MASON ROSS HAYES

@ masonhayes2@protonmail.com   ✆ +33 7 61 57 11 69   ⚲ Toulouse, FR
in linkedin.com/in/masonrhayes   ⚙ github.com/masonrhayes   masonrhayes.com

Master's student at the Toulouse School of Economics, interested in industrial organization, marketing, and consulting. Passionate about language learning, literature, open science, and open source software.

EXPERIENCE

Nonprofit Consultant
The Oklahoma Group

📅 Jan 2020 – May 2020   ⚲ Norman, OK

- Provided *pro bono* consulting services to a nonprofit literacy center in the Oklahoma City area to help maximize its social impact and expand its mission
- Created new marketing ideas and outreach techniques to increase the potential client base
- Cleaned, analyzed, and visualized marketing and financial data in R to help the nonprofit learn how to better engage its clients
- Publicly presented and explained research findings

Skills: | Teamwork | | Marketing | | Public Speaking |

Exam Editor for Honors Statistics
Department of Economics, University of Oklahoma

📅 May 2018 – Aug 2018   ⚲ Norman, OK

- Created and edited questions and answers for exams for the Honors Elements of Statistics course at the University of Oklahoma
- Fixed mathematical and statistical mistakes on the exam answer keys
- Provided new, concise answer key explanations to serve as a resource to future students

Skills: | Probability | | Statistics | | Communication |

Undergraduate Research Assistant
Lab of Integrated Neuroimaging and Neuromodulation, University of Oklahoma

📅 Jan 2017 – May 2017   ⚲ Norman, OK

- Performed experiments using electroencephalography (EEG) and near-infrared spectroscopy (NIRS) with the Lab of Integrated Neuroimaging and Neuromodulation at the University of Oklahoma
- Developed a final presentation on the applications of EEG to Alzheimer's research

Skills: | Research | | Public Speaking | | Communication |

HIGHLIGHTED COURSES

- Data Science for Economists - used **R** and **Julia** for machine learning (**mlr3, Turing.jl**); learned the basics of **SQL**
- Bayesian Econometrics - MCMC in **R** and **Julia** (**RJAGS, LaplacesDemon, coda, Turing.jl**), posterior inference and hierarchical models
- Financial Markets
- Game Theory
- Probability Modeling (Fall 2020)

PRIMARY WORK INTERESTS

- Industrial organization
- Marketing and market research
- Economic consulting

EDUCATION

M.S. in Economics
Toulouse School of Economics (TSE)

📅 Sep 2020 – May 2022

B.A. in Economics & International Studies
University of Oklahoma (OU)

📅 Aug 2016 – May 2020 | **3.92/4.00 GPA**

Exchange Program in Economics
Masaryk University

📅 Sep 2018 – Jun 2019 | **Top 20%**

SKILLS

R		Data Science		Consulting
Communication		Econometrics
Git/GitHub		Microsoft Office

LANGUAGES

English ●●●●●
Spanish ●●●●○
French ●●○○○

HONORS

- **American Friends of TSE Excellence Scholarship** – awarded each year to one TSE student for academic excellence and professional projects in line with TSE's training objectives
- **Robert Dean Bass Memorial Scholarship** – for exceptional Economics students at the University of Oklahoma (OU) interested in public service in the USA
- **Holmes Scholarship** – for outstanding Economics students at OU
- **National Merit Scholar** – full college tuition scholarship earned by only 15,000 out of 1.6 million students who enter the competition

RELEVANT PROJECTS

- **sciteR**, a custom R package to gather journal-level citation data from scite.ai
- **Analyzing Journal-Level Citation Data from scite** - used **mlr3** to classify academic journals by subject based on their citation data
- **Visualizing Cryptocurrency Price Trends in R**
- **Graphing the Spread of Covid-19** with R and Shiny