

birdspecies.csv (compact version Sep 2023)

This data describes some bird species that occur in Finland. The data has been gathered from various sources, translated and postprocessed by Wilhelmiina Hämäläinen 2023, including some external consultation. The intention is to extend the data later to be used for other pruposes. The current version can be used in the Methods of Data Mining (Aalto University) 2023 exercise tasks, but you are not allowed to publish or deliver the data. Note that the data may contain errors or inaccuracies in biological facts (like exact colours or measurement ranges) and is not meant as an ornithological guide.

The compact version contains only 7 fields that are

- species - Finnish name, works as a row identifier (not needed in the analysis)
- group - biological group, see the taxonomy below
- length - body length range (cm)
- wspan - wing span range (cm)
- weight - weight range (g)
- back - main colour of the back
- belly - main colour of the belly

Note: The colours refer to the female bird (in the summer plumage).  
Hint: When using numerical values, you can decide wheather to use the minimum or maximum value of the range or some mid value. Instead of absolute values, it may be more informative to calculate body weight index, BMI=weight/length^2, and wing span index, WSI=wspan/length (to describe how slim or long-winged the bird is).

Taxonomy

- 1. Charadriiformes (shorebirds)
  - 1.1 Lari
    - 1.1.1 Laridae (lokit, gulls)
    - 1.1.2 Sternidae (tiirat, terns)
  - 1.2 Charadrii (kahlaajat, waders)
    - 1.2.1 Scolopacidae (kurpat, sandpipers etc)
    - 1.2.2 Charadriidae (kurmitsat, plovers etc)
    - 1.2.3 Haematopodidae (meriharakat, oystercatchers)
- 2. Anatidae (ducks, geese, swans)
  - 2.1 Anatinae (varsinaiset sorsat, ducks)
    - 2.1.1 dabbling ducks
    - 2.1.2 diving ducks
  - 2.2 Anserinae (hanhet ja joutsenet, geese and swans)
    - 2.2.1 Anserini (hanhet, geese)
    - 2.2.2 Cygnini (joutsenet, swans)
- 3. Gruiformes
  - 3.1 Gruidae (kurjet, cranes)
  - 3.2 Rallidae (rantakanat, rails)
- 4. Phalacrocoracidae (merimetsot, cormorants)
- 5. Podicipedidae (uikut, grebes)
- 6. Gaviidae (kuikat, loons)
- 7. Ardeidae (haikarat, herons)