

ANGELA CASTILLO-GILL
Data Scientist

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I love data. I love collecting data on myself, on my partner, on the job I have, on the industry I work in, on the country I live in, and on everything really. Better than collecting data is **analysing** it and making informative **visualisations**. Nothing like that face of awe when you reveal what all those rows of data look like - and what does it have to do with other variables? And if you can build a **model** to fit the data you're interested in?

We all want to save time, space, reduce waste, and we want to earn more, increase brand sales and profit. That's why I'm passionate about **machine learning** and **data science** - it allows us to overcome human biases and make better decisions. My degree in industrial engineering has given me the skills to use new techniques in the field of marketing, consumer research, predictive analytics, operations research, and accounting metrics.

DATA SCIENCE SKILLSET

Languages	Machine learning	Data Viz tools	Libraries	Statistics	Character traits
-R	-Linear regression	-Excel	-Dplyr	-Linear algebra	-Nurate
-SQL	-Logistic regression	-Google Charts	-DataTable	-Multivariate calculus	-Eye for detail
-Python	-PCA	-GGplot2	-mlr	-Probability distributions	-Team player
-Microsoft Excel	-Clustering	-Tableau	-Caret	-Hypothesis testing	-Quick learner
	-CART		-Gbm	-Time series analysis	-Strong communicator
	-Random Forests		-XGBoost	-Forecasting	
	-k-NN		-pandas	-A/B testing	
			-seaborn		

PROFESSIONAL EXPERIENCE

UNIVERSITAT AUTÒNOMA DE BARCELONA Barcelona, Spain Data Scientist | Researcher

Mar 2017 - Present

- Performed end-to-end data analysis which involved database design, data cleaning, visualisation, and report writing to communicate findings to non-technical colleagues.
- Built a spatial-temporal model to simulate an international policy and inform local policy makers.
- Proposed and fostered collaboration with the data science team of one of the biggest online real-estate companies in Spain, Idealista SA in order to use their data for research.
- Collaborated with non-technical colleagues including government stakeholders to create an ethical and well-informed model.
- Communicated data insights at several international public-speaking engagements to promote the research institute.

INFORMA AGRIBUSINESS INTELLIGENCE London, United Kingdom Data Analysis Consultant

Apr 2016 – Mar 2017

- Performed end-to-end data analysis which involved database design, data cleaning, visualisation, and report writing on the subjects:

1. Quinoa Markets 2016 – Trends and Opportunities
2. Colombian Agribusiness after FARC peace deals
3. Delivering the Sustainable Development Goals (SDGs) in Agrifood Companies 2017

- Designed the module Best Practices in Cleaner Production geared towards last year Industrial Engineering Students.
- Motivated the implementation of Best Practices in Cleaner Production in small and medium sized enterprises (SME's) in Bogotá, Colombia.

HRA FOOD AND DRINK
Torquay, United Kingdom
Data Analysis Intern

Oct 2015 - Jan 2016

- Built a database of all products in the marketing from a different number of sources.
- Analysed every aspect of the British flavoured milk industry including main producers, brands, formulas, consumer trends, packaging and distribution.
- Suggested innovation strategies for the dairy industry and niche food markets in the UK.
- Wrote reports for the British flavoured-milk industry that included consolidated trends and suggested growth areas.
- Crafted unique and timely data visualisations to include in the company's marketing reports.
- Represented the company at national-level events including Food Matters Live.

EDUCATION

UNIVERSITY OF EXETER, Master of Science in Food Security & Sustainable Agriculture 2014-2015
Exeter, United Kingdom – Grade: Distinction Award
Research project: *Findings were published in the peer-review journal Philosophical Transaction of the Royal Society.*

UNIVERSIDAD DE LOS ANDES, Bachelor of Science in Industrial Engineering 2010-2014
Bogotá, Colombia – Grade: 4.02/5 (top 10% of cohort)
Key modules: Probability and Statistics, Optimization, Finances, Logistics, Organizations.

GRANTS AND AWARDS

María de Maetzu 2017
Spanish Ministry of Economy and Competitiveness (MINECO) – *Ten scholarships granted each year.*
Awarded a scholarship worth €50,000 to pursue a María de Maetzu PhD. 'María de Maeztu' Unit of Excellence is the highest institutional recognition of scientific research in Spain.

IBM, United Kingdom 2015
IBM Best Student Recognition Event 2015 – *Two students selected from each country per year.*
Awarded a place at the IBM Best Student Recognition Event in Amsterdam, Netherlands.

UNIVERSITY OF EXETER, United Kingdom 2014
Ayudar Scholarship – *Only two scholarships granted per year.*
Awarded £30,000 to fund tuition and maintenance fees during postgraduate studies.

LANGUAGE SKILLS

English (native), Spanish (native) and French (intermediate).