Introducing Zen : the zero-effort network library for Python

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This talk will introduce a new python library for network analysis and algorithmics. As datasets increase in size and algorithms demand increasing amounts of resources, it is critically important for network libraries to be efficient and performant. Few libraries available for Python (or any other platform for that matter) deliver this kind of efficiency : few can load massive network datasets or execute intensive algorithms on them. Of those that can, efficiency comes at a cost to ease of use. We don't believe that this compromise is necessary. Designed from scratch, the Zen library aims to provide the fastest, most memory efficient network routines without compromising good pythonic conventions. To date it's benchmarked network functions match or beat the fastest network libraries available in Python. In this talk, we will give a brief introduction to network analysis, discuss the design elements of Zen that make it both fast and easy-to-use, briefly overview its functionality, and discuss opportunities for integration and use with Sage.

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