

# Esteban Navarro Garaiz

<https://estebannq.github.io/> • ☎ (+52) 5524203220 • ✉ estebannavarrogaraiz@gmail.com • [in estebannq](#)

## Experience

**Teamworks (formerly Zelus Analytics) – Senior Technical Product Manager** **2022 – Present.** Mexico City, MX

- Manage the development of baseball's intelligence platform, a database with over 1 billion records, empowering data-driven decisions in player evaluation, game planning, and draft strategy
- Devise and maintain a product roadmap that aligns with business objectives and pushes the cutting edge of sports analytics, regularly soliciting stakeholder feedback to inform product development decisions
- Communicate product updates and features to stakeholders and clients through clear documentation, presentations, and reports, ensuring understanding and addressing concerns to drive buy-in and adoption
- Empower and mentor junior team members to excel by fostering a supportive remote culture, providing guidance and professional development. Identify and attract talented individuals from diverse backgrounds who are passionate about innovation and pushing the boundaries of data science

**Los Angeles Dodgers – Quantitative Analyst** **2020 – 2021.** Los Angeles, CA

- Created probability models to describe catcher defense (additional strikes, blocking, stolen base attempts)
  - Used these to create descriptive metrics (framing, blocking and arm) and a projection system on top
- Built a stability / changepoint detection framework for detecting talent changes with confidence intervals
- Lead QA's collaboration with Pro Scouting to prioritize scouting time and improve player acquisition efforts
- Collaborated closely with Player Development to improve analytic tools used in MiLB development

## Education

**New York University – Center for Data Science** **New York, NY**  
*Master of Science in Data Science – 3.88/4 GPA* **2018 - 2020**

- Recipient of a CDS DeepMind Fellowship (\$25,000) and a Fulbright-García Robles Scholarship (\$50,000)
- Course highlights: Machine Learning, Big Data, Deep Learning, Natural Language Processing, Data Engineering for Machine Learning, Optimization and Computational Linear Algebra, Forecasting Time Series Data
- **Capstone project for the Brooklyn Nets:** Created a two-tier ensemble model for NBA shot prediction using high-dimensional tracking data, providing more stable player evaluation <https://bit.ly/2wZjZtn>

**Universidad Nacional Autónoma de México (UNAM)** **Mexico City**  
*Bachelor of Science in Mathematics - 9.03/10 GPA* **2013 - 2018**

- Was an Assistant Professor for Probability I, Stochastic Processes 1 and Select Topics in Operations Research
- For my graduation thesis, I created a soccer prediction model, based on the Poisson Distribution, and applied it successfully to the betting market using the Kelly Criterion <https://tinyurl.com/wtpssjt>

## Speaking

- Keynote speaker at [2024 UCONN Sports Analytics Symposium](#) and [ITAM Sports Analytics Conference](#) (2X)

## Skills

- **Product and Project Management:** SDLC, roadmapping, agile methodology, Scrum/Kanban (Jira, Gitlab)
- **Python:** Pandas, NumPy, scikit-learn, Matplotlib, Seaborn, ScyPy, Pytorch, Tensorflow
- **Machine Learning:** Random Forests, Deep Learning, NLP, kNN, Boosting, PCA/SVD, regression, time series
- **SQL:** High querying proficiency. Schema creation and management. Have worked with BigQuery and PostgreSQL
- **Cloud and automation:** GCS suite (BQ, GCS, GKE, Looker), AWS suite (S3, EC2, ECR, K8S), Airflow, Docker
- **Other programming:** Git (high competency), R – Tidyverse (stats, dplyr, ggplot2, tidyr), Hadoop, Spark
- **Other:** Leadership, client communication, Spanish (native speaker; bilingual translation), data visualization