

Intraspecific variation in morphology and sexual dimorphism in *Liolaemus tenuis* (Tropiduridae)

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Liolaemus tenuis is a widely distributed arboreal lizard species in central-southern Chile. Although two subspecies, *L. t. tenuis* and *L. t. punctatissimus*, have been described based on sexual dimorphism, their characteristics have not been accurately demarcated. Therefore, both traditional and geometric morphometrics were used to study the morphological variation of *L. tenuis*. Four specific questions were addressed: (1) Does population morphological variation occur along a latitudinal gradient, given its wide geographic distribution in a climatic gradient? (2) Does *L. tenuis* present sexual dimorphism? (3) In the case of dimorphism, what is the variation along a latitudinal gradient? (4) Are these subspecies morphologically distinguishable? The study was performed in a variety of locations, including the following six bioclimatic regions of Chile: arid mediterranean, semi-arid mediterranean, sub-humid mediterranean, humid mediterranean, per-humid mediterranean, and oceanic with mediterranean.