



# Dr. Alejandro Celis

## Date of Birth

Feb. 1987

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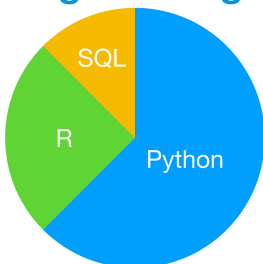
[acelisalas@gmail.com](mailto:acelisalas@gmail.com)

## Web

[celis.github.io](http://celis.github.io)

[linkedin.com/in/acelisalas](https://linkedin.com/in/acelisalas)

## Programming



## Machine Learning

Keras, MXNet, Scikit-learn

## Languages

Language	Proficiency Level (Stars)
Spanish	★★★★★
English	★★★★★
German	★★★☆☆
Chinese	★☆☆☆☆

## Experience

March. 15 - Now

### Postdoctoral Researcher, Theoretical Physics

[LMU, Munich](#)

Interpretation of data from different experiments within particle physics models, involving model comparison and parameter inference analyses. Scientific publications available in [arxiv.org](#)

## Education

2011 - 2014

### PhD in Theoretical Physics, Cum Laude

[University of Valencia, Spain](#)

Thesis: Phenomenology of two-Higgs-doublet models in the LHC era

Advisor: Prof. Antonio Pich

Research in the field of Higgs physics. Develop models to explain features observed in the experimental data and test their validity.

2011 - 2014

### Master in Theoretical Physics

[University of Valencia, Spain](#)

2008-2009

### Master of Science, Physics

[Lund University, Sweden](#)

2004-2010

### Licentiate in Physics, Cum Laude

[Simon Bolivar University, Venezuela](#)

## Recent projects

2018

### Clustering of kinematical shapes in particle decay

[Research Project](#)

Characterize shapes in the kinematical distributions of  $B$ -meson decays in the presence of new physics contributions using a Clustering algorithm, motivated by arXiv:1507.02245. [Github repository](#).

2018

### Twitter Bot @BolivarMcDolar

[Personal project](#)

Due to currency controls in Venezuela, people rely on the black market for currency exchange. This Twitter Bot posts regularly the conversion rate between the Venezuelan currency and the US Dollar based on the latest Bitcoin transactions in <https://localbitcoins.com>. [Github repository](#).

2017

### DsixTools

[Research project](#)

A Mathematica program to solve numerically a large system of coupled differential equations used in the field of particle physics, parsing input and outputting in JSON and YAML formats. [Github repository](#).

## Fellowships

2015-2017

### Alexander von Humboldt Fellow, Postdoctoral Research

[LMU, Munich](#)

Alexander von Humboldt Foundation.

2011- 2014

### FPU scholarship

[University of Valencia, Spain](#)

Spanish Ministry of Education and Science.