

ZAKARIA HANSALI

DATA ANALYTICS INTERN | #DISCOVER PROGRAM

 **Spanish National** (Madrid)

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Spanish National from Madrid with a strong background in **Statistics** and **Data Engineering**. Specialized in processing high-frequency telemetry data and optimizing analytical code (Python). Eager to join the A320 Family Chief Engineering team in Getafe to support aircraft operations analysis.

RELEVANT DATA EXPERIENCE

Telemetry Data Analysis & Log Processing

Python | Time-Series

- **Context:** "Get familiar with Aircraft Operations (logbook, manuals)."
- **Action:** Engineered a pipeline to analyze massive telemetry logs (Time-series data: Timestamp, Sensor/Action, Status). Structurally identical to aircraft operational logs.
- **Outcome:** Detected anomalies and operational deviations in real-time data, providing insights for system performance improvement.

Code Optimization & Benchmarking

Efficiency | Python

- **Context:** "Modify data analytics codes to speed up and optimise analysis timelines."
- **Action:** Conducted a technical benchmark (vLLM vs SGLang) to measure and optimize computing latency and throughput.
- **Skill:** Proficient in refactoring Python code to reduce execution time and handle larger datasets efficiently.

Technical Reporting & Visualization

Power BI | Storytelling

- **Context:** "Prepare summary presentations of the analysis results."
- **Action:** Created automated Power BI dashboards to translate complex technical metrics into executive summaries for decision-makers.
- Capable of communicating conclusions clearly to "customer services teams."

EDUCATION

B.U.T. Statistics and Business Intelligence (STID)

2022 – Present

- Focus on **Statistical Analysis**, **Data Mining**, and **Programming**.
- Spanish National returning to Madrid for the #DISCOVER program.

TECHNICAL SKILLS

Analysis & Code

Python (Pandas, NumPy)
Code Optimization
Telemetry Analysis
SQL & Databases

Visualization

Power BI
Data Storytelling

LANGUAGES

Spanish: Native (Madrid)

French: Native

English: Fluent (C1)

WHY AIRBUS?

"I want to apply my data skills to complex systems like the A320, turning operational logs into safer, more efficient flights."