

# Andre Assumpcao

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## SKILLS

### PROGRAMMING

Python, R, Stata  
 L<sup>A</sup>T<sub>E</sub>X, Markdown, HTML/CSS  
 Git, Shell Scripting (*intermediate*)  
 SQL, Apache Spark, Hadoop (*basic*)  
 GIS (*basic*)  
 JavaScript (*basic*)

### QUANTITATIVE ANALYSIS

Linear Regression  
 Causal Inference  
 Natural Language Processing  
 Statistical Learning

## SOFTWARE

### TEXT ANALYSIS

textfind (*Stata*)  
 keywordextraction (*Python*)

### WEB SCRAPING

tse (*Python*)  
 tjsp (*Python*)

## EDUCATION

### PH.D., PUBLIC POLICY

UNC-CHAPEL HILL  
 May, 2020 | Chapel Hill, NC, USA

### M.A., PUBLIC POLICY

UNC-CHAPEL HILL  
 May, 2019 | Chapel Hill, NC, USA

### M.P.P., PUBLIC POLICY

GETÚLIO VARGAS FOUNDATION  
 Oct, 2012 | São Paulo, SP, Brazil

### B.A., ECONOMICS

THE UNIVERSITY OF CAMPINAS  
 Dec, 2008 | Campinas, SP, Brazil

## LINKS

Github: [aassumpcao](#)  
 LinkedIn: [Andre Assumpcao](#)  
 Twitter: [@aassumpcao\\_](#)

## EXPERIENCE

### HARVARD UNIVERSITY | POST-DOCTORAL FELLOW

Jun 2020 - (current) | Cambridge, MA, USA

- Developing natural language processing approaches to social sciences research.
- Working on project evaluating technology-based skill transformation in the U.S. throughout the 20th century.
- Working on cross-country online survey experiment on national identity.

### UNC-CHAPEL HILL | PH.D. STUDENT

June 2015 - May 2020 | Chapel Hill, NC, USA

- **Independent Research**
  - Implemented text classification algorithms to predict legal statuses used by judges when convicting/acquitting defendants in case at the Brazilian Electoral Court;
  - Implemented penalized regression techniques to predict whether politicians were favored in Small Claims Courts in Brazil using public court documents and politicians' individual characteristics;
  - Implemented difference-in-differences, regression discontinuity, and instrumental variables designs in various projects to identify (plausibly) causal effects of policy on social, economic, and political outcomes.
- **Advisor-led Research**
  - Conducted text analysis of religious speech recordings in Zambia to extract mentions of candidates in the 2016 presidential election;
  - Designed and applied survey experiment in drought-stricken area in Brazil assessing community water management practices;
  - Created corruption measures using factor analysis of qualitative survey responses from Malawi.

### THE BROOKINGS INSTITUTION | SUMMER RESEARCH INTERN

Jun 2016 - Aug 2016 | Washington, DC, USA

- Conducted exploratory data analyses for Metropolitan Policy Program;
- Wrote 5+ analytical pieces for the Paris Global Competitiveness report;
- Wrote independent academic research grant on the impact of immigration on human capital in U.S. metropolitan areas.

### U.K. FOREIGN AND COMMONWEALTH OFFICE | ECONOMICS OFFICER

Apr 2013 - Jul 2015 | São Paulo, SP, Brazil

- Managed £300,000 in U.K.-Brazil cooperation projects in finance and transparency;
- Responsible for monthly and ad-hoc reporting on the Brazilian economy to U.K. stakeholders;
- Organized 3+ workshops on improving Brazil's financial sector (e.g. small and medium-sized companies capital market funding, development of the Brazilian corporate bond market, currency internalization of the Brazilian Real);
- Supported 5+ official Ministerial visits (e.g. HMT Chancellor of the Exchequer, 2x BIS Secretary of State, Brazilian Finance Minister and Securities Exchange Commission President).

(Previous Experiences Omitted) Jan 2009 - Dec 2011 | São Paulo, SP, Brazil