Collin Rodrigo Silupú Peñaranda

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About me

Economist graduated from the Pontificia Universidad Católica del Perú, certified as a Data Analyst Professional (V2) with specializations in Web Scraping and Advanced Data Science. I have strong expertise in statistical software such as Stata and SPSS, as well as geographic information systems like ArcGIS and ArcGIS Pro. My skills extend to various programming languages, including Python, R, Matlab, and GAMS, in addition to experience with data queries using SQL. Furthermore, I possess proficiency in data visualization tools such as Tableau, Power BI, and Looker Studio. I am currently in the first year of the Master's program in Data Science and Artificial Intelligence at the Universidad de Ingeniería y Tecnología (UTEC).

Education

Universidad de Ingeniería y Tecnología, Master's in Data Science and AI	Jan 2024 – Present
DMC Perú, Advanced Data Science Specialization Program	2024
GEM Perú, Specialization in Web Scraping and Data Analytics	2023
Coursera – IBM, IBM Data Analyst (Data Analyst Professional Certificate V2)	2023
Pontificia Universidad Católica del Perú (PUCP), Bachelor's in Economics	Aug 2015 – Dec 2021

Professional Experience

Economic Specialist, Ministry of Production of Peru (PRODUCE) Mar 2024 – Present

- Analysis and identification of quantitative indicators for the prioritization of clusters at the national level and their productive chains, Peru 2023.
- Qualitative and quantitative economic analysis of the productive and socioeconomic performance of businesswomen and their contribution to the Peruvian economy, 2019-2023.
- Quantitative economic analysis of the productive performance of formal entrepreneurship and its impact on the Peruvian economy, 2019-2023.
- Assistance in quantitative economic analysis on the effects of Drawback in manufacturing companies and their productive diversification.
- Processing of databases for the production of socioeconomic indicators.
- Development of the sample design for the National Business Survey (2024).

Research Consultant, Equilibrium Social Development Consultancy (SDC) Jan 2024 – Mar 2024

- Project for the United Nations International Organization for Migration [IOM], the Chamber of Venezuelan Entrepreneurs in Costa Rica [CEVENCO], and the Chamber of Venezuelan Businessmen, Executives, and Entrepreneurs Abroad [CAVEX]: "Impact Study of Venezuelan Migration in Costa Rica: Reality vs Potential".
- Project for the United Nations International Organization for Migration [IOM], the Chamber of Venezuelan Businessmen, Executives, and Entrepreneurs Abroad [CAVEX], and the Swedish International Development Cooperation Agency [SIDA]: "Impact Study of Venezuelan Migration in Aruba: Reality vs Potential".

Research Assistant, Equilibrium Social Development Consultancy (SDC) Mar 2023 – Dec 2023

- Development of a credit classification model based on a psychometric score for the Protagonistas Project of Fundación Capital and Cooperativa Financiera de Antioquia.
- Development of the sample design and data analysis for the Inter-American Development Bank project: Household surveys to quantify the benefits of access to sanitation services in the city of Juliaca.
- Development of the sample design and data analysis for the Inter-American Development Bank project: Household surveys on sanitation in Fernando de la Mora (Itay Basin).
- Support in data collection, processing, and analysis in the IOM project: Impact Study of Venezuelan Migration in Chile: Reality vs. Potential.

Research Assistant, Centro de Investigaciones Sociológicas, Económicas, Políticas y Antropológicas (CISEPA – PUCP)   Jan 2022 – Dec 2022

- Spillover Effects of COVID-19: A Synthetic Control Experiment, project selected for implementation by CONCYTEC-Peru.

Research Assistant, Centro de Investigación de la Universidad del Pacífico (CIUP)   Sep 2021 – May 2022

- Participation in research projects related to Brand Heritage.
- Responsible for data collection, bibliography search, and execution of psychometric models.

Research Assistant, PhD. Mario Tello Pacheco   Mar 2020 – Dec 2021

- "Global Value Chains (GVC) and Export Products of the Andean Community Countries 2000-2019", consultancy for the Andean Community of Nations. Responsible for developing GVC-related indicators and the final statistical tables.
- "Competition, Liberalization and Productivity: The Case of Peru 2003-201", consultancy for the World Bank. Responsible for building the database and descriptive statistics.
- "Synthetic Controls and Dosing Strategy: An Exploratory Provincial Analysis of the Effects of COVID-19 on Income, Employment, and Poverty in Peru, 2011-2020". The project won the XXII Annual Research Competition CIES 2020. Responsible for the technical aspects: data management, creating the program for SCM, and generating output tables and graphs.

Teaching Assistant, Facultad de Ciencias e Ingeniería – Pontificia Universidad Católica del Perú (PUCP)   Mar 2020 – Jul 2020

- Practical classes, preparation and correction of Guided Practices, Qualified Practices, and Exams.

Scholarships and Volunteer Work

Laboratorio de Inteligencia Artificial y Métodos Computacionales en Ciencias Sociales (QLAB-PUCP), Winner of the full scholarship offered by the Laboratorio de Inteligencia Artificial y Métodos Computacionales en Ciencias Sociales (QLAB-PUCP) for the following specialization courses: Advanced Applied Econometrics and Machine Learning for Social Sciences

Additional Courses and Workshops

Public Administration and Fiscal Management: How Governments Work, edX – IDB

Applied Econometrics, QLAB-PUCP

Econometrics with Applications in R and Stata, Grupo Económica PUCP

2023 Methodological Workshop: Use of Data from the Young Lives Longitudinal Study, GRADE

Machine Learning with R, INFOX

Natural Language Processing with NLP and Python, Udemy

Graduate Course in Applied Mathematics – Measure and Probability, PUCP – Graduate School in Applied Mathematics

Machine Learning for Social Sciences, QLAB-PUCP

Economics Activities 2 – Intermediate Stata, PUCP

Economics Activities 1 – Intermediate ArcGIS, PUCP

Economics Activities 1 – Intermediate ArcGIS, PUCP