RENAN XAVIER CORTES

Data Scientist

@ renanxcortes@gmail.com ● Riverside, CA, USA
in https://www.linkedin.com/in/renan-cortes-a3583a33/   ● github.com/renanxcortes
Website: renanxcortes.github.io

EXPERIENCE

Postdoctoral Scholar
Center for Geospatial Sciences

📅 Sep 2018 – Ongoing   ● University of California, Riverside (UCR)

- Development of an optimized Python Spatial Analysis Library (PySAL) module for nonspatial and spatial segregation measures. It also presents a novel feature that performs inference for segregation and for comparative segregation.
- Parallelizing scripts using Jupyter Notebooks and submitting batch jobs in Python at the UCR cluster.
- Developing collaboratively a Web-Based data visualization tool of the Space-Time Analysis of Regional Systems.

Researcher in Statistics
Statistics and Economics Foundation

📅 2010 – 2018   ● Porto Alegre, Rio Grande do Sul, Brazil

- Development of many Shiny applications using public crime data data, demographic data, socioeconomic data (idese), quarterly GDP data and economics data related to Business Cycle.
- Leader of department for more than four years.
- Data driven government consulting.
- Development of SQL queries to perform statistical analysis.
- Database manager.

Professor
UniRitter Laureate International Universities

📅 2018 – 2018   ● Porto Alegre, Rio Grande do Sul, Brazil

- Professor of Data Analysis with the R in the post-graduation of Data Science and Big Data post-graduation course.
- Data science workflow (importing data, cleaning data, wrangling, data exploring, modelling and visualising), fundamentals of the language, the tidyverse approach, best practices of the language and how to develop reports and web applications.
- Excellent feedback from students.

MAIN PUBLICATIONS

- Colombo, J. A., Cortes, R. X., Cruz, F. I., and Paese, L. H. (2018). Building State-Level Business Cycle Tracer Tools: Evidence from a Large Emerging Economy. *International Journal of Economics and Finance*, 10(5), 14.
- Cortes, Renan Xavier, Adelar Fochezatto, and Paulo de Andrade Jacinto. "Crimes nos municípios do Rio Grande do Sul: análise a partir de um índice geral de criminalidade." *Estudos Econômicos (São Paulo)* 48.3 (2018): 451-487.
- Cortes, R. X., Martins, T. G., Prates, M. O., and Silva, B. A. (2017). Inference on dynamic models for non-Gaussian random fields using INLA. *Brazilian Journal of Probability and Statistics*, 31(1), 1-23.
- de Oliveira, Lívio Luiz Soares, and Renan Xavier Cortes. "Faith and religious attendance in Brazil." *Rationality and Society* 28.3 (2016): 320-334.

LIFE PHILOSOPHY

"Successful people care less about specific job they do and care a lot more about how they're approaching the job they have." - Cal Newport

MOST PROUD OF

Friendship & Loyalty
To trust people and be trusted as a good teammate.

Persistence
I showed despite the hard moments and my willingness to stay with my career in Data Science

SKILLS & STRENGTHS

R   Python   Shiny   Jupyter   SQL

Hard-working   Communication Skills
Collaborative Work
Motivator & Leader

LANGUAGES

Portuguese	●●●●●
English	●●●●●
Spanish	●●●○○

EDUCATION

Ph.D. in Economics
Pontifical Catholic University of Rio Grande do Sul
📅 2015 – 2017

M.S. in Statistics
Federal University of Minas Gerais
📅 2012 – 2014

B.S. in Statistics
Federal University of Rio Grande do Sul
📅 2006 – 2010

CERTIFICATIONS

| **Many DataCamp Courses** | ●●●●● |
| **Data Science Academy Courses** | ●●●●● |