

PESKAS data report (testing version)

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Aim

This report summarises relevant statistics and insights from the Peskas platform during the period Jul 2017 - Oct 2021. The report examines the main temporal trends in the national revenue related to small-scale fishing in Timor-Leste and provides quantitative and qualitative information on the catches.

What is Peskas

Peskas is the official fisheries national monitoring system of Timor-Leste and represents one of the most sophisticated data collection systems for small-scale fisheries in the world.

Peskas' platform collects real-time information directly from fishermen's activity via a system of digital surveys developed in [KoBo toolbox](#). In addition, Peskas uses the technology provided by [Pelagic Data System](#) to record vessel movements via solar-powered tracking devices (see Figure 1).

The data and the information collected is subjected to an elaborate processing and cleaning through an open-source code pipeline on [GitHub](#), and provide important data in the hands of

fisheries officers, researchers and local stakeholders and enables them to better understand the contribution of fish and fisheries to local livelihoods and food security.

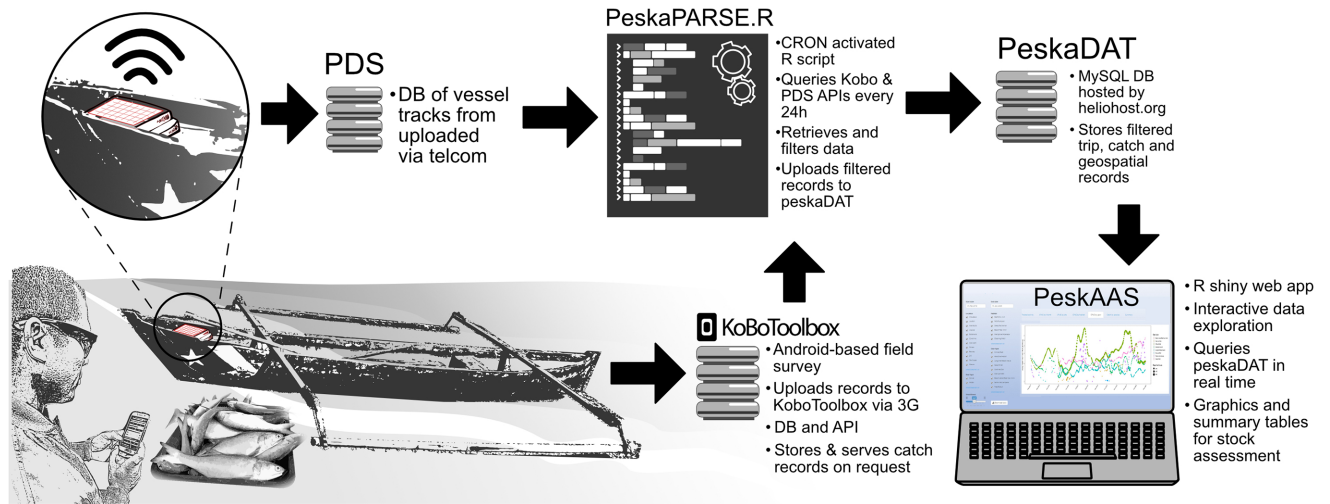


Figure 1: A diagrammatic representation of the Peskas application

National revenue

Revenue calculation...

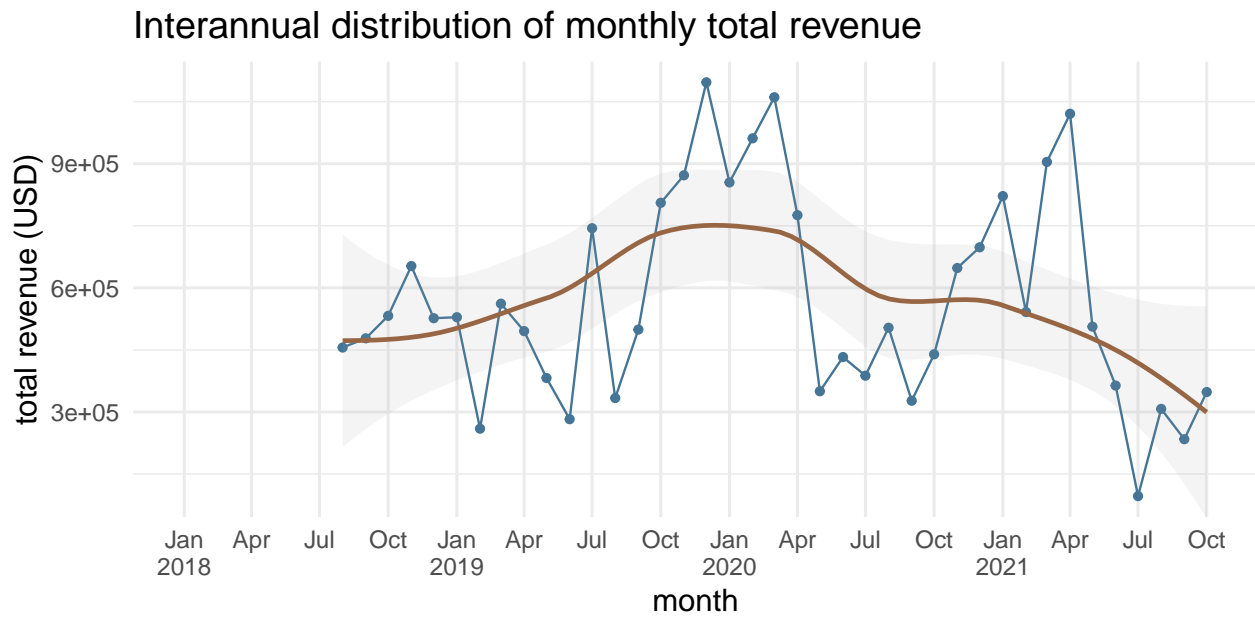


Figure 2: Time series of monthly aggregated total revenue. The red line is the local polynomial regressions fitted to the time series while the shaded area represents the 0.95 confidence interval.

Seasonal distribution of monthly total revenue

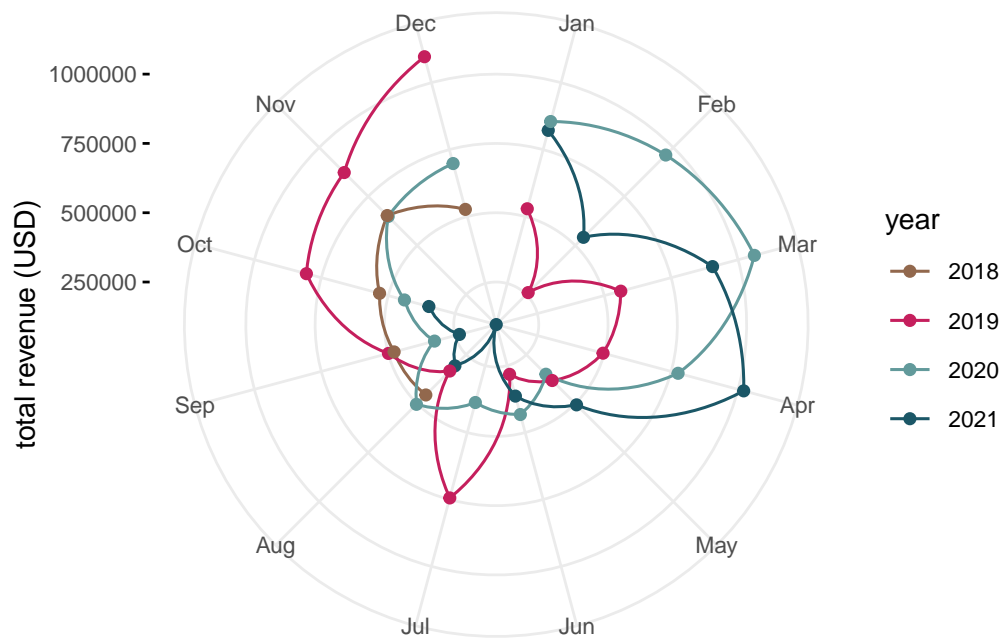


Figure 3: Seasonal revenue

Catches in Timor-Leste

Brief explanation of how identification works, must contain the table of catch codes table

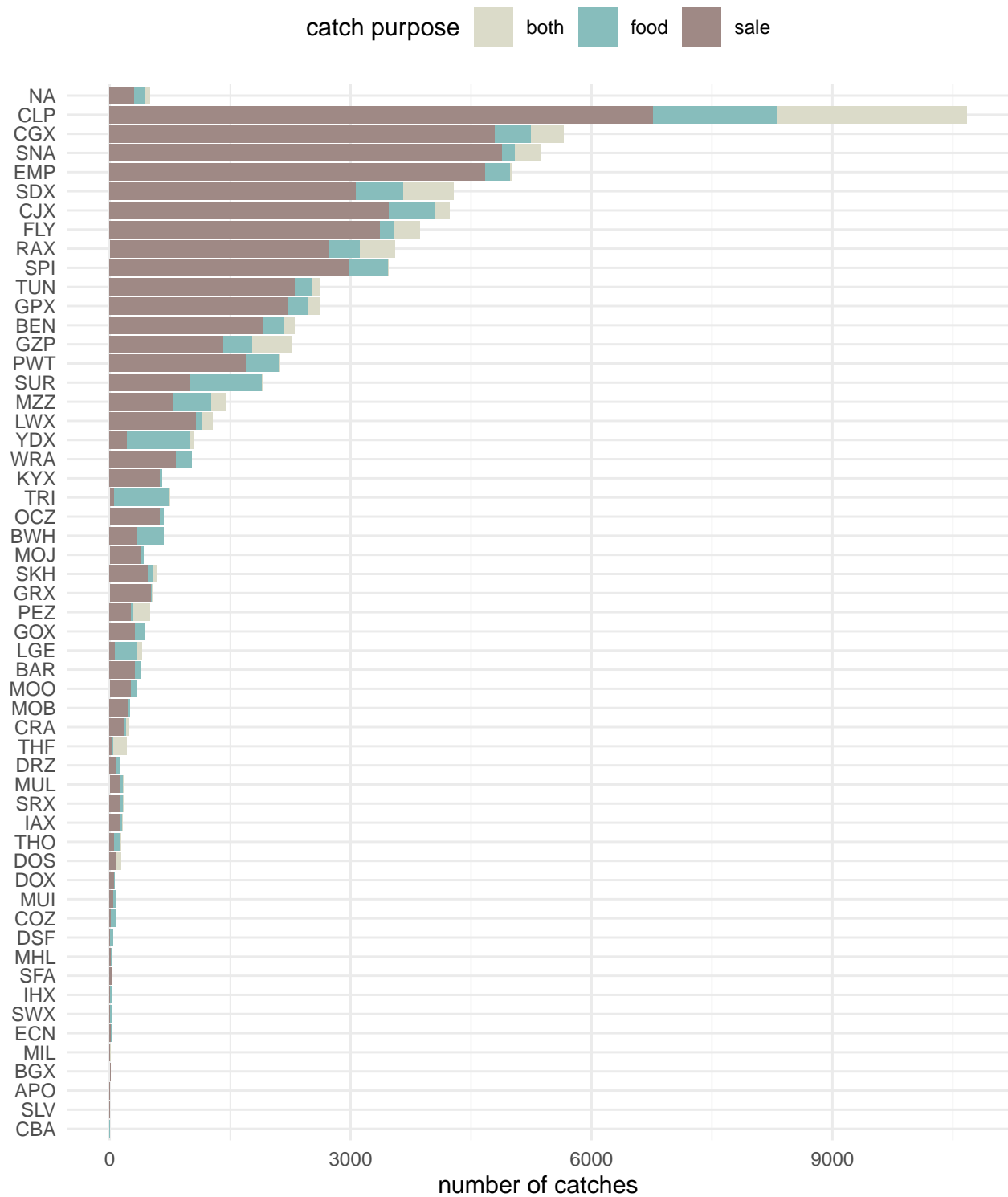


Figure 4: Distribution of the catches ranked by catch code. Each bar is colored according to the proportion of the catch final usage.

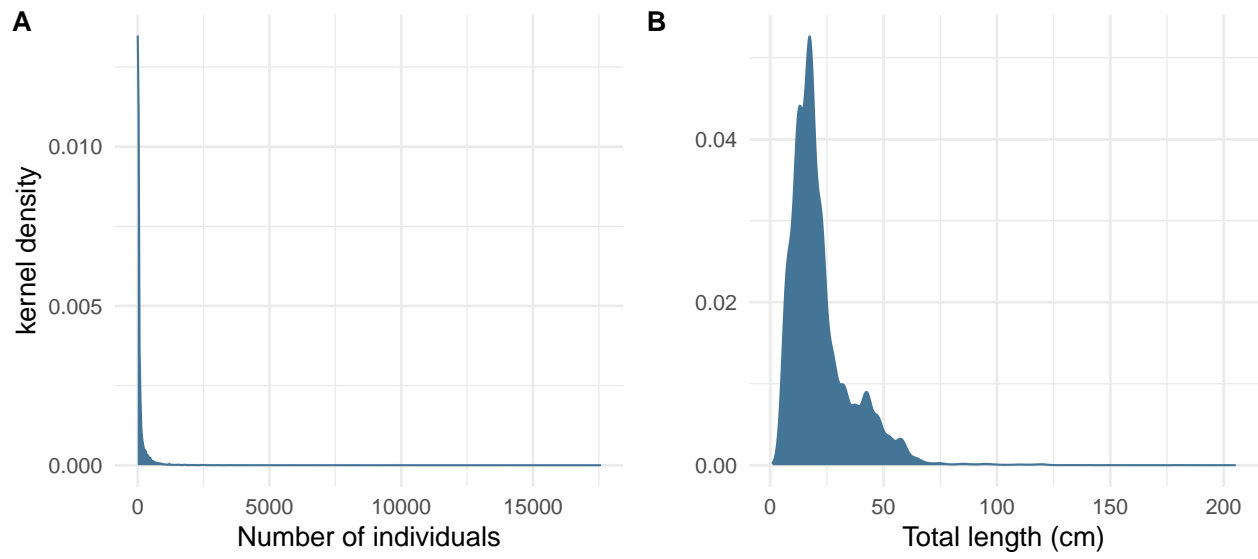


Figure 5: Main catches descriptors. Distribution of the number of individuals (A) and their length (B) considering all the catches.