

URB-02 **Statistical hydrology**

Objective:	The participants will achieve an overview of tools for statistical analysis of hydrological time series, and an impression of their applications and limitations, together with some hands-on experience
Contents:	<ul style="list-style-type: none">• Hydrological data and their origin; data quality in terms of accuracy, resolution, validity, and transparency (documentation); time and length scales; time series; distribution models• Correlations; gap filling; trends and time evolutions; identification of discrete events; extreme value analysis• Extrapolations, generalizations in time and space; empirical data and cause-effect relations; predictions; data summaries; communication of findings and assumptions made• Synthetic data: Examples, generation techniques, applications
Who should attend:	Engineers and others from the public and private sector with prior basic knowledge about statistics and/or hydrology
Courseware:	Selected slides and background documents as handouts and/or electronic files
Certification:	Attendance certificate (subject to 80 percent attendance)
Duration:	4 lessons (2 hours each) plus some homework
Costs:	\$ 500 per participant (inclusive of GST) <i>A discount of 20 percent applies to 3 or more participants from the same organization in the same course</i>
Enquiries and registration:	Ms Theresa Tan, DHI Water & Environment, tel. 6777 6330, e-mail: info@dhi-ntu.com.sg