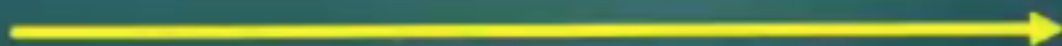# Fast Data Poses Analytics Problems

- Sample size unknown
- Non-stationarity
- Algorithmic space and time complexity

Interactive	Real-time Analytics	Record Access	GIS Analysis	Exploratory Analytics
Milliseconds	Hundredths of seconds	Seconds	Minutes	Hours
Exceedance	• Aggregate • Sum	Retrieve attribute	Buffer	• GWR • Optimization

Focus on Right Side: Problematic

→ **Computational Complexity**