Hans Ttito

Data Fisheries Analyst

▶ Lima, Peru

▶ peruvian

▶ singled

Skills

R — 8+ yrs.

Data Analysis — 9 years

Shiny — 3 yrs.

Python — 3 yrs.

Power Bi — 3 years

Rmarkdown — 2 yrs.

Quarto — 1 yr.

Tools

▶ Git Hub

▶ RStudio

▶ VS Code

▶ AWS

Summary

Data Analysis Specialist with experience in monitoring and evaluating fishery stocks, process automation, development of dashboards and web applications for the visualization of biological-fisheries information, and development of automation programs focused on ETL of data.

Experience

Data Scientist — presente - 2023
NextInnovation

- Development of web applications using Amazon EC2 and serverless functions with AWS Lambda.
- Data processing, analysis, and visualization.
- Backend service development in Python with AWS Lambda and management of databases using Amazon RDS, Parquet, and CSV files in S3.
- Configuration of AWS CodeBuild for continuous integration and continuous delivery (CI/CD), automating code build, testing, and deployment.
- Use of Amazon EventBridge for event orchestration and service integration, enabling coordination between system components and improving real-time event response.

Fisheries Biological Data Analyst — 2023 - 2015
Imarpe - AFIRNP

- Exploratory analysis of biological-fishery data for the monitoring and assessment of pelagic resources.
- Design of protocols for collecting information from pelagic fisheries.
- Application of supervised learning algorithms (Linear Models, GLM, GAM) for monitoring and classifying pelagic fisheries.
- Use of unsupervised learning algorithms (clustering, K-means) to identify patterns in pelagic fisheries.
- Identification of patterns related to migration and behavior of fishery resources.
- Calculation of biological and fishery indicators to describe stock status.
- Writing of technical-scientific reports for fisheries management and regulation.
- Automation of data processing for the preparation of technical-scientific reports.

Research Assistant — 2015
Imarpe - AFDPERP

- Support in the collection and processing of biological-fishery information.
- Support in the development of supervised and unsupervised learning algorithms for monitoring and evaluating fisheries.
- Support in the development of automation programs in R for the preparation of technical-scientific reports.

Research Assistant — 2015
Imarpe - AFIRTAM

- Preparation of distribution maps for highly migratory resources.
- Reception and processing of fishery information (landings, fishing areas) for highly migratory resources such as mackerel, jack mackerel, and bonito.
- Reception and processing of biological information (length structures, maturity, juveniles, etc.) for highly migratory resources such as mackerel, jack mackerel, and bonito.
- Preparation of tables, figures, and reports on the development of the fishery for highly migratory resources.

Education

04/2023 - Ongoing

MSc in Fisheries

Concepcion University

Thesis: Evaluating the effect of Chinook salmon (*Oncorhynchus tshawytscha*) presence on small pelagic fish populations in central and southern Chile.

04/2021 - 12/2021

Data Analyst

DataCamp

Specialization: Analysis of biological and fisheries data.

04/2010 - 07/2015

Fisheries Biologist

San Marcos University

Thesis: Population status of the Pacific bonito (*Sarda chiliensis chiliensis*) under fishing exploitation along the Peruvian coast.

Contact

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- hansttito

Intern   **2014**
Imarpe - AFIRNP

- Support in the elaboration of daily pelagic fishery reports (anchoveta, chub mackerel, jack mackerel, etc.).
- Reception and processing of biological-fisheries information on anchoveta.

Projects

See my **github profile** for a comprehensive list of open source projects.

R packages
Creator and Manteiner
Tivy
Toolkit for processing PRODUCE fishery logbooks and analyzing fishing areas in Peru

R shiny
Creator
https://kevin-ttito.shinyapps.io/shiny-tiny-hackathon/

Appsilon - Hackathon

Publications

Marilú Bouchon Corrales, Miguel Ñiquen Carranza, Milagros Franco, Hans Ttito
Statistics of the pelagic fishery on the Peruvian coast (1959-2015)
2018
https://repositorio.imarpe.gob.pe/handle/20.500.12958/3302

Hans Ttito
Situación poblacional del bonito (Sarda chiliensis chiliensis) ante la explotación pesquera en el litoral peruano
2022
https://cybertesis.unmsm.edu.pe/item/9da59555-c617-47ce-9eb7-975921f86104