Baruque Rodrigues

MSc Student in Political Science

Abstract

I have a degree in Social Sciences (2021) UFAL and a Masters in Political Science and International Relations (2021-2023) from DCP-UFPE. Expertise in multivariate statistical models, econometric models, robust causal inference strategies, webscraping and shiny applications. Experience with monitoring and evaluation of public policies (SSP-AL 2019; CGEE 2021), Data Pipeline and ETL automation (CGEE 2021-2022, ECLAC 2022).

Education

2021-2023 **Masters Student Political Science and International Relationships**, *Universidade Federal de Pernambuco*, Recife, Pernambuco.

2017-2021 **Bachelor in Social Sciences**, *Universidade Federal de Alagoas*, Maceió, Alagoas.

Experience

2022 Experience at CEPAL. Structuring the data pipeline that guided the ETL procedure of the INOVA-E platform and the Energy Big Push 2 project. During the contract, I wrote the documentation that guided the execution of the ETL flow for the 9 new data sources to be included in the project . During the experience I was able to put into practice the knowledge of data pipeline that I acquired so much during the master's degree.

2021-2022 Experience at CGEE. The second package contains a shiny interface that allows the entire process of extraction, handling, case validation and loading to be done by a non-R user. During the contract with CGEE I was able to have a formal practical experience of a data scientist . I was able to take a deep dive in the area, where I acquired and put into practice knowledge of workflow, functioning, functional programming and meta programming.

2019-2021   Experience at Interniship at Secretary of State and Public Security. We built the analysis databases of the PMAL Community Security Bases, the violence against the elderly and against children. I designed the 1st profiling survey of PMAL recruits. I produced the analysis of the effectiveness of the public policy Focus on the School Community; Protected Elderly; At the base of Sossego. During my internship at the secretary of state and public security, I had extensive experience with public administration, I was able to develop evaluation analyzes and implementation of public policies, producing evaluations that guided the decisions of the prevention portfolio.

2018-2021   Experience at Research Assistant. Cycle 2018/2019 we analyzed the scientific production of young doctors in sociology, producing productivity indicators. During the 2019/2020 Cycle We developed an algorithm for data scraping that remotely analyzed the lattes curricula of researchers CNPQ productivity and we determined the productivity of the various sectors scientific studies, as well as the variables that determined productivity, a work that was awarded 3 times and sent to the Brazilian Society for the Progress of Science. During the 2020/2021 cycle, through a cluster analysis, we calculated the distance between the H index of scientific journals and the Qualis score. During my scientific initiation I was able to put into practice several multivariate statistics techniques, such as cluster analysis, factor analysis, multiple regression, as well as to develop my knowledge about R programming and web scraping.

2019-2019   Experience at Internship at Instituto Zumbi dos Palmares. We designed an opinion poll of the radio listeners of the Instituto Zombie dos Palmares about the programming. During this internship I had the opportunity to have marketing contact with the techniques I had learned during graduation.

Publications

2022   RODRIGUES, QUEMUEL BARUQUE DE FREITAS; PEQUENO, MAYRES ; MELO, MARINA FÉLIX DE ; OLIVEIRA, AMURABI . Webscraping em R: uma abordagem para investigação em ciências sociais. SIMBIÓTICA

2022   OLIVEIRA, AMURABI ; MELO, M. F. ; PEQUENO, MAYRES ; RODRIGUES, QUEMUEL. O perfil dos bolsistas de produtividade em pesquisa do CNPq em Sociologia. Sociologias (UFRGS)

2022   CALHEIROS, ERIKSON ; SILVA, D. ; SILVA JUNIOR, J. A. ; RODRIGUES, QUEMUEL. AUDADES DO SEU EX? DEPENDÊNCIA CORPORATIVA E DESEMPENHO ELEITORAL DOS CANDIDATOS À REELEIÇÃO (2012-2016). Revista Eletrônica do Programa de Pós-Graduação da Câmara dos Deputados

2021   OLIVEIRA, AMURABI ; MELO, MARINA FÉLIX DE ; RODRIGUES, QUEMUEL BARUQUE DE ; PEQUENO, MAYRES .. Gênero e desigualdade na academia brasileira: uma análise a partir dos bolsistas de produtividade em pesquisa do CNPq

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2020 CALHEIROS, ERIKSON ; GUIMARÃES, FRANCIELLY ; PEQUENO, MAYRES ; RODRIGUES, QUEMUEL ; GOMES, TAYNARA .. Club de la lucha: competicion electoral en la disputa por los gobiernos estatales brasileños (2006-2018). REVISTA DE ESTUDIOS BRASILEÑOS