Dr. Alejandro Celis

Data Scientist

Address

Barer Str. 54
80799 München
Germany

Phone

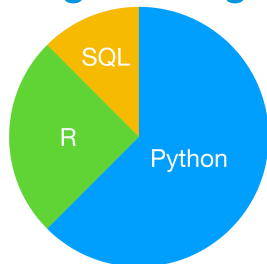+49(0)15224573395

Mail

acelisalas@gmail.com

Web

celis.github.io
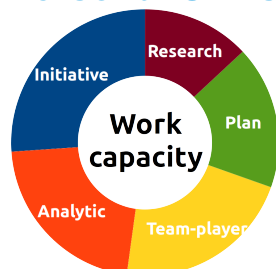linkedin.com/in/acelisalas
github.com/celis

Programming

SQL
R
Python

Machine Learning

Keras, MXNet, Scikit-learn

Languages

Spanish	★★★★★
English	★★★★★
German	★★★☆☆

Personal Skills:

Research
Initiative
Plan
Work capacity
Analytic
Team-player

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

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**	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

	Alexander von Humboldt Fellow, Postdoctoral Research	LMU, Munich

Alexander von Humboldt Foundation.

Alejandro Celis
October 6, 2018