

Speaker: Sabrina Yang

Title: Abalone Alone – Age Prediction of Abalone

Abstract

Abalone, a common name for sea snails, is not only a food source for human, but also an important creature to balance the marine biological system. Thus, I am interested in whether or not there are certain factors that can help us predict the age of abalone. 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, like height and weight, which are easier to obtain, are used to predict the age.

To simplify the task, I divided abalone into groups that is based on gender-- Male, Female, and Infant. Then, the factors that I took into considerations are length, diameter, height, whole weight, shucked weight, viscera weight, and shell weights. The number of rings is the value that I was predicting since the number of rings represent the age of abalone.