

# Relationship between frog size and weight in the Sierra Nevada yellow-legged frog, *Rana sierrae*

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## Abstract

## Introduction

## Methods and Materials

We captured xx post-metamorphic *R. sierrae* (hereafter, “frogs”) from Mesa Lake, Sierra National Forest, on August 15, 2023. Frog snout-vent length was measured to the nearest millimeter using digital calipers and frogs were weighed to the nearest gram using a spring scale. To describe the relationship between length and weight, we plotted  $\log_{10}(\text{frog weight})$  against  $\log_{10}(\text{frog length})$ .

## Results

The relationship between frog length and weight was linear on a  $\log_{10}$  scale and showed little scatter around the regression line.

