Real-time streaming analytics with learning models for IOT and multi-phase analytics

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IOT is changing the needs and location of analytics including real-time streaming edge analytics, cloud/premise cross-device streaming analytics, and traditional at-rest analytics. Combining these analytical approaches gives us a value proposition for multi-phase analytics with a modeling feedback loop. Analytics’ migration from traditional persisted data to streaming data includes learning models, AI, neural-nets, data quality, and transformations. SAS is leveraging multi-phase learning analytics for solutions such as railroad fleet management, in-vehicle smart services, asset identification & analysis for sports and security, and in-vehicle safety & services. There are interesting research opportunities around the analytics (or math) of fast moving and changing event stream data.

Jerry Baulier is Vice President - Internet of Things Research & Development at SAS. He is an award-winning leader in software products development with an expertise in real-time information systems, specialized databases, event stream processing, tools and enabling platforms. He joined SAS in 2010 from Aleri, where he served as Chief Technology Officer developing Complex Event Processing, now owned by SAP. Prior to this, he was a director at Lucent Technologies, including more than a decade in the Information Sciences Research Center at Bell Labs. He earned a BS in Computer Science from the University of Massachusetts Dartmouth and a Masters in Computer Science from the Stevens Institute of Technology. He currently is an inventor of 11 patents on event stream processing, also known as complex event processing.