rda
 An enhanced version of the occurrence data, merged with the nearest weather station information, including:

```
--Station ID (weather_station_id)
--Station name (stname)
--Geographic details (lat.y, lon.y, address, city, state)
```

- hooded_parrot_top_weather.rda
 Focuses on weather data from the top 3 most frequently recorded stations associated with Hooded parrot occurrences.
- weather_stations.rda
 A standalone dataset of all unique weather stations in Australia, providing reference metadata for cross-referencing.