STEVEN PONCE

New Jersey, USA

Clinical Trial Data Analytics | Data Visualization & Insights | Risk-Based Monitoring

AREAS OF EXPERTISE

- ✓ Data Visualization
- ✓ Clinical Trial Risk Analytics & Monitoring
- ✓ Text & Statistical Analysis
- ✓ Dashboard Development

- ✓ Pharmaceutical R&D & Inspection Readiness
- ✓ Cross-Functional Collaboration & Stakeholder Engagement
- ✓ Continuous Improvement & Risk Assessment
- ✓ Training & Enablement

CAREER HIGHLIGHTS

- Data Science & Analysis: Bring over a decade of combined experience in data analysis and laboratory science to deliver
 actionable insights for pharmaceutical research.
- **Data Visualization & Storytelling:** Skilled in transforming complex data into insights using **R, Spotfire, Tableau, and Quarto**; developed visual narratives that guided executive decision-making and inspection readiness.
- Data Analysis & Dashboard Development: Develop R scripts and Spotfire dashboards to support centralized monitoring, streamline reporting, and reduce manual review effort.
- Cross-Functional Collaboration: Partner with scientists, analysts, and leadership to achieve milestones, mitigate risks, and improve communication, enabling effective execution of clinical research initiatives.
- **Communication & Stakeholder Engagement:** Present complex analyses to **non-technical audiences**, facilitate workshops, and build alignment across study teams and leadership.

PROFESSIONAL EXPERIENCE

Senior Manager - GDO, Clinical Trial Risk Management, Bristol Myers Squibb (BMS), Lawrenceville, NJ | January 2023 - Present

Perform centralized monitoring and advanced analytics to evaluate clinical trial risks, assess global site data, and deliver actionable insights to study teams and leadership.

- **Centralized Monitoring & Risk Analytics:** Conducted **CMN quarterly reviews** for 10+ studies; created summary visualizations and presented risk signals to study teams.
- Inspection Readiness: Pulled and analyzed AE/SAE, protocol deviation, and enrollment datasets (2 studies); used R for data cleaning and analysis, generating Quarto HTML site risk-assessment reports.
- Training & Enablement: Designed and facilitated workshops on KRI signal writing and Data Quality Assessment (DQA) for BMS's STAR+ Risk-Based Monitoring system.
- Dashboard Development: Built the Study Plan Alignment Dashboard (R back-end, Spotfire front-end) to verify study plan compliance prior to FPFV. Supporting a Tour of Duty (~20%, in progress) as Technical Advisor; contributing to metric design and early Power BI dashboard development.
- Exploratory Data Analysis (EDA): Applied z-score and normalized analyses to cross-protocol "other-other" issues; delivered insights via interactive Quarto reports.
- **Text Analytics:** Applied **N-gram** and **LDA topic modeling** to classify unstructured "other-other" issue text (IM047-010), surfacing themes in **safety tracking**, **IP management**, **training**, **and documentation**.
- Industry Contribution: Collaborated with the PHUSE RBM working group to analyze Quality Tolerance Limit (QTL) survey data, contributing analytical insights to the white paper Assessing the Use of Quality Tolerance Limits in the Pharmaceutical Industry.

- R Programming & Reporting: Developed R scripts for data wrangling and visualization of early- and late-stage SEC-PAV data across 28 biologic products; delivered insights through R Markdown reports to support study progression.
- **Comparative Analyses:** Performed **method performance reviews** by comparing analytical data against **validation criteria**, ensuring data met quality and regulatory standards.
- Quality by Design: Conducted data analysis using Python across five analytical methods (iclEF, SEC, CEX, CGE-nr, CGE-r) for 10+ biologic molecules, identifying changes and supporting method reliability.
- Collaboration & Communication: Partnered with cross-functional teams, translating technical data into actionable findings for scientists and project leads.
- **SharePoint Development:** Designed custom **SharePoint sites** to improve collaboration, streamline document management, and enhance data accessibility for multiple teams.

EARLIER ROLES AT BMS | 2014 - 2020

- Scientist I/II Methods & Analytical Development
- Associate Scientist II Analytical Development
- Associate Scientist II Mass Spec & Biophysics
 - o Conducted method development, validation, and characterization for monoclonal antibodies.
 - Supported product progression by performing trend analysis and stability visualization in Spotfire.

EARLY CAREER EXPERIENCE

- Associate Scientist I Analytical and Bioanalytical Development, BMS | 2012 2014
- Scientist Development Analytical, Pfizer | 2010 2011
- Senior Associate Scientist Development Analytical, Pfizer | 2008 2010
- API Associate Technical Specialist Global Manufacturing, Pfizer | 2006 2008
- QC Laboratory Technician III Global Manufacturing, Pfizer | 2002 2006

TECHNICAL PROFICIENCIES

Programming Languages	R, Python
Statistics Software	Minitab 17, JMP 13
Data Visualization Tools	TIBCO Spotfire, Tableau, ggplot2, R Shiny
Risk-Based Monitoring Platform	Medidata RAVE CSA, Cyntegrity MyRBQM, CluePoints

EDUCATION

Bachelor of Science, Chemistry, University of Puerto Rico, Mayaguez, PR

ADDITIONAL TRAINING

Cornell University: Data Analytics 360 Certificate | Machine Learning Certificate | Project Management Certificate **Business Science University (BSU):** 5-Course R-Track

Coursera: Python for Everybody | Applied Data Science with Python | Data Visualization with Tableau

Analyst Academy: Data Viz for Consultants | Advanced PowerPoint for Consultants | Advanced Presentations for Consultants

Strategy.com / Overnight Strategist: Think Like a Strategy Consultant | Strategist Toolkit