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| --- | --- | --- | --- |
| Variable Name | Description | Type | How It Was Coded |
| scientificName | Scientific name of the deer species | Categorical | Direct from ALA data (scientificName) |
| decimalLatitude | Latitude coordinate of the observation | Numeric | Filtered to remove NA values |
| decimalLongitude | Longitude coordinate of the observation | Numeric | Filtered to remove NA values |
| eventDate | Original date of observation as a string | Character | Used substring(eventDate, 1, 10) to extract the date component |
| observation\_date | Cleaned date of observation | Date | Transformed from eventDate using ymd() from lubridate |
| year | Year extracted from observation\_date | Integer | Created using year(observation\_date) |
| month | Month extracted from observation\_date | Integer | Created using month(observation\_date) |
| stateProvince | State where the observation occurred (always NSW) | Categorical | Filtered to New South Wales using galah\_filter() |
| basisOfRecord | Method by which the observation was recorded | Categorical | Comes from ALA (e.g., HumanObservation, MachineObservation) |