Abalone Age

Overview

The age of abalone is determined by cutting the shell through the cone, staining it, and counting the number of rings through a microscope – a boring and time-consuming task. Other measurements, which are easier to obtain, may be used to predict the age.

Variables

Variables from left to right on the abalone.txt file are:

- Sex: M, F, and I (infant)

- Length: Longest shell measurement (mm)

- Diameter: perpendicular to length (mm)

- Height: with meat in shell (mm)

- Whole weight: whole abalone (grams)

- Shucked weight: weight of meat (grams)

- Viscera weight: gut weight after bleeding (grams)

- Shell weight: after being dried (grams)

- Rings: +1.5 gives the age in years

These variables were measured on 4177 abalones.

References

- Warwick J Nash, Tracy L Sellers, Simon R Talbot, Andrew J Cawthorn and Wes B Ford (1994) "The Population Biology of Abalone (Haliotis species) in Tasmania. I. Blacklip Abalone (H. rubra) from the North Coast and Islands of Bass Strait", Sea Fisheries Division, Technical Report No. 48 .

Data Source

UCI machine learning Repository.