Real-time processing and analysis of data streams

John Emerson, Michael Kane, and Bryan Lewis

This talk will propose a general framework for the processing and analysis of real-time data streams. It uses multiple R processes, shared memory, and signalling via the packages of the Bigmemory Project (http://www.bigmemory.org) and esperr (an R package in development for using Esper, which is a JAVA-based complex event manager). Examples include stock tick data and video processing.