pamtorch: an ecoystem for analysis of passive acoustic monitoring data in R

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UNDER CONSTRUCTION

This repository is currently being revisited. An update will be released in early September 2025.

Executive Summary

The interconnected crises of biodiversity collapse, climate change, and systemic health decline are a conservation challenge. Conservation technology like camera traps, drones, eDNA, and passive acoustic monitoring are critical tools for conservationists to monitor the impacts of conservation interventions on biodiversity. The R programming environment is widely used by ecologists and conservationists.

Existing solutions in R include GibbonNetR Clink and Ahmad (2025)

Signatories

Project team

Contributors

Consulted

The Problem

An example in-text citation (**wickham2016?**).

The proposal

Overview

Detail

Minimum Viable Product

Architecture

Assumptions

External dependencies

Project plan

Start-up phase

Technical delivery

Other aspects

Budget & funding plan

Success

Definition of done

Measuring success

Future work

Clink, Dena Jane, and Abdul Hamid Ahmad. 2025. "gibbonNetR: An r Package for the Use of Convolutional Neural Networks for Automated Detection of Acoustic Data." *Journal of Open Source Software* 10 (110): 7250.