ABDULAZIZ ALDOSERI

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Education

Boğaziçi University | Istanbul, Turkey
M.S. in Industrial Engineering | 10/2024
- GPA: 3.56
- Relevant Coursework: Optimization, Stochastic Processes, Supply Chains & Inventory Management

State University of New York at Binghamton | Binghamton, NY
M.A. in Economics | 12/2011
- GPA: 3.3
- Fulbright Scholarship Award

University of Bahrain | Manama, Bahrain
B.Sc. in Business Information Systems | 06/2008

Experience

DERASAT | Bahrain, Awali
Research Associate | 06/2014 - Present
- Spearheading policy-oriented research on energy economics, focusing on qualitative analysis of oil market trends and policy implications.
- Authored comprehensive reports and presented research findings at regional conferences, contributing to energy policy discussions and decision-making processes.
- Conducted in-depth qualitative research on global energy markets, supporting strategic policy development and providing insights for government and industry stakeholders.
- Managed independent research projects, from conceptualization to publication while ensuring alignment with the center's strategic goals.

Skills

- **Optimization:** Linear Programming, Machine Learning, Dynamic Programming, Data-Driven Decision-Making
- **Decision Analysis:** Real Options Analysis, Risk Assessment, Scenario Modeling, Predictive Modeling
- **Economic Analysis:** Quantitative Modeling, Market Dynamics, Project Valuation, Cash Flow Analysis
- **Technical Skills:** Excel (Advanced Business Analytics), Python, R, Data Analysis, Algorithm Development

Sample Publications

Aldoseri, A. "The Future of LNG Markets." Published in DERASAT Strategic Studies Series, 2019.

Aldoseri, A. "Why Does Russia Cooperate with OPEC+?" Published in DERASAT Strategic Studies Series, 2019.

Aldoseri, A. "Challenges Facing Power Markets." Published in DERASAT Strategic Studies Series, 2018.

Aldoseri, A. "Review of Government Subsidy Policies in the Arab World: Energy Sector." Published in DERASAT Journal, Volume V, 2018.

Aldoseri, A. "Oil Price Balance Determinants: An Analysis of Trends in 2017." Published in DERASAT Journal, Volume IV, 2017.

Gukasian, G., & Aldoseri, A. "The Economics of the Iranian Nuclear Deal: Russian and GCC Perspectives." Published in Russian International Affairs Council (RIAC), 2015.

Thesis

Natural Gas Storage Valuation using Deep Reinforcement Learning - Boğaziçi University
- Demonstrated the viability of Deep Reinforcement Learning for valuing natural gas storage assets, providing an innovative tool for investment decision-making, addressing storage logistics and acquisition strategies.
- Developed a DRL model using the SAC algorithm for natural gas storage valuation, leveraging ANNs for high-dimensional decision-making and real price data for accurate trading.
- Validated the model's performance through formal benchmarking against PPO and TD3, with enhanced reproducibility and decision accuracy.

Invited Talks

"10th Gulf Intelligence UAE Energy Forum 2020" – NYU Abu Dhabi, UAE, January 2020

"44th ICA Conference" – Interarab Cambist Association – Bahrain, October 2019

"Oil & Gas Investment Trends" – Bahrain Economist Society – Bahrain, June 2019

"5th GCC Power Trading Forum 2019" – Gulf Cooperation Council Interconnection Authority – Kuwait, February 2019

Media Appearances

- Recognized energy expert featured in Sky News Arabia, providing insights on global energy developments.
- Delivered expert analyses on energy markets and policy in interviews with leading publications, including Petroleum Review (Energy Institute), Akhbar Al Khaleej, and Industrial Minerals Magazine.
- Published articles in prominent outlets such as Al-Sharq Al-Awsat, Gulf Daily News, and Russian News Agency (Novosti), covering topics like oil market dynamics and renewable energy strategies.
- Authored opinion pieces on critical energy and economic issues, including:
  - "The Federal Reserve's Interest Rate Policy Shift"
  - "Slowing Growth in Oil Consumption"
  - "Oil Companies and Renewable Energy: A New Frontier"