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Automated dataset generator

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Many IT organizations today spend more than 40% of the project's budget on software testing (Capgemini, 2015; Tata, 2015). One way of making the testing process easier is to automatically generate synthetic data that would be similar to the data inputted in the real environment. The benefits offered by an automated process are invaluable since real datasets can be hard to obtain due to data sensitivity and confidentiality issues. Automated Dataset Generator (ADaGe) enables the end-user to define and tweak a dataset definition through an interface in a way that satisfies the system's requirements. Our tool enables the automatic generation of small to large amount of synthesized data that can be outputted to a file or streamed to a real-time processing system.

Biography

Joseph Bonello is an Assistant Lecturer at University of Malta. He has worked on various EU related projects. He worked on various IT projects for the Department of Customs. He has managed the development of the IRRIS project for a local member of the consortium. He has experience in developing commercial applications including work for local banking firms and government. He completed his BSc (Hons) in IT in 2002 at University of Malta and Master's degree at University of Malta on Automated Detection and Optimization of NP-Hard Scheduling Problems in Manufacturing.

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