Fusion and Inference from Multiple and Massive Disparate Data Sets: Anomaly Detection in Time Series of Attributed Graphs

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Fusion and Inference from Multiple and Massive Disparate Data Sources

\[
f: \mathbb{E} \rightarrow M = \{ (V_i, x_i, t_i) \}
\]

\[
g: M \rightarrow \{ G_t(M) \}
\]

\(f\) extracts “events” \((V_i, x_i, t_i)\) -- who does what when
\(g\) produces time series of attributed graphs \(\{ G_t(M) \}\)

Anomaly Detection in Time Series of Attributed Graphs
Connecting the Dots

Statistical Inference, Model Selection, and the Bias-Variance tradeoff
Leopold Kronecker to Hermann von Helmholtz:

“The wealth of your practical experience with sane and interesting problems will give to mathematics a new direction and a new impetus.”

Leopold Kronecker  Hermann von Helmholtz