

ROXANA NOELIA VILLAFañE



EDUCATION

2018
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2014

PhD
FCA-UNNE

2012
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2007

Bsc Chemical Sciences
FaCENA-UNNE

RESEARCH POSITION

2021
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2019

PostDoc Researcher
IQUIBA-NEA

- Laboratorio de Estructura Molecular y Propiedades (LEMyP)
- Topic: Machine Learning for new Cruzain inhibitors design

2018
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2013

Doctoral Researcher
FCA-UNNE

- Laboratorio de Desarrollo e Investigacin en Quimiometra (LIDQ)
- Topic: Chemometric techniques for geographical origin classification of native forages

TEACHING EXPERIENCE

2020
|
2019

Probabilty and Statistics
FCA-UNNE (Undergraduate Course)

- Teaching Assistant

2014

Physics II
FCA-UNNE (Undergraduate Course)

- Teaching Assistant

AWARDS AND FELLOWSHIPS

2021
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2019

PostDoc CONICET Fellowship

2019

Khipu 2019
Travel and Accomodation Grant

2018
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2013

Doctoral CONICET Fellowship

2013

Argentine Chemical Society
Diploma and medal delivered for "best academic average grade" of the Bachelor in Chemical Sciences (UNNE).

PUBLICATIONS

2019

Combining Charge Density Analysis with Machine Learning Tools To Investigate the Cruzain Inhibition Mechanism
ACS Omega

CONTACT

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Source code:
github.com/data-datum/cv.



Last updated on 2020-01-01.

- 2019 **Brown rice authenticity evaluation by spark discharge-laser-induced breakdown spectroscopy**
Food Chemistry
- 2017 **Non-essential element concentrations in brown grain rice: Assessment by advanced data mining techniques**
Environmental Sciences and Pollution Research
- 2017 **Perfil mineral en los pastizales de *Andropogon lateralis* y *Sorghastrum setosum* (Gramineae) en Corrientes, Argentina**
Universidad Nacional de Cuyo - Facultad de Ciencias Agrarias
- 2016 **Tracing the geographical origin of Argentinean lemon juices based on trace element profiles using advanced chemometric techniques**
Microchemical Journal
- 2015 **Toxic trace element contents in gluten-free cereal bars marketed in Argentina**









COMMUNITIES PROJECT

Currently
|
2019

- 2019 **LatinR Organization**
- 2019 **R-en-el-NEA (R user's group)**
Co-founder and co-organizer
- 2018 **Spanish translation of R4DS**
Available at <https://es.r4ds.hadley.nz/>
- 2018 **Rladies Resistencia Corrientes**
Co-founder and co-organizer

Communities Social Media -
 [Twitter](#)
-  [Twitter](#)

TALKS AND MEETUPS

- 2019 **Machine Learning & Khipu.ai**
R-en-el-NEA  Resistencia, Argentina
- 2019 **Dplyr tutorial**
Rladies-Resistencia-Corrientes  Corrientes, Argentina
- 2019 **Machine Learning: a brief introduction**
IQUIBA-NEA  Corrientes, Argentina
- 2018 **Dplyr and Tidyr introduction**
Rladies-Resistencia-Corrientes  Corrientes, Argentina
- 2018 **LatinR2018**
Rladies-Resistencia-Corrientes  Corrientes, Argentina
- 2018 **R Programming from scratch**
Rladies-Resistencia-Corrientes  Corrientes, Argentina
- 2018 **Rladies presentation**
Rladies-Resistencia-Corrientes  Corrientes, Argentina
- 2017 **Machine Learning for data analysis**
IQUIBA-NEA  Corrientes, Argentina

All my talks available at -
[Speakerdeck](#)