

# Federico Castellano

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## Profile

- Expertise in Cognitive Science, Data Science, and Computer Science

## Skills

Languages	Python (+2 years), Java (+1 year), SQL (+1 year), HTML-CSS (1 year)
Tools	Jupyter, pandas, matplotlib, seaborn, numpy, scipy, scikit-learn, tensorflow, flask, git
Data Science	Statistics, data analysis, optimization, machine learning, neural networks

## Experience

2019-present	<b>Data Scientist at MercadoLibre</b> I am in charge of developing and maintaining an entire integrated system (a rest API) for delivering shipping-time promises at MercadoLibre, based on machine learning/statistics models. I work daily with Python, SQL, Tableau, Git, and many other tools to develop data analyses, metrics, models, dashboards, and so on.
2018–2019	<b>Postdoctoral Researcher</b> <i>Consejo Nacional de Investigaciones Científicas y Técnicas (CONICET) – Argentina</i> I worked on the hypothesis that cognitive maps and other spatial mental representations are computationally structured in ways that allow them to be processed pretty much like linguistic representations, making them computationally suitable for inferences.
2016–2017	<b>Visiting Researcher</b> <i>Department of Philosophy and Cognitive Science, Rutgers University, New Jersey – USA</i> I worked on different theories of concepts from a computational point of view, concluding that concepts understood as feature vector representations and as rules of inference are the best choices for accounting for different cognitive tasks.
2013–2018	<b>Doctoral Researcher</b> <i>Consejo Nacional de Investigaciones Científicas y Técnicas (CONICET) – Argentina</i> I critically analyzed the explanatory power of different models of perception (naïve, computational, and connectionist) to account for conceptual classification.

## Personal Projects

2019–Present	<b>Predictive model for house prices in Cordoba City</b> Based on a dataset got from webscrapping, which includes more than 30.000 properties from Córdoba City (Argentina), I developed a model for predicting house prices. To do so, I made use of Python, Beautiful Soap, Pandas, SkiLearn, Matplotlib and Flask. <a href="http://maerion.pythonanywhere.com/">http://maerion.pythonanywhere.com/</a>   <a href="https://github.com/fedec15">https://github.com/fedec15</a>
2018–2019	<b>Publications in Towards Data Science (Medium)</b>

<https://medium.com/@federicocastellano>

2017–2018      Development of ‘Sistema de gestión de alumnos UPC’ (in Java)  
I developed a free desktop application for Faculty at the *Universidad Provincial de Córdoba*.  
This project was entirely developed in Java.  
<https://github.com/fedec15>

## Education

2013–2018      PhD in Philosophy (with focus in Cognitive Science)  
*Universidad Nacional de Córdoba, Argentina*

2007–2013      B.A. in Philosophy  
*Universidad Nacional de Córdoba, Argentina*

## Courses

2020–Present      Statistics with Python Specialization  
*University of Michigan - Coursera*

2018–2019      Foundations of Machine Learning  
*Bloomberg ML EDU* | <https://bloomberg.github.io/foml/#about>

2018–2019      Software Engineer Specialization  
*Universidad Tecnológica Nacional (UTN) – Regional Buenos Aires*

2018–2019      Artificial Neural Networks  
*Prof. F. Tamarit. FAMAF, Universidad Nacional de Córdoba (UNC)*

## Idioms

Spanish	Native
English	Professional Proficiency
Portuguese	Basic