

Time Series

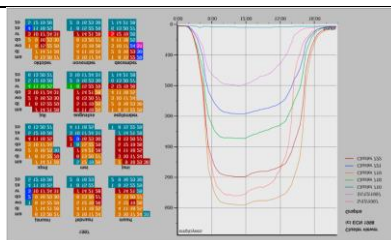
1. Matching Visualization to Task

Idea courtesy of Professor Tamara Munzner, University of British Columbia

Five Time-Series Scenarios

- **A:** every 5 min, duration 1 year, 1 thing: building occupancy rates
- **B:** every 5 min, 1 year, 2 things: currency values (exchange rate)
- **C:** several years and several things: 5 years, 10 currencies
- **D:** 1 year, many things: CPU load across 1000 machines
- **E:** 1 year, several parameters, many things:
10 params on each of 1000 machines

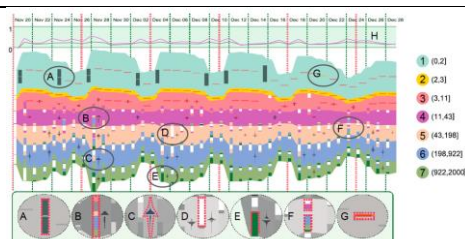
Match each scenario above to the most appropriate of the visualization techniques we saw today:



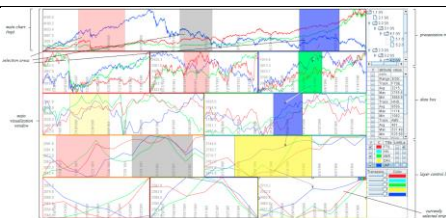
Cluster-Calendar **A**



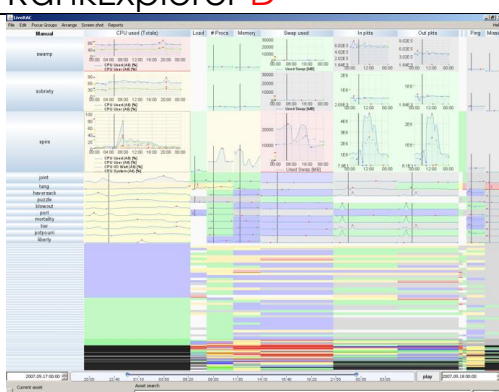
ChronoLenses **C**



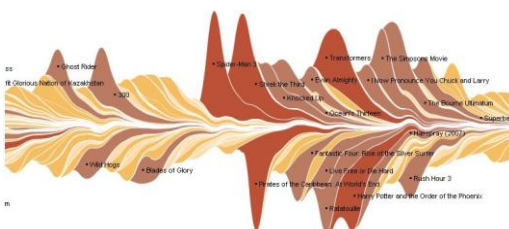
RankExplorer **D**



Stack Zooming **B**

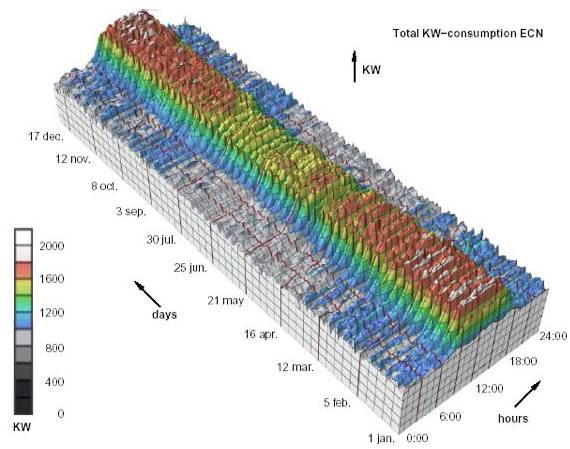


LiveRAC **E**



ThemeRiver

2. Visualization Critique



In what way(s) would the extruded curve visualization shown here **not** be a good choice for the data from scenario A

Hard to find similar days due occlusion by peak days