Yang Cheng

Mobile : +1(540)251-9545   Email : yangcheng@vt.edu   https://www.linkedin.com/in/yang-cheng-200118191/

Skills

Professional: Applied Econometrics, Causal Inference, Time Series Forecasting, Data Analytics, Machine Learning, Natural Language Processing, Remote Sensing, Data Visualization, Latex, Git

Programing : R, Python, STATA, JMP

Education

- **Virginia Tech**   Blacksburg, VA
  Ph.D. Applied and Agricultural Economics   *Aug. 2019 - present*

  M.A. Data Analytic and Applied Statistics

- **China Agricultural University**   Beijing, China
  M.S. Agricultural Economics   *Aug. 2017 - July. 2019*

- **China Agricultural University**   Beijing, China
  B.A. Agricultural Economics   *Aug. 2013 - July. 2017*

Research Project

- **Green Skills and Green Potential Prevalence: An Application to Appalachia(2022)**: This project Creates a green potential index that summarizes its green task content and a skill matrix that summarizes the green skill content of a community can outline its vulnerability or resilience to a green economic transition.
- **Using PICES Data to Visualize District Level Multidimensional Poverty in Zimbabwe, DSPG(2021)**: This project uses data from the Poverty, Income, Consumption, Expenditure Survey (PICES) to provide granular information on poverty in Zimbabwe. Dashboard: https://dspgtools.shinyapps.io/dspg21zimbabwe/
- **Service Provision for Vulnerable Transition Aged Youth in Loudoun County, DSPG(2021)**: This project aims to map and describe service provision for TAY and vulnerable TAY in five major pillars critical to achieving or maintaining independence as well as well-being: education, employment, housing, transportation, and healthcare. Dashboard: https://dspgtools.shinyapps.io/dspg21loudoun/

Internship Experience

- **VT Data Science for the Public Good**   Blacksburg, VA
  Data Analytics Instructor&Research Associate   *June 2022 - August 2022*
  - Teaching Data Analytics to interns and teaching students how to code in R.
  - Providing research consulting for 5 projects.
  - Managing the organization of the research teams.

- **VT Data Science for the Public Good**   Blacksburg, VA
  Graduate Fellow & Research Team Leader   *June 2021 - August 2021*
  - Coordinating with stakeholders for designing and implementation of analytic solutions as per project proposals
  - Directing undergraduate research and mentoring undergraduates students in Data Analytics.
  - Supporting team members in development of automated processes for data extraction and analysis with data from U.S. Census Bureau specifically American Community Survey
  - Preparing detailed technical documentation such as workflows, scripts and diagrams in coordination with other research scientist.
  - Conducting Geospatial Analysis, advanced data visualizations in leaflet and RShiny
  - Working on Data Visualization and building Dashboards and Dynamic Interactive systems

Teaching Experience

- **Instructor**: AAEC1005 Microeconomics, Fall 2021