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Title: The Application of Visual Analytics to Financial Stability Monitoring

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Highlights

- Paper provides a definition of visual analytics as the science of analytical reasoning enhanced by interactive visualizations tightly coupled with data analytics software.
- Paper discusses the key differences between visual analytics and traditional visualization.
- Paper argues that the core strength of visual analytics is to combine visualization's high-bandwidth information channel to the human analyst with the flexibility and power of rapid-iteration analytics.
- Paper describes and categorizes the analytical challenges faced by macroprudential supervisors, and indicates where and how visual analytics can increase supervisors' comprehension of the data stream to support informed decision- and policy-making.
- Paper provides illustrative examples of financial network visualizations based on macroprudential data sources available to the Office of Financial Research and others.
- Paper concludes with suggestions for a research agenda on the application of visual analytics to systemic financial stability monitoring.

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