Manuel **Infante**

ECONOMIST · DATA PIPELINES APPLIED IN S&OP TOOLS
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"Live the life you have reason to value"

Education

Faculty of Economic Sciences, National University of Cordoba *Cordoba, Argentina*

BSc. IN ECONOMICS WITH QUANTITATIVE METHODS SPECIALIZATION

Jan. 2014 - Jul. 2020

Skills

Databases	MS SQL, Sqlite, Oracle DB
Programming	• Proficient with R, Python, SQL, Stata and Visual Basic • Familiar with Bash, Java, HTML, JavaScript
Spreadsheet	MS Excel, Tableau
Languages	Spanish (Native), English (C1 Level), Portuguese (Intermediate)

Experience

Novix SA *Cordoba, Argentina*

SSR DATA SCIENTIST – S&OP SOLUTIONS *Jun. 2021 - Present*

- Developed a Master Production Schedule solution for multinational food company. - Python
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- Constructed a production optimization prototype for multinational food company. - CVXPY
- Implemented an integration between SAP and an Analytic framework for multinational food company - Python
- Participated in production optimization solution - Pulp
- Developed a Load pipeline from Azure Gen2 Data lake for a pharmaceutical company - Python
- Designed ab amortization schema for a bank - Python
- Provided technical support to the team (15 people) - Python

IDB Invest *Offices NY - Remote*

EXTERNAL CONSULTANT *Sept. 2020 - Jun. 2021*

- Created a tool for generating financial reports. - VBA.
- Built an ETL process for financial metrics supervision. - Python
- Computed metrics for loan scoring.- Python

Secretary of Applied Studies, Ministry of Government *Cordoba, Argentina*

EXTERNAL CONSULTANT *Jul. 2020 - Present*

- Performed ad-hoc analysis on dimension tables. - Python.
- Automated ETL process for subsidy scheme analysis. - Oracle DB and Python

Mediterranea Foundation *Cordoba, Argentina*

ASSOCIATE RESEARCH ANALYST *Sep. 2019 - Jun. 2020*

- Estimated the deficit of Latin American pension systems using Household National Surveys - Calculations performed using the Tidyverse framework.
- Developed metrics for weekly articles on www.ieral.org.
- Conducted predictions of coronavirus cases in Cordoba Province using the SEIR Model.
- Automated data entry using Pdftools.
- Performed static scraping using Rvest.

Faculty of Economic Sciences National University of Cordoba *Cordoba, Argentina*

ADJUNCT ASSISTANT PROFESSOR OF MATHEMATICAL STATISTICS *Mar. 2019 - Jul. 2019*

- Provided weekly support lessons on various topics including probability computation, computation of density function properties, density function derivation using the Jacobian method, computation of median, expected values, variance, and higher-order moments, maximum likelihood estimation, and asymptotic theory.

Autonomous
DATA ANALYST

Cordoba, Argentina

Jun. 2018 - Jun 2019

- Conducted personalized explanatory analysis for a Rugby Club and an Oncologic Foundation using the Tidyverse framework.
- Developed a Shiny app for a Law Firm.
- Prepared datasets for a discrete choice model analysis.

Debt Office, Ministry of Finance
INTERN ANALYST

Cordoba, Argentina

Sep. 2017 - May 2018

- Constructed and maintained indexes for monitoring subnational debt instruments.
- Conducted on-demand analysis, including interstate revenue collection comparisons, debt stock time-series analysis, interest rates comparisons, and WACC calculations using MS Excel.

Extracurricular Activity

Tala Rugby Club
RUGBY COACH

Cordoba, Argentina

Jan. 2017 - Dec. 2017

- Oversaw and mentored a group of 60 children, aged 8 years, in a coaching role.

50th International Public Finance Meeting
ORGANISATION COLLABORATOR

Cordoba, Argentina

Sep. 2017 - Sep. 2017

- Undertook the role of a mediator during the exposition of academic papers at an international level finance gathering.

PIES Foundation
MEMBER

Cordoba, Argentina

Aug. 2016 - Jun. 2019

- Collaborated in an autonomous group to educate and mentor children in a low-income neighborhood.

Manos Solidarias Foundation
MEMBER

Cordoba, Argentina

Jul. 2020 - PRESENT

- Contributed to a local community initiative by preparing and distributing substantial meals every weekend to residents of low-income neighborhoods across the city.

Awards and Research Publications

Mobility indexes: An application to Argentinian financial system
AUTHOR

Central Bank of Argentina

Jan. 2020 - mar. 2020

- Received an award for a research study involving the application of Ferretti and Ganugi's (2013) mobility measure to individual credit ratings in the Argentine financial system, employing Stata and R for metric calculations.

Financial challenges in Argentinian pension system: Application of a sustainability model based on micro-fundamentals
CO-AUTHOR

International Public Finance Congress, Cordoba

Sept. 2019 - Mar. 2020

- Produced a comprehensive research study estimating the deficit in Argentina's pension system by considering factors such as demographic ageing and alternative policies, utilizing R for metric calculations.
- Available at the repository.