# PHY525 Project Proposal

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## What are we doing?

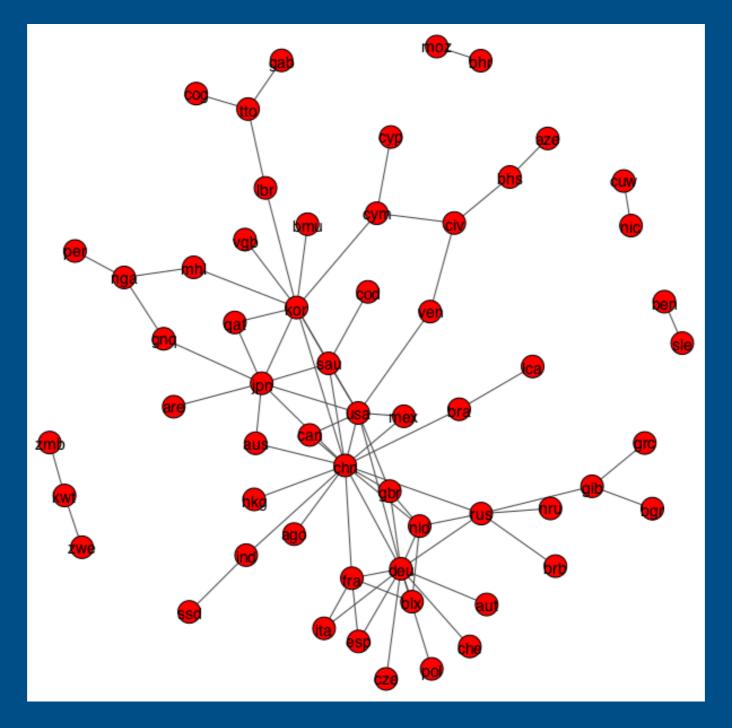
#### Trade Network

 Trade Network generated from time-series data on import/export among all countries obtained from databases

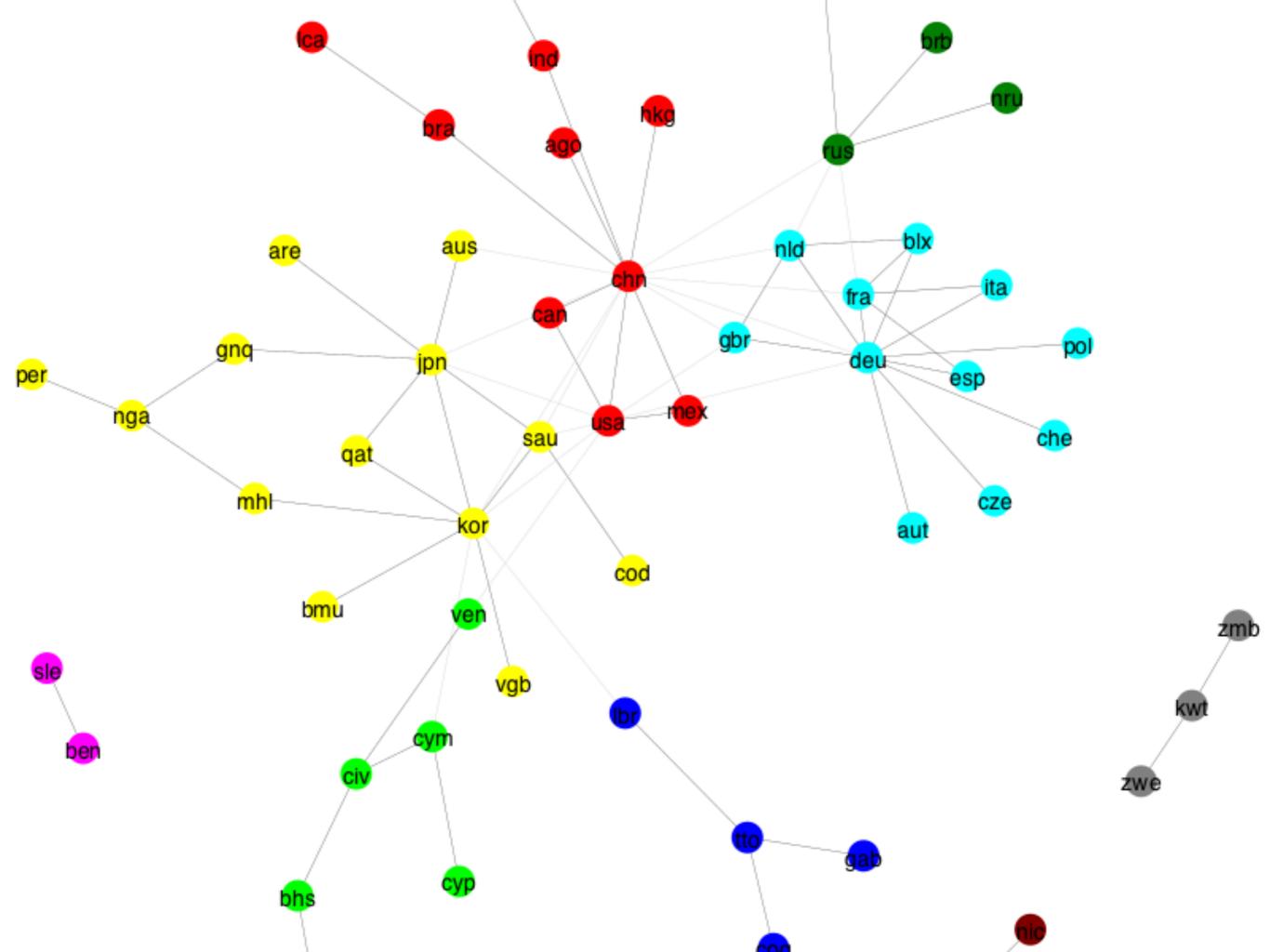
	year	origin	dest	hs07	export_val	import_val
0	2008	ago	civ	902	0.00	3053887.0
1	2008	ago	civ	1511	0.00	31017.0
2	2008	ago	civ	1704	0.00	56428.0
3	2008	ago	civ	2710	932121.72	0.0
4	2008	ago	civ	2711	492622.69	0.0



## Network (Sample)



### Why are we doing it?



#### Plans to do it

- Techniques learned from class
- Weighted Centrality Measures (net import/export, etc...)
- Correlations and Patterns
  - Correlations among countries given the trading scales
  - Community structures based on different trade agreements (APEC, EU, NAFTA, etc...)

## Multiplex Extension Individual goods (meat, etc...)

- - Comparison w/ transportation network
- Potential connection with Financial Network
- Correlation between nodes in separate "flat" networks

(Trade and