

**Kaffash, Sepideh (Assistant Professor)**

**Refereed Journal Articles**

**Journal Article, Academic Journal**

- Kaffash, S. (2024). Enhancing Group Efficiency in Two-Stage Data Envelopment Analysis: A Novel Common Set of Weights Approach. *INFOR: Information Systems and Operational Research*.
- Kaffash, S. (2024). Navigating Efficiency: Insights from One-Stage and Two-Stage DEA Modelling in the Airline Industry. *Annals of Operations Research*.
- Khezrimotlagh, D., Kaffash, S., Zhu, J. (2022). U.S. Airline Mergers' Performance and Productivity Change. *Journal of Air Transport Management*.
- Kaffash, S., Khezrimotlagh, D. (2022). U.S. network and low-cost carriers' performance in response to COVID-19: Strictness of government policies and passengers' panic. *Research in Transportation Business & Management*.
- Kaffash, S., Nguyen, A. T., Zhu, J. (2021). Big Data Algorithms and Applications in Intelligent Transportation System: A Review and Bibliometric Analysis. *International Journal of Production Economics*.
- Kaffash, S., Azizi, R., Huang, Y., Zhu, J. (2020). A Survey of Data Envelopment Analysis Applications in the Insurance Industry 1993-2018. *European Journal of Operational Research*. [www.journals.elsevier.com/european-journal-of-operational-research](http://www.journals.elsevier.com/european-journal-of-operational-research)
- Kaffash, S., Aktas, E., Tajik, M. (2020). The impact of oil price changes on efficiency of banks: An application in the Middle East oil exporting countries using SORM-DEA. *RAIRO-Operational Research*. <https://www.rairo-ro.org/component/article?access=doi&doi=10.1051/ro/2019009>
- Kaffash, S., Kazemi Matin, R., Tajik, M. (2017). A Directional Semi-Oriented Radial DEA measure: An Application on Financial Stability and the Efficiency of Banks. *Annals of Operations Research*. <https://link.springer.com/article/10.1007/s10479-017-2719-5>
- Kaffash, S., Marra, M. (2016). Data envelopment analysis in financial services: a citations network analysis of banks, insurance companies and money market funds. *Annals of Operations Research*, 253(1), 307-344.
- Tajik, M., Aliakbari, S., Kaffash, S. (2015). House prices and credit risk: Evidence from the United States. *Economic Modelling*, 51, 123-135.

**Book Chapters**

**Book, Chapter in Scholarly Book-New**

- Kaffash, S. (2017). Data Envelopment Analysis Development in Banking Sector. *Handbook of Research on Emergent Applications of Optimization Algorithms* (pp. 462-484). IGI Global. [www.igi-global.com/chapter/data-envelopment-analysis-development-in-banking-sector/190172](http://www.igi-global.com/chapter/data-envelopment-analysis-development-in-banking-sector/190172)

**Non-Refereed Journal Articles**

**Journal Article, Academic Journal**

Kaffash, S., Chomachaei, F., Aktas, E. (2024). Environmental sustainability performance of US airlines: implications of financial performance and technical efficiency. *Journal of the Operational Research Society*, 1-21. <https://doi.org/10.1080/01605682.2024.2429567>

### **Conference Proceedings**

#### **Conference Proceeding**

Kaffash, S. (2016). *Information Literacy Skills of Students from a UK Business School*. [www.21caf.org/uploads/1/3/5/2/13527682/35\\_kaffash.pdf](http://www.21caf.org/uploads/1/3/5/2/13527682/35_kaffash.pdf)

### **Presentations**

Kaffash, Sepideh, DEA 2024 Conference, "Environmental Sustainability Performance of US Airlines: Implications of Financial Performance and Technical Efficiency." (November 20, 2024).

Kaffash, Sepideh (Author Only), POMS 2024, "Financial Performance and Environmental Sustainability Performance: An Empirical Study in the U.S. Airline Industry," Minneapolis. (April 27, 2024).

Kaffash, Sepideh, DSI Annual Meetings, 2023, "Financial Performance and Environmental Sustainability Performance: An Empirical Study in the U.S. Airline Industry," Decision Science Institute, Atlanta. (November 19, 2023).

Kaffash, Sepideh, Discussion on Sustainability and ESG, "Discussion on Sustainability and ESG," WPI Business School, Worcester Polytechnic Institute. (October 30, 2023).

Kaffash, Sepideh, International DEA45, 2023, "Multivariate returns to scale: An Application to U.S. Airlines," International Conference on Data Envelopment Analysis, London. (September 4, 2023).

Kaffash, Sepideh, PhD. Lunchtime Seminar, "Big data algorithms and applications in intelligent transportation system: A review and bibliometric analysis," Cranfield University, UK, UK. (July 6, 2023).

Kaffash, Sepideh, INFORMS Annual Meeting 2022, "The Performance and Productivity Change of US Airline Mergers." (October 2022).

Kaffash, Sepideh, INFORMS Annual Meeting 2021, "U.S. network and low-cost carriers' performance in response to Covid: strictness of government policies and passenger's panic." (October 2021).

Kaffash, Sepideh, INFORMS Annual Meetings 2020, "The performance of U.S. Airlines pre- and post-merger," Virtual. (November 2020).

Kaffash, Sepideh, INFORMS Annual Meeting 2019, "Service Quality And Efficiency In The Us. Airline Industry." (October 22, 2019).

Kaffash, Sepideh, Haung, Ken, Advances in Decision Analysis, "Massachusetts Higher Education Institutes Efficiency and Students Funding." (June 2019).

Kaffash, Sepideh, 2018 INFORMS Business Analytics Conference., "Estimating Home Delivery Orders in Grocery Sector." (April 2018).

Kaffash, Sepideh, Invited Talk, "Data Envelopment Analysis in Financial Service," Worcester Polytechnic Institute. (2016).

Kaffash, Sepideh, 11th international Conference on Data Envelopment Analysis, "Effect of Oil Price Shocks on Banks' Performance." (2012).

Kaffash, Sepideh, Brunel Business School. Doctoral Symposium, "Bank Performance and Oil price changes in Middle East." (2012).

Kaffash, Sepideh, Brunel Business School. Doctoral Symposium, "Performance, Capital Structure and Foreign Ownership Structure: A study of UK Multinationals in BRICs." (2011).