Data-driven Research in Maritime Transportation: A Few Pitfalls

by

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Online Session in Blackboard*: Research Seminar by Dr Shuaian (Hans) WANG

*This online session is open to students who registered LGT6111/6112/6113/6114 Research Seminars in Logistics I/II/III/IV only.
If other PolyU staff and students are interested to attend the captioned seminar, please email to anne-ly.wong@polyu.edu.hk for registration by 16 April 2020.

(Conducted in English)

Abstract:
Machine learning has been applied in a wide spectrum of disciplines in recent years due to the advancement in computer hardware and increased availability of data. Shipping, as an industry with a history of 5000 years, is rich in data. For example, captains have started to keep logs ever since the Age of Discovery in the 15th-17th century. It is vital for the shipping industry to leverage data under the dual pressure of over-capacity and environmental regulations. In this seminar, we will present a few pitfalls that are common in data-driven maritime research. The aim is to equip maritime researchers with rigorous machine learning tools.

Bio:
Dr. Shuaian (Hans) Wang is currently an Associate Professor at the Hong Kong Polytechnic University (PolyU). Prior to joining PolyU, he worked as an Assistant Professor of Maritime and Supply Chain Management at Old Dominion University, USA, and a Lecturer of Operations Research at the University of Wollongong, Australia. Dr. Wang’s research interests include shipping network design, port operations planning, urban transport network modeling, sustainable transportation and green logistics, and supply chain management.

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All PolyU staff and students are welcome!