

# Serdar Selim Yesildag

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## Summary

Data Analyst with 8 years of experience working with the United Nations and public organizations. Specializing in business intelligence, survey design, and both quantitative and qualitative research methodologies. Proven track record of delivering actionable insights through advanced data analysis, report writing, and dashboard design. Skilled in machine learning algorithms and neural network development to support data-driven decision-making.

## Education

Northeastern University, Vancouver. 2024 — Ongoing

MPS in Analytics and Applied Machine Intelligence.

California State University, Chico. 2007 — 2011

BAs in Economics and International Relations.

## Languages

English (Fluent), Spanish (Intermediate)

## Technical Proficiencies

- ◆ Python, R
  - ◆ Tableau, Power BI
  - ◆ IBM SPSS
  - ◆ MS SQL, MySQL
  - ◆ Open Data Kit, Kobo Toolbox
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## Professional Experience

### United Nations World Food Programme

Research, Assessment and Monitoring Officer, Freetown, Sierra Leone Country Office.

Sep 2022 — Aug 2023

- Managed the implementation of household level food security surveys and analyzed the results for supporting programmatic design process of WFP operations and wider humanitarian stakeholders in Sierra Leone.
- Supervised post distribution monitoring surveys and established digital activity implementation monitoring processes to track the progress of project indicators at outcome and output levels.
- Conducted research on market price trends and macro economic indicators investigating underlying causes of changes in food insecurity levels and obstacles restraining the development of local food production supply chains.
- Assessed the monitoring and evaluation capacity of the Country Office, identified gaps and implemented solutions that are compliant with corporate requirements and established standard operational procedures (SOP) for annual country office monitoring plan.
- Managed digitalization of data collection, analysis and reporting processes for efficient and effective reporting of output and outcome indicators to facilitate technical analysis, interpretation and information management.
- Designed and updated monitoring data collection surveys to ensure adherence to activity logframe requirements and country office strategic objectives.

Data Analyst, Corporate Planning and Performance Division, Rome HQ.

Oct 2021 — Aug 2022

- Analyzed data from WFP humanitarian operations over 80 countries contained in various data repositories for monitoring corporate KPIs and informing decision making process at management level.
- Managed various corporate dashboards that analyses WFP global operational data for corporate activity output reporting pertaining to over 4 million metric tons of food and 3.3 billion USD cash based transfers to 120 million beneficiaries worldwide.
- Designed a suite of dashboards for reporting various dimensions of global WFP assistance operations focusing on assistance delivery metrics, caloric value estimates and expenditures per beneficiary measurements.
- Ensured that the corporate dashboards are timely updated and aligned with WFP's corporate reporting standards.
- Provided guidance to WFP regional bureaus and country offices for food distribution reconciliation process, supporting corporate accountability activities and ensuring accurate reporting of food movements between WFP and it's cooperating partners.

**Vulnerability Analysis and Mapping Associate, Ankara, Turkey Country Office.****Aug 2017 — Oct 2019**

- Analyzed periodic survey data for studying the living conditions of 3.6 million Syrian refugees in Turkey for drafting internal and external reports.
- Managed and led the implementation of 450+ focus group discussions across 7 field offices with participation of over 4000 Syrian refugees.
- Created internal dashboards for tracking the progress of project monitoring activities such as vulnerability assessments, food security surveys and field visits across 80 provinces of Turkey.

**Administration Assistant, Ankara, Turkey Country Office.****Sep 2016 — July 2017**

- Provided office administrative services such as facilities maintenance, travel, and light vehicle fleet management to 185 staff across 7 field offices.
- Digitalized administrative request mechanisms via implementing web forms for ensuring sound execution of operating procedures and sound record keeping.

**Investment Support and Promotion Agency of Turkey****Project Director, Public Private Partnerships Unit, Istanbul.****Aug 2012 — May 2015**

- Conducted market intelligence research and supply chain analysis of various sectors to identify potential opportunities for foreign direct investments.
- Identified sectors and prioritized promotion activities for investment areas with the highest potential for supporting national economic development.
- Represented the agency at national and international conferences and organized B2B meetings between local and international corporations for exploring possible joint ventures, merger and acquisition processes.

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**Portfolio Projects****Powertrust Tableau Dashboard - [Link to dashboard](#)****December 2024**

A suite of dashboards reporting on metrics of solar power generation levels and operational efficiency metrics across multiple countries. Design choices for the dashboard was made in line with company branding elements.

**Agrivoltaics and Floating Solar Farms Research Paper - [Link to document](#)****December 2024**

Exploration of financial advantages and social sustainable development benefits of agrivoltaics and floating solar power farms via utilization of Monte Carlo simulations on sponsor company dataset.

**Food Security Monitoring System Report, Sierra Leone - [Link to report](#)****February 2023**

Sierra Leone National Food Security report based on the national food security survey conducted by the Government of Sierra Leone and United Nations World Food Programme.

**Covid-19 Tableau Dashboard - [Link to dashboard](#)****June 2021**

An interactive Tableau dashboard reporting on progress of Global Covid-19 pandemic. The dataset used was collated by Johns Hopkins University and published on google cloud platform.