



ATTENBOROUGH-PEDIA

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PROJECT OVERVIEW

- Analyse and visualise the subtitles from a David Attenborough documentary series
- Learn about Natural language processing and Visualisation
- Identify change in language patterns across different series

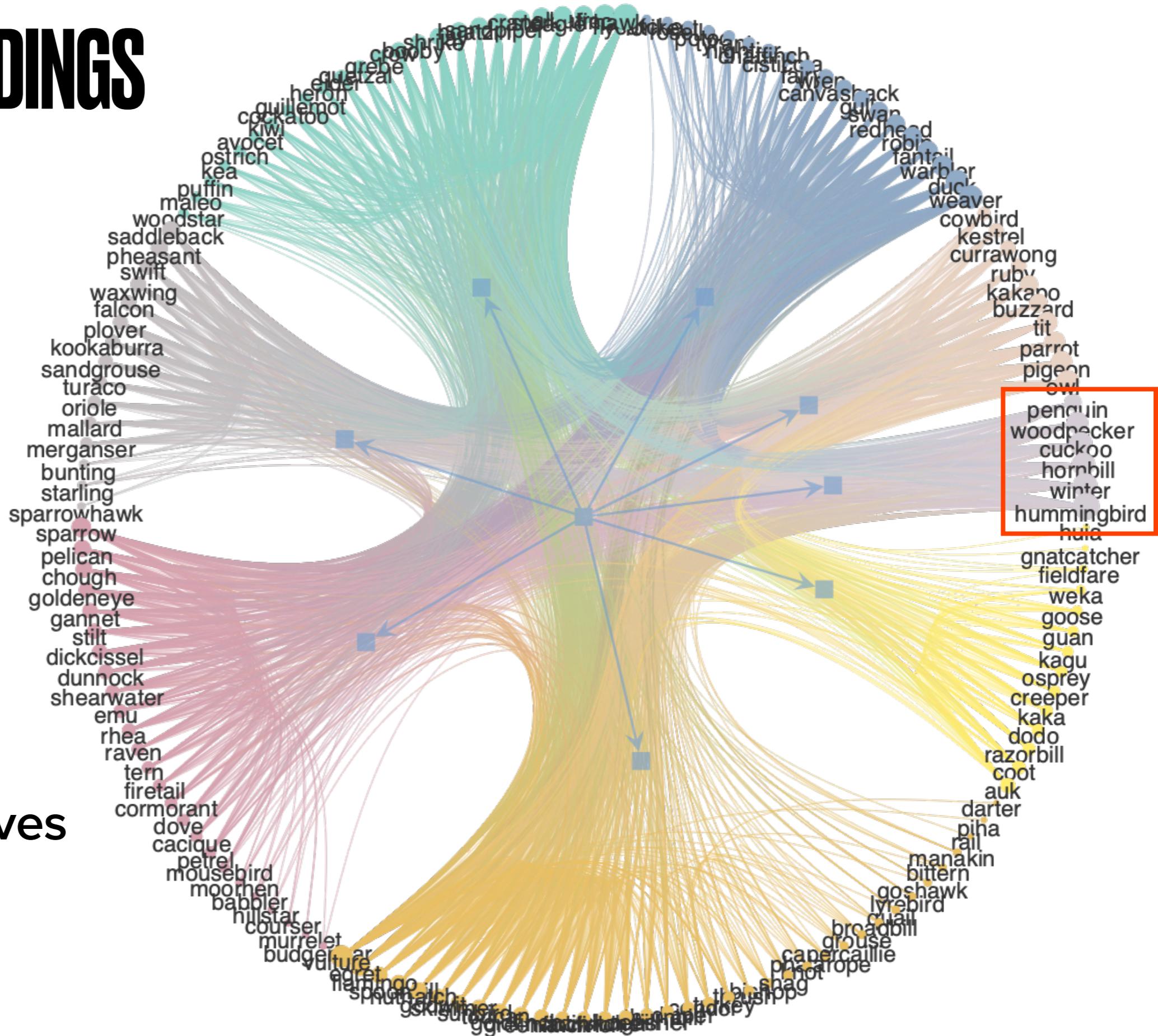
WHAT HAVE WE DONE



- Processed 'Life of Birds' subtitles
- NLP to extract nouns, adjectives and bird names
- Constructed network of terms
- Performed a range of analysis on the graph/network

INITIAL FINDINGS

Bird network
based on
shared adjectives



A word cloud where each word represents a bird name, often accompanied by its scientific name in smaller text. The words are arranged in a grid-like pattern with varying sizes and colors. The colors include blue, red, green, yellow, orange, purple, and pink.

Some of the visible words and their corresponding scientific names are:

- Ostrich (Struthio camelus)
- Turkey (Meleagris gallopavo)
- Sparrow (Passer domesticus)
- Petrel (Pterodroma sp.)
- Rail (Rallidae)
- Kiwi (Apteryx sp.)
- Capercaillie (Tetrao urogallus)
- Darter (Anhinga melanogaster)
- Condor (Gymnogyps californianus)
- Albatross (Diomedea sp.)
- Dickcissel (Spiza americana)
- Kingfisher (Alcedo atthis)
- Eagle (Accipitridae)
- Courser (Glareola sp.)
- Coot (Fulica atra)
- Knot (Calidris canutus)
- Gannet (Morus bassanus)
- Stilt (Himantopus himantopus)
- Quail (Oreortyx pictus)
- Goshawk (Accipiter gentilis)
- Maleo (Macrocephalon maleo)
- Penguin (Spheniscidae)
- Goldeneye (Bucephala clangula)
- Kea (Nestor notabilis)
- Heron (Ardeidae)
- Grouse (Tetraoninae)
- Guillemot (Uria aalge)
- Wren (Trochocercus trochocercus)
- Pelican (Pelecanidae)
- Dunnock (Prunella modularis)
- Warbler (Parulidae)
- Vulture (Aegypiidae)
- Murrelet (Synthliboramphidae)
- Hummingbird (Trochilidae)
- Ruby (Lampornis clemenciae)
- Dipper (Cinclidae)
- Cormorant (Phalacrocoracidae)
- Shearwater (Procellariidae)
- Dove (Columbidae)
- Grebe (Podicipedidae)
- Shag (Phalacrocoracidae)

A word cloud featuring numerous bird names in different colors. The words are arranged in a cluster, with some overlapping. The colors used include blue, green, red, orange, yellow, purple, pink, and grey. Some words have smaller text below them, likely indicating a scientific name or a related term.

A large, stylized word cloud featuring various New Zealand bird names in different colors. The words are arranged in a grid-like structure, with some words appearing multiple times in different colors. The colors used include brown, green, blue, purple, yellow, orange, pink, and red. The words include: weka, currawong, cisticola, creeper, kagu, dodo, razorbill, chaffinch, tern, rosella, owl, lorikeet, manakin, thrush, petrel, goose, winter, pigeon, kaka, woodstar, fieldfare, tyrant, fairy, wren, tui, firebird, hillstar, flycatcher, redhead, fantail, gull, pheasant, unting, firecrest, and bower bird.

Adj & birds

Modules

A word cloud centered around the word "Many". Other prominent words include "Blue", "rodent", "special", "female", "aquatic", "indefatigable", "proper", "thick", "great", and "willow". The words are arranged in a radial pattern, with larger words in the center and smaller, related words forming the outer ring.

The image is a word cloud diagram where words are arranged by size and color. The most prominent words are 'delicious' (red), 'determined' (green), 'characteristic' (blue), 'buoyant' (yellow), 'spectacular' (orange), and 'luxurious' (brown). Other large words include 'robust' (purple), 'worse' (pink), 'equipped' (light blue), 'friable' (dark blue), 'torrent' (teal), 'oily' (green), 'well' (yellow), 'wonderful' (pink), and 'mysterious' (brown). Smaller words are scattered throughout the diagram.

NEXT STEPS



- Finalise analysis of Life of Birds
- Run processing and analysis over other series
- Topic modeling ot identify change in focus over time