

Felipe A. Huerta

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DATA ANALYST

Business Intelligence | Big data – AI | Effective communication

I am a passionate data analyst specializing in Big Data, Statistics and Geographic Information Systems (GIS), driven by a strong curiosity for finding hidden patterns and insights in complex data. I hold a bachelor's degree in international business and possess over 9 years of combined experience in diverse industries including retail and mining. Equipped with strong analytical skills and expertise in various statistical, analytical and GIS techniques, I excel at data exploration and visualization, trend identification and forecasting, geospatial analysis and mapping. I am constantly seeking new challenges and opportunities to expand my knowledge and skills in the field of data analysis. I am dedicated to delivering high-quality results and using data to drive meaningful impact for organizations.

PROFESSIONAL SKILLS

- Analyzed Big Data sets to identify trends and patterns using machine learning techniques.
- Proficiency in Python, R, and SQL programming for Spark on Databricks and Colab, employing libraries like Pandas, NumPy, and Scikit-Learn.
- Solid foundation in Machine Learning and Deep Learning model development, with comprehensive knowledge of core algorithms and techniques.
- Expertise in data visualization and dashboard creation using industry-standard tools like Tableau, Power BI.
- Skilled in handling geospatial data and visualization for commercial environments within ESRI ArcGIS/ArcGIS Pro./ ArcSWAT, SWAT-CUP.
- Master in Microsoft Office.
- Excellent communication skills.
- Competency in mathematical and statistical analysis.
- Critical thinking abilities.
- Flexibility and adaptability
- Able to work independently and as part of a team.

WORK EXPERIENCE

FloSolutions SAC. Lima, Perú

06/2023 – 09/2023

Data Analyst Assistant

Leveraging big data and deep learning for market analysis in Colombia and Ecuador, identifying global service competitors, and presenting insights in Tableau and Power BI dashboards.

- Collect, process, and analyze data to gain valuable insights.
- Analyze major competitors, their products and services, and their financial statements to uncover investment trends.
- Determine the financial health of the major banks.

WSP S.A. - Anddes S.A. Lima, Perú	02/2018 – 12/2022
Consultant in Hydrological Data Analysis	
Data quality assurance and workflow automation using ModelBuilder and R. Information presentation to stakeholders in ArcGIS/ArcGIS Pro to support decision-making.	
<ul style="list-style-type: none"> • Data-driven assessment of potential contamination sites, aquifer recharge areas, water balance, and precipitation distribution. 	
Hydroterra S.A.C. Lima, Perú	01/2016 – 12/2017
Hydrological Data Analysis	
Conducted data collection and spatial data processing, mapping, and modeling to analyze water resources using ArcGIS, ArcGIS Pro, ArcSWAT, SWAT-CUP.	
<ul style="list-style-type: none"> • Developed scripts and tools in ModelBuilder, Python, and R to automate workflows. • Analyzed data, created reports, and presented key insights to stakeholders for informed decision-making. 	
MWH Perú S.A. Lima, Perú	01/2008 – 12/2015
Hydrological Data Analysis	
Performed spatial data processing, mapping, and modeling using ArcGIS. Managed databases and maintained data quality using ArcGIS, ArcGIS Pro, ArcSWAT, SWAT-CUP.	
<ul style="list-style-type: none"> • Developed custom scripts and tools using Model Builder, Python, and R to automate workflows, resulting in a 25% reduction in project completion time. • Conducted statistical analysis and generated reports to facilitate decision-making, presenting key findings and insights to stakeholders and project teams. 	

EDUCATION

Universidad tecnología del Perú – UTP. Lima, Perú.	03/2018 - PRESENTE
Bachelor's in international business	
Universidad Tecnológica del Perú (UTP), Samsung. Lima, Perú.	06/2023 – 11/2023
Big Data specialization	
Escuela Nacional de Estadística e Informática (ENEI). Lima, Perú.	12/2015 – 06/2016
Specialization in Applied Statistics	
Universidad Nacional Agraria La Molina, Escuela de Postgrado, Maestrías en Ciencias Ambientales. Lima, Perú.	02/2016 – 03/2016
Applied Hydrology	

CURSOS

Escuela Nacional de Estadística e Informática (ENEI). Lima, Perú.	08/2023 – 09/2023
Exploiting BIG DATA with POWER BI	
Escuela Nacional de Estadística e Informática (ENEI). Lima, Perú.	12/2020
Fundamentals of Machine Learning with R	
Escuela Nacional de Estadística e Informática (ENEI). Lima, Perú.	08/2016
R Software Workshop Course	
ADUNI - Universidad Nacional de Ingeniería (UNI). Lima, Perú.	02/2005 – 04/2005
Geographic Information Systems	

INNOVATIONS

- Nimbus Rain v.1.1. I librería for Global Precipitation Measurement mission and Peruvian Interpolated data of the SENAMHI's Climatological and hydrological Observations. I Python for ArcGis 10.2 Precipitación I 2015.
- SM RiskMap Value vs. 1.0, 1.1 I App: ModelBuilder/Python of ArcGis 10.1 I Karst Vulnerability and Risk Model, COP method. I 2015.
- Carbonate Recharge vs. 1.0, 1.1 I App: ModelBuilder/Python of ArcGIS 10.1 I Model to determine recharge in karst aquifers, APLIS + I method 2014.
- CatchWater Pro Mensual vs. 1.0, 1.1 I App ModelBuilder/Python of ArcGis 10.1 I Model to determine recharge and runoff, Curve Number I method 2014.

CONFERENCES AS AN EXHIBITOR

XX Conferencia Latinoamericana de Usuarios Esri – LAUC 2013, Lima Perú 10/2013
Telemática

- Presentation: “Determination of Critical Contamination Zones for the Protection of Groundwater”

XV Congreso Peruano de Geología, Cuzco Perú 10/2010
Sociedad Geológica del Perú

- Presentation: “Methodology for Calculating Runoff and Infiltration in Basins Based on the Curve Number”.

LANGUAGE COMPETENCIES

- Spanish: native language
- English: intermediate (speaking, reading, writing)