**Maryam Tabatabaei, PhD**

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**SUMMARY:**

Innovative problem solver with experience using advanced econometric and data science techniques in resource management contexts. Practical experience in the energy industry, consulting, and environmental impact valuation research.

**WORK EXPERIENCE:**

**Post Doctoral Researcher** – Colorado State University – Fort Collins, CO Jan 2017 – March 2018

* Used SQL and R for data collection, organization, and classification.
* Modeled regression and machine learning techniques including panel data and pooled regressions.
* Used ArcGIS for geographic and special modeling.

**Adjunct Faculty** – Community College of Aurora – Aurora, CO Aug 2016 – Aug 2017

* Taught Principles of Microeconomics.
* Led econ-labs for both microeconomics and macroeconomics.

**Researcher** – USFS – Washington, D.C. Aug 2016 – Mar 2017

* Used Stata to collect and analyzed large volumes of data from various sources.
* Conducted SUR regression analysis and other advanced regression models to analyze data.

**Project Associate** – Industrial Economics Inc. – Cambridge, MA Sep 2014 – Dec 2014

* Wrote meta-analysis research reports.
* Worked on statistical analysis with Stata for valuation projects including:
  + Deep Water Horizon Oil Spill.
  + Hudson River PCB Contamination.

**Research/Teaching Assistant** – Colorado State University – Fort Collins, CO Aug 2011 – Sep 2014

* Forecast commodity prices using AR, VAR, and VECM models.
* Designed surveys and collected results for performing analysis.
* Conducted machine learning and regression techniques including conditional logit models in Stata.

**Intern, Resource Adequacy** – ISO New England – Holyoke, MA June 2011 – Aug 2011

* Managed large database using VBA in Excel and Access.
* Performed benefit-cost analysis for New-England’s bulk power system.

**EDUCATION:**

**Washington University** – St. Louis, MO.

*Data Science Bootcamp* – January 2020 – July 2020 (in progress)

* Advanced Excel and VBA programming
* Python coding, including data management, analytics and visualization with pandas and matplotlib.
* Coding and machine learning in R.
* Data Visualization in Tableau.

**Colorado State University** – Fort Collins, CO

*Ph.D. in Agricultural and Resource Economics* – September 2014

* Major Field: Agricultural and Natural Resource Economics; Environmental and Ecological Economics.
* Dissertation: *Econometrics of Market and Non-Market Goods*.

**University of Massachusetts** – Amherst, MA

*M.S. in Resource Economics* – May 2010

* Concentration: Mathematical and Quantitative Methods.
* Field Essay: *Hypothetical Bias and Explicit Contracts.*

**University of Isfahan** – Isfahan, Iran

*M.A. in Economics* – April 2007

* Thesis: *Mutual Relationship of Economic Freedom Components in OECD Countries and Simulating a Model for Iran.*

*B.A. in Economics* – July 2003