Jorge Alcántara Espinosa

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Biostatistician

With 6 years of biostatistics experience, I specialize in assay development, experimental design, and predictive modeling. Validated vaccine assay data across multiple clinical trials in 2023, ensuring compliance with ICH-GCP and CDISC standards. Designed SAPs and dataset specifications, improving regulatory alignment by 20%.

WORK EXPERIENCE

GlaxoSmithKline **02/2024 - Present**

External Biostatistician R&D Vx Clinical Assays Statistics Team at GSK on behalf of Akkodis **Remote, Spain**

- Enhanced assay performance by applying predictive modeling techniques to validate vaccine data, achieving regulatory compliance. Improved data integrity by 15% within 6 months.
- Advised clinical teams on data collection strategies, enhancing compliance and innovation across multiple studies within the first 6 months, increasing data accuracy by 20%.
- Conducted rigorous testing of statistical reports (SARs) and codebases, enhancing prediction accuracy and audit readiness while mentoring junior statisticians.
- Led stability and shelf-life analyses of vaccines, utilizing longitudinal models to enhance assay performance and ensure confidence intervals met regulatory standards within.
- Coordinated cross-functional teams to define study objectives, applying advanced statistical methods to improve data integrity and project outcomes.

FIDIS **02/2023 - 02/2024**

Biostatistician **Santiago of Compostela, Spain**

- Developed clear presentations of statistical approaches for clients, leading to informed decision-making and increased trust in data analysis processes within 3 months.
- Streamlined the adaptation of CDISC-compliant datasets for sponsored trials, enhancing submission readiness and traceability, achieving compliance within 4 months.
- Utilized technical expertise to streamline the transition of analysis scripts from SAS to R, resulting in improved data integrity and compliance with regulatory standards.

Freelance / Trialance (CRO) / Biostatnet **09/2019 - 02/2023**

Biostatistician **Remote, Spain**

- Developed and implemented statistical analysis plans (SAPs) for clinical trials, enhancing problem solving procedures and ensuring compliance with EMA and FDA standards.
- Utilized analytical skills to streamline dataset structuring in SAS and R, achieving audit-readiness standards and enhancing collaboration with data managers within 6 months.

EDUCATION

Master's Degree in Biostatistics

University of Barcelona Barcelona, Spain • 01/2022

Relevant Coursework: Thesis on Clustering of Health Data

Master's Degree, Big Data, AI and cybersecurity applied to Health Data

University of Murcia Murcia, Spain • 01/2021

Relevant Coursework: Certification of Data Scientist Professional by Datacamp

Bachelor's degree, Nursing
University of Cádiz — Cádiz, Spain • 01/2018

Relevant Coursework: Epidemiology and Big Data applied to Health

PUBLICATIONS

Relationships between Patient-Reported Outcome Measures and Clinical Measures in Naïve Neovascular Age-Related Macular Degeneration Patients Treated with Intravitreal Ranibizumab Relationships between Patient-Reported Outcome Measures and Clinical Measures in Naïve Neovascular Age-Related Macular Degeneration Patients Treated with Intravitreal Ranibizumab — 07/2025

Flexible-tip bougie vs. stylet for tracheal intubation with a hyperangulated videolaryngoscope in critical care: a randomised controlled trial — 03/2025

The metronome as a resuscitator support tool during "Compression-Only" cardiopulmonary resuscitation. A quasi-experimental study — 06/2024

Impact of universal use of the McGrath videolaryngoscope as a device for all intubations in the cardiac operating room. A prospective before-after VIDEOLAR-CAR study — 03/2024

SKILLS

Technical: Python advanced, R Expert, SAS Advanced

Language: English C1, Spanish Native