

Silvia de Sojo

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EDUCATION

PhD student

April 2022 - On going

DTU - Danmarks Tekniske Universitet

København, Denmark

- Doctoral Thesis: *The gender gap in human mobility*
Advisors: [Sune Lehman](#) and [Laura Alessandretti](#)
Research Unit: Cognitive Systems - Department of Applied Mathematics and Computer Science

MSc in Business Analytics

March 2022

DTU - Danmarks Tekniske Universitet

København, Denmark

- Master's Thesis: *Understanding gender gaps in employment and mobility using large-scale behavioral data*
Advisors: [Sune Lehman](#) and [Laura Alessandretti](#)
Research Unit: Cognitive Systems - Department of Applied Mathematics and Computer Science
Grade: 12/12

BSc in Industrial Technology Engineering

June 2016

UPC - Universitat Politècnica de Catalunya

Barcelona, Spain

- Bachelor's Thesis: *Supply Chain waste removal using Lean and Six Sigma methodology*
Advisors: [Carme Bonastre](#) (HP advisor) and [Xavier Tort-Martorell](#) (UPC advisor)
Research Unit: Complex Data for Business Decisions - Department of Statistics and Operations Research
Grade: 10/10 - with Honors

EXPERIENCE

Business Operations and Finance Analyst

January 2020 – June 2020

UNDP - United Nations Development Program

København, Denmark

- Logistics, Procurement and Financial analysis support to the Office of Information Management and Technology
- Project: *State Revenue Authority (SRA) offices development in South Sudan - UNMISS*
Solar energy supply equipment, VSAT terminals, network procurement and missions coordination.
- Project: *Systemic analysis on UNDP OIMT digital transformation during COVID-19 pandemic*
Collaboration between UNDP and DTU

Program Manager

May 2018 – July 2019

HP Inc - HP Store Sales Operations

Barcelona, Spain

- Strategize, implement, and maintain program initiatives that adhere to organizational objectives. Develop program assessment protocols for evaluation and improvement.
- Recognition: *Imagining the Future*
Nominated by management team after HP Store Operations PoA implementation, increasing coordination between teams and readiness of the initiatives.

Project Manager and Process Engineer

July 2017 - April 2018

HP Inc - HP Store Sales Operations

Barcelona, Spain

- Manage the implementation of investment projects. Expert for mapping and designing optimized processes within HP Store sales operations.
- Project: *On-boarding new strategic Logistics Supplier Partner (LSP) in EMEA*
Management and scheduling, partner management, process design, E2E Testing and IT integration coordination.
- Award: *Leading the Way Award*
Nominated by Sales Ops leadership team after LSP on-boarding.

Business Planner and Analytics

July 2016 - June 2017

HP Inc - HP Store Sales Operations

Barcelona, Spain

- Graduate Program in HP Store planning and forecasting activities for HP e-commerce platforms in EMEA.

Lean Six Sigma Project Manager

September 2015 – June 2016

HP Inc - Customer Support

Barcelona, Spain

- Leading a LSS Green Belt project in Supply Chain during development of Bachelor's Thesis.

Supply Chain Operations Internship

August 2014 – September 2015

HP Inc - Customer Support

Barcelona, Spain

- Data analysis and reporting tools developer for Supply Chain Management.

TEACHING & TALKS

Teacher Assistant

September 2020 – December 2021

DTU - Danmarks Tekniske Universitet

København, Denmark

- Data Science for Mobility / Introduction to Business Analytics - **5 ECTS**
- Technology, Management, Organization and Business Models - **10 ECTS**

Invited Speaker

May 2016

UPC - Universitat Politècnica de Catalunya

Barcelona, Spain

- Speaker in Postgraduate Course: *Improvement Programs Lean Six Sigma (Black Belt level)*.
Lecture: LSS Projects, challenges and learnings from the industry

Committee Representative

January 2018 - May 2018

AQU Catalunya

Barcelona, Spain

- Appointed by Agency for Quality in the University System as Industry Representative in the committee of Supply Chain and Logistics. The committee evaluated and approved the accreditation of official bachelor's and master's degrees.

COMMUNITY & LEADERSHIP

DTU Msc's Mentor

September 2021 – Present

PF - Polyteknisk Forening

København, Denmark

- The program pairs experienced Master students, the mentor, with new Master students, the mentee, to help the new student settle into their studies.

HP Code Wars - Volunteer

March 2015, March 2016

HP Inc

København, Denmark

- HP CodeWars is a first-class computer programming competition for high school students. The first edition in Europe was held in Barcelona in 2015, and the competition hosted 300 students from 49 catalan high schools.

IT for the elderly - Private Teacher

January 2012 – December 2013

Self-organized

Barcelona, Spain

- Private teacher on basic informatics for the elderly

OFFICIAL ACCREDITATION

PRINCE2 Foundation 6th edition

June 2021

Sponsored by United Nations Development Program

Lean Six Sigma Green Belt - More Steam University

October 2016

Sponsored by HP inc

OTHER PROJECTS

How do artists collaborate?

September 2021 - December 2021

DTU - Danmarks Tekniske Universitet

København, Denmark

- Study of the network of collaborations between musicians by genre. Presented in [web format](#)

A house for Haití - Research Project

January 2011 – June 2011

CASP High School

Barcelona, Spain

- Design for a sustainable and earthquake resistant housing in Haiti adapted to the country conditions after the earthquake on January 2010
- Award: [Raimon Algueró Prize](#) | Special Mention: [Research for Peace](#) - University of Barcelona (UB)

TECHNICAL SKILLS

Languages: Python, R, Julia

Frameworks: NumPy, Pandas, Matplotlib, SciPy, scikit-learn, NetworkX, Keras, Apache Spark

Applications: MatLab, Stan, Latex, Linux

LANGUAGES

Catalan (Native) · Spanish (Native) · English (Fluent) · French (B1) · Danish (A2)