

Pedro Duarte Faria

Undergrad Student of Economics | Age 21

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Education

Federal University of Ouro Preto - UFOP

B.A. Economics

March of 2017 - present

Federal University of Minas Gerais - UFMG

Visiting Undergrad Student (Economics)

February of 2019 - November of 2020

Academic Experiences

1. Scientific Research Initiation, February of 2018-February of 2019.

Here, me and my supervisor applied a Green Job index to the Minas Gerais (MG) state economy, with the purpose to find out how “green” this economy is.

Theme: “Sustainable Development on Minas Gerais: an analysis based on Green Jobs index”.

Supervisor: Phd. Héder Carlos de Oliveira. Professor at DEECO/UFOP and PPEA/UFOP.

2. Conjecture Center, June of 2018-February of 2019.

A group research project, where me and my colleagues were trying to answer the question: “Why the Brazilian interest rate is so high?”. We reached the conclusion that the high concentration on Brazilian bank market, was the main variable to explain this fact.

Supervisors: Phd. André Mourthé de Oliveira and Phd. Cristiane Márcia dos Santos. Both professors at DEECO/UFOP.

3. Volunteer Monitor, August of 2018-December of 2018.

Monitor at the course Mathematics for Economics II. I gave lessons to help students with difficulties to apply partial derivatives, optimization, differential equations and some other math tools to Economics.

Supervisor: Phd. Martin Harry Vargas Barrenechea. Professor at DEECO/UFOP and PPEA/UFOP.

Professional Experiences

4. Internship at Statistics and Information Department, August of 2019-present

*João Pinheiro Foundation*¹

My main responsibility at João Pinheiro Foundation is to calculate many indexes for a state law, that is traditionally called of “The Robin Hood Law”. I recently been developing a lot of innovations and automation’s for the calculus of such indexes of Robin Hood law, using the R programming language.

¹João Pinheiro Foundation is a research institution, founded in 1969. The institution have the purpose to provide research and knowledge to enhance public policy development and public management of Minas Gerais state government, located at Belo Horizonte-MG. Website: <http://www.fjp.mg.gov.br/>.

5. Internship on Business Intelligence, June of 2019-August of 2019.

Fideleasy²

My main responsibility at Fideleasy, was to maintain the many profit and revenue indexes of our main client at the time, the Belgian financial institution BT Transfers. While I worked there, I developed two new performance indexes for *Compliance* and *BackOffice* sectors of the company.

Personal projects

1. Book project, April of 2020-present. *In development.*

This book is aimed to the brazilian community, and seeks to provide a solid and concise introduction to the R Language.

FARIA, Pedro Duarte; PARGA, João Pedro Figueira Amorim. *Introdução à Linguagem R: seus fundamentos e sua prática*. 1. ed. Belo Horizonte: [s.n.], 2020. ISBN 978-65-00-12606-8. Disponível em: https://pedro-faria.netlify.app/pt/publication/book/introducao_linguagem_r/.

2. Course project, December of 2019-present. *In development.*

A course for introduce the R Language. At this moment, the course already had 2 editions. The first one, happened at João Pinheiro Foundation in the first semester of 2020, and the most recently one, is happening now online (due to Covid-19 security measures) since November of 2020, and is reaching students from 6 different countries.

3. Research project, September of 2019-December of 2019. *Concluded.*

FARIA, Pedro Duarte. *PINTEC: uma análise dos empregos em P&D*. Belo Horizonte. 2019. Disponível em: https://www.academia.edu/41221671/PINTEC_UMA_ANALISE_DOS_EMPREGOS_EM_P_and_D.

Knowledge on programming languages and software

1. R programming language.
2. SQL.
3. Latex.
4. QGis.
5. Microsoft Office and Power Bi.

Languages

- Portuguese (native).
- English (TOEFL ITP B2 level, September of 2018).

Grants

Scientific Research Initiation Grant (R\$ 4800), February of 2018 - February of 2019.

FAPEMIG, Foundation for Research of the State of Minas Gerais.

²Company of business management and consultancy services, located at Belo Horizonte-MG.

First Experience

6. Consecon Jr³, June of 2017- June of 2018. Email: conseconjr@gmail.com

Projects advisor. Work as a volunteer with stock management at Prímula Cosmetics⁴, and as a writer of journalist articles about economics for the local journal, Ponto Final⁵.

Courses and Complementary Education

Course, January of 2018.

“Rudiments of Project Management” by Bradesco Foundation (59 hours).

Course, April of 2018.

“Data Analysis with Stata” at Federal University of Ouro Preto, Mariana, Brazil (8 hours).

Course, December of 2018.

“Microsoft Excel 2010” three courses of basic, intermediate and advanced levels, by Bradesco Foundation (41 hours).

³Junior Company of Economics in Federal University of Ouro Preto. We work with financial and management consultancy for companies at Mariana and Ouro Preto regions. Website: <<https://conseconjr.wixsite.com/conseconjr>>.

⁴Little shop of cosmetics, located at Cachoeira Do Campo, Ouro Preto-MG.

⁵Journal company, located at São Pedro, Mariana-MG.