

# J. Bradley Eustice

Ph.D. Economist & Data Scientist

209.589.8951 • jbradleyeustice@gmail.com • <https://jbradleyeustice.com>

EDUCATION	<b>Ph.D. in Economics</b> – Washington State University	2019
	<ul style="list-style-type: none"><li>• Dissertation: <i>“Topics in Spatial-Temporal Economics.”</i></li><li>• Presented research at 8 conferences/forums across the US and Canada</li><li>• Published (with colleagues) in the leading transportation journal</li><li>• Awarded 5 years of funding, including a one-year fellowship in transportation economics</li><li>• Wrote multiple scripts in a variety of languages to gather, clean, transform, and analyze data<ul style="list-style-type: none"><li>– Example: R script that gathered 50k+ routes via the Google Maps API</li><li>– Example: Stata script that merged housing data with US Census data by county-level FIPS codes and created spatial weighting matrices</li></ul></li><li>• Sub-specialties: applied econometrics, applied microeconomics, and behavioral economics</li></ul>	
	<b>M.S. in Statistics</b> – Washington State University	2016
	<ul style="list-style-type: none"><li>• Capstone: <i>“Detecting Price Diffusion Across Natural Geographic Boundaries: An Application of Vector Autoregressive Models.”</i></li><li>• Implemented machine learning models in R and Scala</li><li>• Attained proficiency in big data tools (i.e., Apache Spark and Scala) outside of class<ul style="list-style-type: none"><li>– Example: performed PCA on FIFA 2019 player data (from Kaggle) to predict player impact</li></ul></li></ul>	
	<b>B.A. in Economics</b> – Brigham Young University	2011
	<ul style="list-style-type: none"><li>• Minors in Business Management and Mathematics</li><li>• Research Assistant investigating the effect of social networks on college sports</li></ul>	
EXPERIENCE	<b>Graduate Research Assistant/Associate</b> – Washington State University	2012 - 2020
	<ul style="list-style-type: none"><li>• Created/maintained 100+ public-facing Tableau charts which visualize freight statistics</li><li>• 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</li></ul>	
	<b>Instructor</b> – Brigham Young University, Washington State University	2017, 2019
	<ul style="list-style-type: none"><li>• Designed and taught a Senior-level economics class (Industrial Organization)</li><li>• Students consistently rated the class above average: 4.3/5</li></ul>	
	<b>Strategic Forecast Analyst</b> – US Airways	2011 - 2012
	<ul style="list-style-type: none"><li>• Managed over \$150M+ in yearly revenue, increasing revenue 5% YOY</li></ul>	
	<b>Financial Analyst - Intern</b> – BYU Global Financial Advisors	2010
	<ul style="list-style-type: none"><li>• Analyzed Priceline.com (PCLN) and advised senior management on company potential</li><li>• Obtained Bloomberg certifications in Equity and Fixed Income</li></ul>	
	<b>Co-Founder &amp; Chief Engineer</b> – The Garage Men	2008 - 2010
	<ul style="list-style-type: none"><li>• Ran a successful garage floor resurfacing business to help pay for college</li><li>• Steered the company to become debt free in four months</li></ul>	
	<b>Full-time Service Missionary</b> – The Church of Jesus Christ of Latter-day Saints	2005 - 2007
	<ul style="list-style-type: none"><li>• Trained and managed more than 70 volunteers in the St. Petersburg, Russia area</li><li>• Implemented a training course in Russian language, culture, and people skills</li></ul>	
SKILLS	<b>Computer:</b>	R, Stata, Python, Scala, Apache Spark, Matlab, SAS, SQL, C, C++, Tableau, Unix, HTML, CSS, MS Office, L <sup>A</sup> T <sub>E</sub> X
	<b>Machine Learning:</b>	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, deep learning (ANN, CNN, etc.), bag-of-words
	<b>Econometrics:</b>	linear regression (stepwise, ridge, lasso, etc.), time series, panel data methods, logistic regression, ANOVA
	<b>Languages:</b>	English (native), Russian (proficient)