

# Angelo Fernando Gonzaga dos Santos

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## Education

**PhD candidate in Economics**, University of Houston, USA, **2020 - 2025**.

**MSc in Economics**, Federal University of Pernambuco, Brazil, **2020**.

**MSc Thesis:** Determinants of Urban Sprawl in Brazil

**BSc Economics**, Federal University of Pernambuco, Brazil, **2017**.

**Award:** Best student award (Academic Láurea)

**BSc Thesis:** Institutions and Economic Growth: Evidence from African Countries

## Work Experience

**Research Assistant for Chinhui Juhn and Yona Rubinstein - UH - Fall semester 2021 - Current**

Research assistant in a project related to labor economics. In this job, I have scrapped more than 9 million books information, cleaned, organized and created some variables to construct the database. This project will continue in the next semester and we plan to write a paper about the authors market using this new database.

**Graduate Research Assistant of FACEPE - Recife, Brazil, 2018 - April 2020.**

**Research Assistant at Núcleo de Estudos Regionais e Urbanos (NERU) - Recife, Brazil, 2018- April 2020**

Research assistant supervised by the professor Raul da Mota Silveira Neto (Economics Department at UFPE). Projects related to Urban Economics and Regional Economics.

**Undergraduate Research Assistant at PET-Economia - UFPE - Recife, Brazil, 2014-2017.**

Undergraduate Scientific Research Program from the Brazilian Government (CNPq).

## Conference Organization

VI Encontro Pernambucano de Economia (ENPECON), 2017

V Encontro Pernambucano de Economia (ENPECON), 2016

IV Encontro Pernambucano de Economia (ENPECON), 2015

III Encontro Pernambucano de Economia (ENPECON), 2014

## Teaching Experience

### **Federal University of Pernambuco - UFPE**

T.A., Elements of Mathematical Economics I, Fall 2015.

T.A., Macroeconomics I, Fall 2016.

### **University of Houston**

T.A., History of Economic Doctrine (Undergraduate course), Fall 2021

T.A., Intermediate microeconomics (Undergraduate course), Fall 2021

T.A., Macroeconomic theory 2 (PhD course), Spring 2022.

## Awards, Grants and Fellowships

**PhD Scholarship**, University of Houston, August 2020 - August 2025

**Presidential Fellowship**, University of Houston, August 2020 - August 2022

**FACEPE MSc Scholarship**, Department of Economics, Federal University of Pernambuco (UFPE), 2018-2020.

**Academic L urea - Best student award (BSc degree)**, 2017

**CNPq Undergraduate Scientific Research Program**, Department of Economics, Federal University of Pernambuco (UFPE), 2014-2017

## Courses and Workshops:

**Advanced course in Evaluation of Public policies and Social projects**, Funda  o Get lio Vargas, S o Paulo, January 2020.

The course presents advanced methodologies and practices in Economic Evaluation of projects (impact evaluation and economic return). The subjects of the course combine applied econometric methods (casual inference) and management of Evaluation projects. Also, There is a course in STATA software and development of a project of impact evaluation.

**Link:** <https://www.redeitausocialdeavaliacao.org.br/cursos/curso-avancado-de-avaliacao-de-politicas-publicas-e-projetos-sociais-4/>

**Curso de Imers o em empreendedorismo social - Course of Social entrepreneurship**, Porto Social, Recife, 2019.

The course presents the aspects of a social project, as its juridic, administrative issues. I have also learned about the social ecosystem in Recife. There are studies about how to create and idealize a social project. During the course, we have the opportunity to know real social projects at Recife and talk with its leaders and supporters.

**Link:** <http://www.portosocial.com.br/imersao/>

## Languages

**Portuguese:** Native

**English:** Speaking - Advanced | Reading - Advanced | Writing - Advanced

**French:** Speaking - Basic | Reading - Intermediate | Writing - Basic

**Spanish:** Speaking - Intermediate | Reading - Advanced | Writing - Basic

## Skills

**Research**

**Data analysis**

**Data management**

**Data mining**

**Computational:** Python - Advanced | R - Basic | Stata - Intermediate | Latex - Intermediate | Office Package | Matlab - Intermediate.

**Some projects with data:**

### 1. Scrapping data about places and apartments

The project was a data collection through web scrapping in six sites, creating a database with more than twenty thousand apartments and eleven thousand sites in Recife. The information about the apartments included prices, location, amenities of the unit, and mapping about near the units. For the sites, were collected the address and location (latitude and longitude). The package pandas have been used to perform database manipulation. The request method with the Beatifulsoup package has been used to perform the scrap. With this data, an analysis using machine learning has been performed interesting in predicting results. As soon as we know, this is an original database.

### 2. Master's thesis

The construction of the database used in the Master's thesis had merged into five databases. The Brazilian census with 27 million observations had to be used to obtain information about households income, Gini index, and subnormal regions. The research conducted by UNDP has information about population to the geographic units of Brazil, compatibles with the census. Were used PAM and PPM to collect agriculture productivity data. And info about the land cover was collected using the MAPBIOMAS project. Python has been used to merge these datasets, making it possible to obtain a panel with three census years and information for 3596 municipalities in 1991, 4156 in 2000, and 4198 in 2010. After constructing this, I used Stata to run econometric models.

### 3. Books project - RA job for Chinhui Juhn and Yona Rubinstein

Information about more than 9 million books has been collected and cleaned using python. The dataset includes the author, gender of the author, genre, publishing date, year and location of publication, and codes for identification. We continue to work on the project to collect demographic and author information, as author's genre, occupation, marital status and others. As soon as we know, this is an original database.