

# **Glaucia Estefânia de Sousa Ferreira**

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## **Education**

12/2006 – B.A. in Statistics on National School of Statistical Sciences – ENCE  
12/2008 – Datamining course – PUC-Rio  
10/2012 – M.A in Decision Support Methods - Electrical engineering – PUC-Rio  
04/2018 – Policy Impact Analysis – Université Laval

## **Languages**

**Portuguese Native, Fluent English, Advanced Spanish e Basic German**

**Work experience in the USA** on Dez/2003 – Mar/2004

## **Short Bios**

Statistical Consultant providing assistance to researchers who need to use large sets of databases from different institutions. The main tools used are software SAS, STATA and R software, currently learning POSTGRESQL and PYTHON.

Graduated in Statistics from ENCE - National School of Statistical Sciences and Master in Electrical Engineering from Catholic University of Rio (PUC-Rio). She has more than 10 years of professional experience in Probability and Statistics, with a focus on data modeling. She has worked on different projects led by national and international institutions, such as UN / ECLAC, IPEA, World Bank, IDB and OECD.

## **Professional Experience**

### **➤ Research assistant at IPEA – Institute for applied economic research**

**July/2020 –July/2022:** *Statistical Consulting to researchers that require to use IBGE microdata through the no disidentified data access room (secret room). Among the function performed are the generation of descriptive statistics, generation of statistical models, assistance in the use of econometric techniques and manipulation of big databases, such as: Annual Industrial Survey (PIA-IBGE); Annual Survey of Services (PAS-IBGE), Annual Survey of Commerce (PAC-IBGE); Innovation Research (PINTEC-IBGE), Annual Report of Social Information (RAIS-MTE). The main tools used are software SAS, STATA and R. **Previous work at the same institution: April/2019- April/2016; June/2014- June/2011***

**August/2020:** *Published article in World Development "Production fragmentation and upgrading opportunities for exporters: An empirical assessment of the case of Brazil" result of statistical consultancy carried out with researcher Caio Torres Mazzi.*

### **➤ Consultant at Inter-American Development Bank (IDB)**

**November/2020 – December/2022:** *Assistance in the management of data from the administrative records of the Ministry of Economy to contribute to the preservation of income and employment levels for people affected by the pandemic, and thus generating statistics for subsidiary analyzes of monitoring and evaluation.*

**18April2018 – 05Set2018:** *Investigating barriers to innovation in the Brazilian domestic market.*

### **➤ Consultant at Getulio Vargas Foundation (FGV/RJ)**

**October/2021 – September/2022:** *Research assistant to study the ICMS*

**May/2020 – December/2020:** Modeling for forecasting natural gas demand

**February/2019 – June/2019:** Assisting in the production of the article *Barriers to Innovation in Brazil: Public Policies and Impact on Productivity*

➤ **Research assistant at World Bank (World Bank - Wb)**

**01Jun2020 – 15Jun2020:** Assistance in formatting some tables and generating STATA programming.

**Mar2014 – Jun2016:** Estimating the contribution of the internet on Brazilian wages

➤ **Consultant at United Nations (UN)/ECLAC**

**30Mar2020 – 14May2020:** Production of an article on "Gender diversity" using RAIS microdata.

**18Dez2019 – 18Fev2020:** Generation of explanatory document on the RAIS database describing the variables and problems in using this database. In addition to creating a dictionary of the RAIS database.

**10May2019 – 30Out2019:** The work to be performed by the consultant is to program, extract, and process data related to total factor productivity (TFP) and capital stock. Perform extraction, tabulation and programming (SAS e Stata) activities, in face-to-face regime at IBGE's secret room.

➤ **Research assistant at Higher Education and Research in the Fields of Business, Economics, Law, and Engineering (INSPER)**

**01Out2019 – 15Mar2020:** Total Factor Productivity and Education of Employees of Brazilian Firms

**July/2017 – December/2017:** Concentration Measures in Brazilian Industry Sectors.

➤ **February/2019 – June/2019 – Getulio Vargas Foundation (FGV/RJ)**

**Artigo:** *Barriers to Innovation in Brazil: Public Policies and Productivity Impact*

➤ **October/2017 - March/2019 - Global development network (GDN) / JAPAN INTL COOPERATION AGENCY (JICA)**

**Researcher Assistant:** Investigating the impact of management on firm's performance

➤ **Septembro/2017 – Setembro/2019 – Project PMMA- 20201 with PEP – Partnership for Economic Policy**

**Article:** *Fostering innovation through workplace diversity in Brazil*

➤ **18April2018 – 05Set2018 – Secretary of Education of the Municipality of Rio de Janeiro**

**Research assistant:** Assistance and attendance to staff and researchers requesting information on education database. Meet the demands of secretary of education. Produce strategic information to support decision making. Responsible for the criticism of the indicators generated by the Rio Excellence project.

➤ **02Jun2014 – 18Mar2016 – FINATEC - Foundation of Scientific and Technological Enterprises**

**Statistics specialist:** Manipulation of secret databases IBGE (PIA, PAS, PAC, and PINTEC) and some external databases (RAIS, SECEX, MDIC, BNDES) using SAS and STATA for economic analysis meeting the demand of the researchers. Service, reception and control researchers to use the secret room. Process control (TR) and releases the results to the researchers. The main objective was to help the researchers in the statistical part of the articles that join in the two volumes of the book "Productivity in Brazil performance and determinants".

➤ **December/2010 – October/2011 – Light Electricity Service S/A**

**P&D project consulting:** Project Research & Development: Modeling and Forecasting Legal Proceedings in an electricity distribution company.