

At Last Count (Discrete Mathematics)



Overview

Purpose - To help students apply their understanding of data analysis and to demonstrate how these concepts relate to the real world.

Prior Knowledge - Students should have some understanding of the following: box and whisker plots, correlation coefficient, least squares regression line, mean, standard deviation, Venn diagrams, probability and two-way tables.

Description - Students answer a series of questions that they can complete in class or at home (a Zoo visit is not required). The questions are based on real data from the 2002 Great Australian Night Stalk and are related to the topics above.

Duration - Approximately 1 – 1.5 hours

Conservation Message - Each person should recognise a need to preserve native habitats and arrest the extinction of presently surviving native species.

Links to Curriculum

M

Maths

Chance and Data - Plan and undertake data collection and organise, summarise and represent data for effective and valid interpretation and communication.

Working Mathematically - Students recognize when mathematics may assist in dealing with a practical problem.

V

Values

Environmental Responsibility - Diversity of Species: Each person should recognise a need to preserve native habitats and arrest the extinction of presently surviving native species.

