Dr. Leonardo **Ramirez-Lopez**

Industry Scientist
St. Gallen, Switzerland

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Education

MSc in Business Analytics (with Distinction)
Imperial College London – Business School

United Kingdom
2023–2025

Postdoc
ETH Zürich

Switzerland
2013–2015

Dr. rer. nat. (magna cum laude)
Eberhard Karls Universität Tübingen

Germany
2009–2013

MSc in Agronomy (Soil Science and Plant Nutrition)
University of São Paulo

Brazil
2007–2009

Work experience

Head of Data Science
Data Science Department, BUCHI Labortechnik AG

Switzerland
2020–Present

Data Analytics Manager, NIR
Department of Near Infrared (NIR) Spectroscopy, BUCHI Labortechnik AG

Switzerland
2016–2020

NIR Software Specialist
Department of Near Infrared (NIR) Spectroscopy, BUCHI Labortechnik AG

Switzerland
2014–2016

Postdoctoral Researcher
ETH Zürich / Swiss Federal Institute for Forest, Snow and Landscape Research (WSL)

Switzerland
2013–2015

Associate Scientist
Department of Geosciences, Eberhard Karls Universität Tübingen

Germany
2014

Researcher
Georges Lemaître Centre for Earth and Climate Research, Université Catholique de Louvain

Belgium
2011–2012

Plant Breeding Manager
Palmar del Llano (Oil Palm Plantation)

Colombia
2007

Research Intern
Colombian Research Centre for Oil Palm (Cenipalma)

Colombia
2006

Professional engagement

FAO Global Soil Partnership
Member of the soil spectroscopy steering committee of the FAO Global Soil Partnership, contributing to international coordination, standards, and capacity development in soil spectral analysis.

FAO Consultant Roster
Included on the FAO consultant roster for technical assignments, indicating eligibility for short-term expert engagements with the Food and Agriculture Organization of the United Nations.

Tech stack

For example…
R, Python, SQL, Julia, C++, machine learning frameworks, data visualisation tools, …