



DU Juan

Associate Professor

Position:

Department: Management Science and Engineering

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EDUCATION BACKGROUND

- 2006-2011, Ph.D. in Management Science and Engineering, University of Science and Technology of China
- 2002-2006, Bachelor in Mathematics & Mathematical Applications, Anhui University

RESEARCH FIELD

- Performance evaluation
- Decision analysis and optimization
- Multi-criteria decision modeling

TEACHING INTERESTS

- Statistics
- Operations Research

WORK EXPERIENCE

Teaching Positions

- 2015-Now Associate Professor, School of Economics and Management, Tongji University
- 2013-2014 Lecturer, School of Economics and Management, Tongji University

Research Positions

- 2011-2013 Postdoctoral, School of Economics and Management, Tongji University

International Experience

- Aug.,2009-Dec.2010 Joint Ph.D. in Robert A. Foisie School of Business, Worcester Polytechnic Institute, Worcester, MA, USA, Supported by China Scholarship Council
- Jun.,2014-Jul.,2014 Invite Dr. Joe Zhu for academic exchanges, who is an expert in operations research and Professor in Robert A. Foisie School of Business, Worcester Polytechnic Institute.

LANGUAGES

- Chinese (mother tongue)

- English (excellent)

RESEARCH

Sponsored Research Projects

- “Production planning and resource allocation within a multi-divisional organization”, National Natural Science Fund Project, 2015-2018.
- “Performance measurement on operation units with applications in service industry”, National Natural Science Fund Project, 2012-2014.
- “Resource allocation and production planning in large institutions”, Shanghai Municipal Education Commission and Shanghai Education Development Foundation, 2015-2017.
- “Performance measurement and fixed cost allocation for decision making units in service industry”, China Postdoctoral Science Foundation, 2011-2013.

Selected Publications

Papers

- **Juan DU (Corresponding)**, Wade D. COOK, Liang LIANG, Joe ZHU. Fixed cost and resource allocation based on DEA cross-efficiency. *European Journal of Operational Research*, 2014, 235(1): 206-214.
- **Juan DU**, Justin WANG, Yao CHEN, Shin-Yi CHOU, Joe ZHU. Incorporating health outcomes in Pennsylvania hospital efficiency: An additive super-efficiency DEA approach. *Annals of Operations Research*, 2014, 221(1): 161-172
- **Juan DU (Corresponding)**, Jiazhen HUO, Liang LIANG. Slacks-based ranking method in data envelopment analysis. *Systems Engineering*, 2014, 32(4): 96-104.
- **Juan DU (Corresponding)**, Jiazhen HUO. DEA-based evaluation on city innovation in China. *Chinese Journal of Management Science*, 2014, 22(6): 85-93.
- Yao CHEN, **Juan DU (Corresponding)**, Jiazhen HUO. Super-efficiency based on a modified directional distance function. *OMEGA-The International Journal of Management Science*, 2013, 41: 621-625.
- **Juan DU**, Chien-Ming CHEN, Yao CHEN, Wade D. COOK, Joe ZHU. Additive super-efficiency in integer-valued data envelopment analysis. *European Journal of Operational Research*, 2012, 218(1): 186-192.
- **Juan DU (Corresponding)**, Liang LIANG. Centralized production planning based on data envelopment analysis. *Asia Pacific Management Review*, 2012, 17(2): 211-232.
- **Juan DU**, Liang LIANG, Yao CHEN, Wade D. COOK, Joe ZHU. A bargaining game model for measuring performance of two-stage network structures. *European Journal of Operational Research*, 2011, 210(2): 390-397.
- **Juan DU (Corresponding)**, Liang LIANG, Yao CHEN, Gongbing BI. DEA-based production

- planning. *OMEGA-The International Journal of Management Science*, 2010, 38: 105-112.
- **Juan DU**, Liang LIANG, Joe ZHU. A slacks-based measure of super-efficiency in data envelopment analysis: A comment. *European Journal of Operational Research*, 2010, 204: 694-697.
 - **Juan DU (Corresponding)**, Liang LIANG, Feng YANG, Gongbing BI, Xiaobo YU. A new DEA-based method for fully ranking all decision making units. *Expert Systems-The Journal of Knowledge Engineering*, 2010, 27(5): 363-373.
 - Chien-Ming CHEN, **Juan DU**, Jiazhen HUO, Joe ZHU. Undesirable factors in integer-valued DEA: Evaluating the operational efficiencies of city bus systems considering safety records. *Decision Support Systems*, 2012, 54(1): 330-335.
 - Yao CHEN, **Juan DU**, H. David SHERMAN, Joe ZHU. DEA model with shared resources and efficiency decomposition. *European Journal of Operational Research*, 2010, 207: 339-349.
 - Yao CHEN, Soussan DJAMASBI, **Juan DU**, Sungmook LIM. Integer-valued DEA super-efficiency based on directional distance function with an application of evaluating mood and its impact on performance. *International Journal of Production Economics*, 2013, 146(2): 550-556.