

Aiman Absar

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Education

Goethe University Frankfurt

Master of Science, Quantitative Economics.

Relevant Coursework: Systemic Risk in Financial Institutions, Monetary and Fiscal Policy, Advanced Econometrics, Machine Learning in Finance.

Thesis: *Determinants of price variations in US capacity markets: An empirical analysis*

Hesse, Germany

October 2021 - Present

Reed College

Bachelor of Arts, Mathematics-Economics Interdisciplinary Degree.

Relevant Coursework: Mathematical Statistics, Probability Theory, Multivariable Calculus, Advanced Macro.

Thesis: *Revealing Anomalies in Behavior of Rational Agents: Applying Game Theory to Behavioral Economics.*

Oregon, United States

August 2015 - May 2019

Experience

Zentrum für Europäische Wirtschaftsforschung

Working Student and Internship

Baden-Württemberg, Germany

October 2022 -current

- Research Groups: Corporate Taxation and Public Finance (2022-2024), Market design (2025-)
- Supported in the analyses of possible inefficiencies in the public procurement process in various EU countries, and the impact of the transition to a cashless economy on tax income.
- Led data scraping and cleaning efforts, and collaborated with co-authors across Europe to analyze and present results, leveraging Python and Stata for webscraping and data analysis.
- Evaluated game-theoretic frameworks that optimise capacity market auction outcomes, with a focus on incentivizing renewables in the power grid.
- Collaborated with Tafel Deutschland to forecast yearly donations, leveraging R and using imperfect data from their inventory website.

McCullough Research

Research Associate

Oregon, United States

May 2019 – June 2020

- Provided support in energy litigation to municipalities, First Nations, law firms, utilities within North America.
- Worked with clients to provide expert opinions on issues of inefficiency and market power in the energy market.
- Had a primary consulting role in analysis for a multi-million dollar lawsuit and shaped trial strategy.

Publication

‘Exactly how inefficient is the PJM capacity market?’

Spring 2020

<https://doi.org/10.1016/j.tej.2020.106819>

- A deep dive into reconciling how Pennsylvania Jersey Maryland’s capacity market simultaneously has rising capacity surplus and rising prices. A combination of market power with a lack of competitors and an undocumented algorithm that allocated capacity resulted in inconceivably high prices for ratepayers.

Skills & Accomplishments

Technical: Python, Stata, R, SQL, Git, MS Excel, data analysis, machine learning, inferential statistics.

Languages: English (Native); Bangla (Native); Hindi (Intermediate), Deutsch (Beginner).

Award: Global Social Entrepreneurship Competition 2014, University of Washington. Won Second Prize of \$10,000.