MDRP: Financial Visual Analytics

- **Personnel:** Yang, Ribarsky, MacEachren, Hardisty, Turton, Mitra, Robinson
- **External Partners:** DHS CCI, START Center, ICE, Treasury, FBI, National Insurance Crime Bureau, NVAC, Bank of America
- **Goal** – Explore, discover insights from and understand very large, dynamic collections of financial transactions
- **Approach:**
  - Build upon existing hierarchical financial analysis tools
  - Develop methods based on expert strategies extended to comprehensive collections of streaming transactional data.
Outcomes:

• Connect terrorism and extremism with patterns of financial transactions
• Analyze for and discover fraud and money laundering
• Be able to explore at scale with many millions of transactions over extended periods of time
• Incorporate expert strategies and use expert evaluations for validation and improvement
• Develop tools for efficiently training new analysts in expert strategies
• Develop capabilities to attack very large financial databases that are difficult to illuminate with traditional query-based methods