

Pedro Duarte Faria

Undergrad Student of Economics Science | Age 21

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Education

Federal University of Ouro Preto-UFOP

B.A. Economics Science

March of 2017 - present

- Conclusion expected to June of 2021. (In this moment I am at Federal University of Minas Gerais - UFMG, as a visiting student).

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 others math tools to Economics Science.

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

I work with a state law called the “Robin Hood Law”. This law rules the distribution of an important state tax throughout the municipalities of Minas Gerais. My job is to work with many data-sets of these counties, to calculate and publish their index of distribution every month. Besides that, the foundation is currently in a movement of change to new work tools, and I got lucky to make part of this movement. Because of my experience with the R language, I got together with other internship and two researchers ² (that work with R

¹João Pinheiro Foundation is a well known and respected Brazilian research institution. Founded in 1969, the institution has 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/>>.

²Fábio Júnior; João Pedro Figueira Amorim Parga; and Renato Vale dos Santos (Emails: joao.parga@fjp.mg.gov.br ; renato.vale@fjp.mg.gov.br).

too), and we started a course project to introduce R to the other researchers at the foundation. This is a special project for me. Being a future professor and researcher, I love to study, communicate and teach things that I enjoy, like R.

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

Fideleasy³

Here, I was responsible for developing new performance indexes for two sectors of the company (*Compliance* and *BackOffice*). I was responsible too for manage the revenue and profit indexes of our main client at that time, the belgian financial institution BT Transfers. These two tasks demanded from me, two knowledges that I didn't had at that time (SQL Language and Power Bi). Because of my past experience with programming (R), I learned SQL pretty fast, and got a good practical experience with it. I learned Power Bi and his language (DAX) too, being a simple software focused on filtering context.

Personal projects

Both researches are published (in portuguese) on my Academia page <<https://ufop.academia.edu/PedroFaria>>.

1. Research project, March of 2019-May of 2019. *Concluded*. Presented at ERECO-UFOP 2019.

FARIA, Pedro Duarte. *Growth of Green Jobs in Brazil, with focus to Minas Gerais state (2006-2017)*. Belo Horizonte. 2019.

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

FARIA, Pedro Duarte. *PINTEC: an analysis of R&D employment*. Belo Horizonte. 2019.

Knowledge on programming languages and software

1. R programming language (my main tool to data analysis - intermediate to advanced user).
2. SQL (database management system - intermediate).
3. Latex (typesetting system - intermediate).
4. QGis (Geographic information system - basic user).
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.

³Company of business management and consultancy services, located at Belo Horizonte-MG.

⁴This work was presented at XXIV Regional Meeting of Economis Students Sudest region (ERECO-UFOP 2019). 14-17 of November, Ouro Preto-MG. Website of the event: <<https://www.erecoufop2019.com/>>.

First Experience

6. Consecon Jr⁵, June of 2017- June of 2018. Email: conseconjr@gmail.com

Projects advisor. Work as a volunteer with stock management at Prímula Cosmetics⁶, and as a writer of journalist articles about economics for the local journal, Ponto Final⁷.

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).

⁵Junior 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>>.

⁶Little shop of cosmetics, located at Cachoeira Do Campo, Ouro Preto-MG.

⁷Journal company, located at São Pedro, Mariana-MG.