



The GlobalNet Project: Forecasting Human Society Through Petascale News Analysis

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The GlobalNet Project

- Based at the University of Illinois, leverages the national unclassified academic supercomputing network to model global unrest
- Take all available unclassified data (OSINT): news (and ultimately books, magazines, twitter, blogs, youtube, stock data, etc), and builds a massive "earth simulation"
- Knowledge network capturing the entire planet: 10 billion actors and 100 trillion relationships 1979-present





Passively crowdsourcing unrest

- GlobalNet "passively crowdsources" the global "mood" about each country/actor in realtime.
- Two identical attacks might have very different impacts (isolated factual reports vs widespread condemnation)
- Measure the "latent" unrest and represent as a geographic network structure





Visualize geographically

Overlay onto Google Earth for interactive analysis











Realtime country instability risk

 Visualize global "mood" about each country in realtime, offers significant insights into potential instability risk.



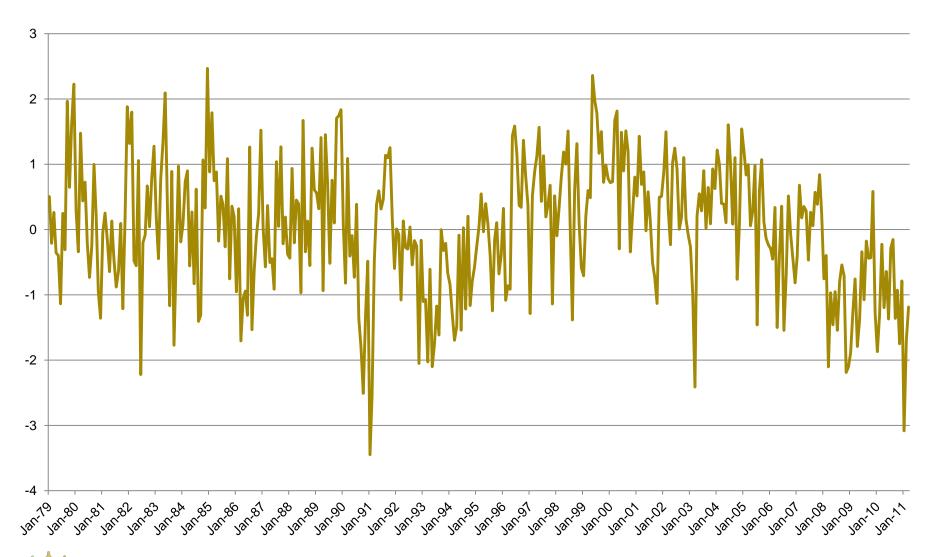








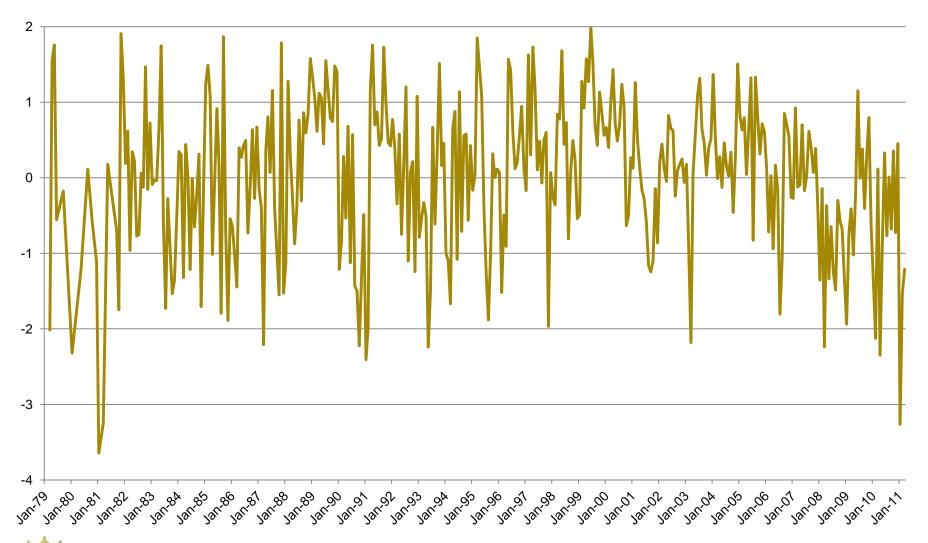
Country stability: Egypt







Leader stability: Mubarak



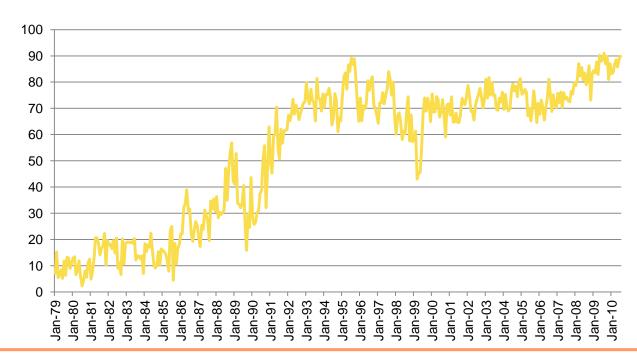




Contextualization of unrest

- Ethnically-driven (Serbia)
- Democracy / individual freedoms (Egypt)
- Degree of state involvement (police / military)

Serbia Ethnic Intensity:









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