Curriculum Vitae

Name: Chi Zhang   Gender: Male   DOB: January 08, 1996
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Education Background

· The University of Texas at Austin, Texas, USA   GPA: 3.7/4.0   2019 - Present
  M.A. in Economics
· Nanjing Agricultural University, Nanjing, China   GPA: 3.64/4.0   2014 - 2018
  B.A. in Agricultural Economics (Class 142)
· Exchange Project Sponsored by Purdue University   August - September 2017

Research Background

Paper Published/Accepted

· Zhang, Chi and Li, Xiangmei. (2018) "Impact of Climate Change on Food Production: An Empirical Analysis Based on Panel Data in Eastern Fujian, China," Ecology Economy, 2018,34(08): 6-9.

Projects and Term Papers

· **R package: TSSCSynth**

  The goal of this package is to provide a new two-step synthetic control (TSSC) method that comprises a formal test for the parallel trends assumption in the first step, and the application of an appropriate synthetic control method in the second step. After testing, the most appropriate synthetic control model can be determined.

· **R package: Synth.Infer**

  This package serves to provide a properly designed subsampling method that can be used to obtain confidence intervals and conduct inference for average treatment effects estimated by synthetic control methods.

· **Project: A Sentiment Classification of Movie Reviews**

  - Preprocess raw text including tokenization, lemmatization and stop word removing
  - Build word embedding model (*GloVe* and *tex2vec*) to map words to vector
  - Apply machine learning algorithms like *Random Forest, SVM, CNN and so on* to identify opinions in movie reviews and label them into positive, negative, and neural
  - Use evaluation methods to measure the effectiveness of each text classifier.

· **Project: Reading Streaming Music: Approaches to Analysis in 2019 Pop Music**

  - Apply model selection and regularization methods to derive the optimal predictive model possible for the stream of songs
  - Segment the songs into five groups through unsupervised algorithms like *Bayesian Logistic Regression, Hierarchical Rocchio and so on*
  - Estimate the popularity trend for various groups throughout the year.

· **Project: What Influence Salesmen's Goal Orientation**

  - Employ *PCA method* for dimensionality reduction and thereby categorize variables into several segments

- Use *Seemingly Unrelated Regression (SUR)* to find the relationship between the goal orientation and respondent's demographics.
・ **Term Paper: The Impact of Higher Education on Educational Opportunity Equality in China**
Apply *the Regression Discontinuity Design (RDD)* to analyze the effectiveness of enrollment expansion policy initiated in China in 1999 in mitigating the inequality of higher education opportunities among high school graduates with urban-rural divide or from different strata.

Campus Activities & Awards
・ Winning the Third Prize in undergraduate division of 2018 IFAMA (International Food and Agribusiness Association) Business Case Competition in Buenos Aires, Argentina   April - June 2018
・ Winning the Excellent Thesis Prize   June 2018
・ Participating in societal research on living qualities of rural migrant workers in Nanjing   October - December 2017
・ Served as Dais Head of 6th Jiangsu Model United Nations Conference   May 2017
・ Participating in the field survey on living qualities of farmers in Jiangsu organized by China Center for Agricultural Policy of Peking University   September 2016 - February 2017
・ Served as the Secretary-General and General Director of 3rd Pan-Jiangnan MUNC in Nanjing University in Posts and Telecommunications   December 2016
・ Participating in 12th China Model United Nations Conference   November 2015
・ Participating in SRTP (Student Research Training Program), studying relevant impacts climate change may bring to crop yield in some regions   September 2015 - May 2016

Skills & Languages
・ Proficient in statistics software: R, MATLAB, Python, STATA, SAS.
・ Bilingual: Native - Mandarin, Fluent – English.
・ Proficient in typesetting system: LaTeX.