Daniela *Rico Iglesias*

INDUSTRIAL ENGINEER · DATA & OPERATIONS ANALYST

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SUMMARY

Industrial Engineer (GPA **4.19 / 5.00**) with a six-month internship in food manufacturing and **two published research papers**. Certified in **advanced Excel and Power BI**; statistical analysis in Minitab (regression, sampling, design of experiments, process capability). Internal auditor for ISO 9001, ISO 14001 and ISO 45001, trained by SGS Academy. Detail-oriented, with strong documentation and follow-up habits. English: B2.

SKILLS

Data & reporting	Advanced Excel (certified) · Power BI (certified) · Minitab · KPI tracking · data cleaning · regression analysis · statistical sampling · SQL (currently learning)
Operations & quality	Process improvement (Pareto, Ishikawa, DOE, Lean, Six Sigma) · time and motion studies · standard operating procedures · in-line quality control · internal auditing (ISO 19011)
Tools	Microsoft 365: SharePoint, Lists, Teams, Forms, OneDrive, Outlook, Word, PowerPoint
Languages	Spanish (native) · English (B2)

EXPERIENCE

Project Intern, Industrial Engineering — Lácteos del Cesar S.A. (Klaren's)

Jul 2025 – Jan 2026

Dairy manufacturer founded in 1984 · Valledupar, Colombia · Full time, 6 months · Internship completed satisfactorily (HR certificate, Jan 2026)

- Collected quality and production data at several points of the process and kept the **KPI records** up to date.
- Delivered a **daily report** to my manager with process incidents and observations.
- Ran the weighing and a **statistical sampling of 360 units** of packaging material (95% confidence) to define its specifications.
- Quantified product **overfill losses** using statistical sampling and process capability analysis, and identified improvement opportunities.
- Analyzed a production process with **DOE, Pareto and Ishikawa** to find critical factors, and summarized the findings in technical reports for decision-making.
- Measured times, waste and efficiency on the line and supported time and motion studies.
- Helped write and update one standard operating procedure and two record forms; recorded nonconformities and supported corrective actions.

RESEARCH AND PUBLICATIONS

- **First author** — "Comparative analysis of the factors affecting agricultural production in Colombia and major South American producers" (in Spanish). ACOFI, International Meeting on Engineering Education (EIEI), 2024. Collected and cleaned a **60-year dataset (1961–2020) for three countries**, ran the regression analysis in Minitab and Excel, and wrote the paper. doi.org/10.26507/paper.3955
- **Co-author** — "Two-Part Syringe Quality Optimization: A Methodological Journey Using Response Surfaces and Six Sigma Methodology." Springer Nature, Lecture Notes in Production Engineering (ICPR 2025), pp. 95–106, 2026. Results: process capability Cp of 1.21 and 32% fewer nonconforming units. doi.org/10.1007/978-3-032-19656-9_12

EDUCATION

B.Eng. in Industrial Engineering — Universidad del Magdalena

2021 – 2026

Santa Marta, Colombia · GPA 4.19 / 5.00 · Program with High-Quality Accreditation from Colombia's Ministry of Education · Member of the GEMC research group (2024–2025)

CERTIFICATIONS

- **Internal Auditor, Integrated Management Systems (HSEQ)** — ISO 9001:2015, ISO 14001:2026 and ISO 45001:2018, under ISO 19011:2018 guidelines. SGS Academy, 50 hours, certification exam passed, 2026.
- **Advanced Excel** and **Power BI** (certified).

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