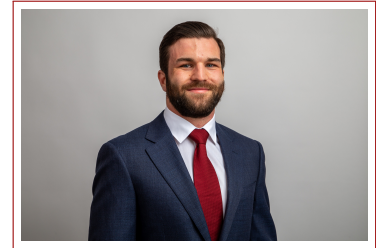


# Stuart Wilson

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🌐 Website



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## Personal Information

Date of Birth 25/01/1994  
Place of Birth New Orleans, Louisiana, USA  
Nationality USA

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## Education

- 10/2017–10/2020 **Master of Science, Economics, LMU, Munich, Germany, 1.9.**
- Concentrated on taking lectures and seminars dealing with econometrics and data analysis
  - Thesis: "Discrimination in Disaster: The Impact of Racial and Socioeconomic Factors on FEMA Flood Zones" – Grade: 1.0
    - Gathered demographic, economic, environmental, and FEMA flood map data for over 40 cities across the US.
    - After cleaning the data with ArcGIS and Python, ran OLS, lagged dependent variable, and spatial regression discontinuity models in order to determine if flood zone designation in the US is influenced not only by environmental but also socio-demographic factors
- 09/2012–05/2016 **Bachelor of Arts, Interdisciplinary Math & Economics, Fordham University, Bronx, New York, 3.73 (German equivalent: 1.3).**
- Learned about modern economic analysis while also studying the necessary mathematical foundations
  - Obtained best GPA within major
  - Inducted into Phi Beta Kappa, the oldest honor society for academics within the US
- 08/2008–05/2012 **High School Diploma, Jesuit High School, New Orleans, USA.**

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## Experience

- 06/2020–05/2021 **Volunteer, NextGen IP, New Orleans, USA.**
- During the COVID-19 Pandemic, volunteered for a foundation designing a new school program which will allow grade school and high school students to file their own patents with the US Patent Office
  - Identified potential methods to evaluate the efficacy of the program in the future with statistical methods like regression and classification
  - Helped compose an application for a US government contract in order to fund and implement the program
- 05/2016–09/2017 **Legal Assistant, Donovan & Lawler Law Firm, Metairie, USA.**
- Utilized spreadsheet software in order to monitor information for numerous cases and to create helpful graphics like timelines
  - Read through deposition transcripts and condensed them into practical summaries of their critical points

08/2015–02/2016 **Data Collector**, *Bronx Community Development Initiative*, Bronx, USA.

- Surveyed hundreds of residents of the Bronx in order to obtain information regarding their demographic and socioeconomic situations
- Entered and cleaned the data in order to make it usable for software like Excel or Python
- Summarized the data into reports with key insights and graphics, which helped to determine what type of locally-owned business could succeed in the Bronx

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## Projects

### Identifying Long-term Economic Differences in India.

- Collected and merged socioeconomic, demographic, and geographic data on India from numerous sources like the Indian Census and NASA satellite imagery
- Cleaned and made this data usable for analysis with Python and ArcGIS
- Created an instrumental variable model and a spatial regression discontinuity model in R to determine whether variations in colonial government in India during British rule led to differing economic well-being today

### Exploration of NEISS Dataset.

- Undertook exploratory data analysis on a dataset with over 1.8 million observations describing hospital visits caused by consumer products
- Using pandas, answered questions like what type of injuries have decreased most dramatically in 2020 due to the Coronavirus and created corresponding visualizations with seaborn
- Built a logistic regression classifier with over 90% accuracy which utilized NLP in order to predict the location where an injury occurred

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## Languages

English Native

German B2

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## Technical Skills

Programming: Python, R, SQL

Office Software: Word, Excel, PowerPoint

Scientific Software: NumPy, SciPy, Pandas,  
Scikit-learn, Tidyverse,  
TensorFlow, LaTeX

Visualization: ggplot2, Matplotlib,  
seaborn

Miscellaneous: Git, ArcGIS