

J. Bradley Eustice

Economist & Data Scientist

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EDUCATION	<p>Ph.D. in Economics / Washington State University (expected) 2019</p> <ul style="list-style-type: none">• Dissertation: <i>“Topics in Spatial-Temporal Economics.”</i>• Presented research at 8 conferences/forums across the US and Canada• Published (with colleagues) in the leading transportation journal• Awarded 5 years of funding, including a one-year fellowship in transportation economics• Wrote multiple scripts in a variety of languages to gather, clean, transform, and analyze data<ul style="list-style-type: none">– Example: R script that gathered 50k+ routes via the Google Maps API– Example: Stata script that merged housing data with US Census data via county-level FIPS codes and created spatial weighting matrices• Sub-specialties: applied econometrics, applied microeconomics, and behavioral economics <p>M.S. in Statistics / Washington State University 2016</p> <ul style="list-style-type: none">• Capstone: <i>“Detecting Price Diffusion Across Natural Geographic Boundaries: An Application of Vector Autoregressive Models.”</i>• Implemented machine learning models in R and Scala• Attained proficiency in big data tools (i.e., Apache Spark and Scala) outside of class<ul style="list-style-type: none">– Example: performed PCA on FIFA 2019 player data (from Kaggle) to predict player impact <p>B.A. in Economics / Brigham Young University 2011</p> <ul style="list-style-type: none">• Minors in Business Management and Mathematics• Research Assistant under Dr. Lars Lefgren investigating the effect of social networks on college sports
EXPERIENCE	<p>Instructor / Brigham Young University, Washington State University 2017, 2019</p> <ul style="list-style-type: none">• Designed and taught a Senior-level economics class (Industrial Organization)• Students consistently rated the class above average: 4.3/5 <p>Graduate Research Assistant / Washington State University 2012 - 2019</p> <ul style="list-style-type: none">• Created/maintained 100+ public-facing Tableau charts which visualize freight statistics• Partnered with professors from the Freight Policy Transportation Institute to prepare two reports (i.e., analysis, writing, etc.) for the Washington State DOT and the USDA <p>Strategic Forecast Analyst / US Airways 2011 - 2012</p> <ul style="list-style-type: none">• Managed over \$150M+ in yearly revenue, increasing revenue 5% YOY <p>Financial Analyst - Intern / BYU Global Financial Advisors 2010</p> <ul style="list-style-type: none">• Analyzed Priceline.com (PCLN) and advised senior management on company potential• Obtained Bloomberg certifications in Equity and Fixed Income <p>Co-Founder & Chief Engineer / The Garage Men 2008 - 2010</p> <ul style="list-style-type: none">• Ran a successful garage floor resurfacing business to help pay for college• Steered the company to become debt free in four months <p>Full-time Service Missionary / The Church of Jesus Christ of Latter-day Saints 2005 - 2007</p> <ul style="list-style-type: none">• Trained and managed more than 70 volunteers in the St. Petersburg, Russia area• Implemented a training course in Russian language, culture, and people skills
SKILLS	<p>Computer: R, Stata, Python, Scala, Apache Spark, Matlab, SAS, SQL, C, C++, Tableau, Unix, HTML, CSS, MS Office, \LaTeX</p> <p>Machine Learning: Random forests (with boosting), k-nearest neighbors, k-fold cross-validation, k-means clustering, hierarchical clustering, support vector machines, principal component analysis, discriminant analysis, A/B testing, ensemble methods</p> <p>Econometrics: linear regression (stepwise, ridge, lasso, etc.), time series, panel data methods, logistic regression, ANOVA</p> <p>Languages: English (native), Russian (proficient)</p>