Learning space performance insights through advanced data analytics

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Abstract:
The University of Melbourne successfully implemented a process that utilises all available data sources, ranging from core space and timetable data to research and time series data for infrastructure analytics and planning.

This process allows to calculate detailed insights into space utilisation, lecture theatre attendance rates and other infrastructure related metrics.

Even though the process provides very powerful space performance analytics the University has have been able to push the analytics beyond these basic calculations.

Through smart analytics it is possible to provide insights into student cohort fragmentation and general campus experience.

We will present examples covering campus visitation, open day management, student experience and others and discuss the principal approach to smart campus analytics. These type of analytics will in the future drive every aspect of campus management and planning and provide a better campus experience for staff and students.

Bio:
Dr Jan Dethlefs has worked for 12 years at the University of Melbourne. He developed in 2016 the Campus Analytics Project. The methodologies developed during this project are used now on a wider base to provide insights into utilisation, visitation and general campus experience. Since 2017 Dr Jan Dethlefs is heading the Campus Analytics team as Data Scientist and Business Translator.