

# Georges Bournigal

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## SKILLS

### PROGRAMMING

Multiple projects

•Python •R •SQL

Familiarity

•Javascript •HTML •CSS

### TOOLS

•Pandas •Numpy •Scikit-learn •Tensor-  
Flow Extended •CLI •Git •Streamlit  
•Dash •Tidiverse •Networkx •XGBoost  
•LightGBM

## FURTHER EDUCATION

### PYTHON CORE

Jetbrains Academy

November 2022

### MACHINE LEARNING ENGINEERING FOR PRODUCTION (MLOps)

#### SPECIALIZATION

Coursera, DeepLearning.AI

July 2022

### APPLIED DATA SCIENCE WITH PYTHON SPECIALIZATION

Coursera, University of Michigan

October 2021

## LINKS

Personal website:// [gbournigal.github.io](https://gbournigal.github.io)

LinkedIn:// [georges-bournigal](#)

Github:// [gbournigal](#)

## RESEARCH

- Predicción del Default en Carteras de Crédito: Un Enfoque de Machine Learning (ML) (2022): [bancentral](#)
- Riesgo de crédito en la República Dominicana: Estudio de matrices de transición (2021): [sb.gob.do/publicaciones/publicaciones-tecnicas/](https://sb.gob.do/publicaciones/publicaciones-tecnicas/)
- Analyzing tweets of US Senators: Ideology and Communication during Political Competition (2020). Available upon request.

## EXPERIENCE

### SENIOR RESEARCH SPECIALIST BANKING SUPERINTENDENCY

Dec. 2020 – Present

- Conduct academic studies and working papers to increase knowledge production on the financial system.
- Model credit rating transition probabilities using different machine learning methodologies.
- Simulate impact on provision requirements based on transition probabilities.
- Incorporate and maintain new data sources for the Department's databases.
- Web scraping to consume web sources automatically.
- Generate automatic reports on different areas of the economy.

### SENIOR ECONOMIST COMMERCIAL BANKS ASSOCIATION

Sep. 2020 – Dec. 2020

- Coordinate the automation process of current situation reports and creation of a daily indicators platform.
- Automate data query and consumption.
- Improve and consolidate surveys for internal consumption by the Associated Banks.
- Write articles of interest and plan future research and projects.

### TEACHER'S ASSISTANT PUC (CHILE) AND UBC

Jan. 2018 – Jul 2018 y Aug. 2019 – Jul. 2020

- Assistant to Jeanne Lafortune in Microeconomics 1 at PUC (Chile). (2018)
- Assistant to Clive Chapple and Robert Gateman in ECON 101 (Introduction to Microeconomics) and ECON 102 (Introduction to Macroeconomics) at UBC. (2019-2020)

### ANALYST ANALYTICA EMPRESARIAL

Sep. 2018 – Jul. 2019

- Data analysis for businesses. Generate and maintain models to predict the behavior of economic variables in the Dominican Republic.
- Consult databases and generate monthly reports.
- Present data and dashboards for both managerial and public consumption.

## EDUCATION

### M.A ECONOMICS UNIVERSITY OF BRITISH COLUMBIA

Aug. 2019 – Aug. 2020 | Vancouver, Canadá | 4.3/4.33

### BACHELOR'S DEGREE IN ECONOMICS PONTIFICIA UNIVERSIDAD CATÓLICA MADRE Y MAESTRA

Aug. 2015 – Aug. 2019 | Santo Domingo, RD | Magna Cum Laude

### ACADEMIC EXCHANGE, ECONOMICS PONTIFICIA UNIVERSIDAD CATÓLICA DE CHILE

Aug. 2017 – Aug. 2018 | Santiago, Chile