

Aiman Absar

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Education

Goethe University Frankfurt, GSEFM

Hesse, Germany

Master of Science, Quantitative Economics.

October 2021 - September 2025

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*

Reed College

Oregon, United States

Bachelor of Arts, Mathematics-Economics Interdisciplinary Degree.

August 2015 - May 2019

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

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

Experience

Zentrum für Europäische Wirtschaftsforschung

Baden-Württemberg, Germany

Working Student and Internship

October 2022 - September 2025

- 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 desired capacity market auction outcomes, with a focus on incentivizing renewables in the power grid.
- Collaboration on the Kopernikus project "SynErgie" on electricity market design (for the Federal Ministry of Education and Research, BMBF) and on a food rescue project with Tafel Deutschland (for the Federal Ministry of Food and Agriculture, BMEL) to forecast yearly donations, leveraging R and using imperfect data from their inventory website. Processing of large data sets on food donations at the local level and large central donations.

McCullough Research

Oregon, United States

Research Associate

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 (C2); Bangla (C2); Deutsch (A2).

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