# Major Power Competition and Troop Placement in Minor Powers

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Prepared for the 2017 PSSI Conference



- Extensive literature on power projection of major powers
- Key tool of major power influence is troop deployments abroad
  - Very little research on the determinants of where major powers place their troops abroad.

### Research Question

- What determines foreign troop placement by major powers?
  - Do they look to further develop their own sphere of influence?
  - Do they react to actions and characteristics of rival major powers?

### Kennan and Containment

- George Kennan, Director of Policy Planning (State Department)
- "Sources of Soviet Conduct," Foreign Affairs
  - "main element of any United States policy toward the Soviet Union must be that of a long-term, patient but firm and vigilant containment of Russian expansive tendencies (861)."
  - The proposed policy was the "adroit and vigilant application of counter-force at a series of constantly shifting geographical and political points, corresponding to the shifts and maneuvers of Soviet policy (862)."

## Spheres of Influence

- Major powers might seek to develop ideologically coherent spheres of influence.
  - They may be likely to cluster deployments in ideologically similar states, within regions.
  - increases credibility of major power commitment

Hypothesis 1: Major powers are more likely to deploy troops to a protégé if they have deployed troops to other ideologically similar states within the region.

## Competing for Influence

- Major powers are strategic actors
- Might place troops in reaction to rival major power deployments
- Offset rival sphere of influence
  - U.S.-Australia Deployment 2012
    - reaction to China in South China Sea

Hypothesis 2: Major powers are more likely to deploy troops to a protégé if a rival major power has recently deployed troops to its protégés in that region.

# Matching Strategies

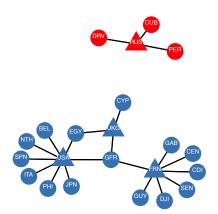
- Also possible that major powers match strategies
- Locate troops in more distant locations when adversary locates in more distant locations
  - 1961 U.S. Jupiter missiles in Turkey
  - Soviet troops and missiles in Cuba

Hypothesis 3: Major powers are more likely to deploy troops to more geographically distant minor powers as rival major powers deploy troops to more distant minor powers.

#### Research Design: Model

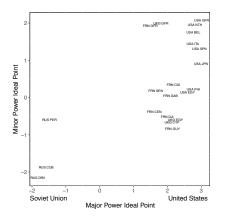
- Model: Local Structure Graph Model
  - A network of edges (or dyads)
  - Edge forms when a major power deploys troops to a minor power
  - The estimator treats the formation of a specific edge as a function of the formation of other edges within a neighborhood.
  - Define neighborhoods in the network in terms ideological distance and geographic region

## Network of Nodes



#### Network of Edges

Figure 3: Ideological Distance among Troop Deployments, 1985



### Research Design: Dependent Variable

- Unit of analysis: dyad-year between a major and minor power
- Sample: All major-minor power pairs between 1981 and 2007.
  - we code permanent U.N. Security Council members as major powers
- Dependent Variable: The realization of an edge
  - the initial deployment or increases in deployments
  - operationalized using data from Brathwaite (2015)

#### Table 1: Total Troop Placements Abroad in Country-Years, 1981-2007.

U.S.	600
U.S.S.R.	361
France	223
U.K.	202
Italy	76
East Germany	68
Netherlands	66
Singapore	62
Australia	62
Cuba	61

## Research Design: Independent Variables

- Ideology by Region Spatial Lag (hypothesis 1)
  - the ideological proximity between edges within a geographic region
    - Euclidian distance between a pair of nodes
    - larger values indicate greater ideological dissimilarity between edges
    - ideology identified by U.N. Voting (Bailey, Strezhnev, and Voeten 2005)
  - negative coefficient: likehood of deployment increases when there are other ideologically similar deployments in a minor power's region

## Research Design: Independent Variables

- Temporal Lag (hypothesis 2)
  - a temporal lag of spatial measure
  - test whether troop deployments increase in response to number of deployments in previous year
  - positive coefficient: likelihood of troop deployments increases in response to deployments on opposite side of ideological spectrum

## Research Design: Independent Variables

- Rival Geographic Distance Spatial Lag (hypothesis 3)
  - major power response to geographic location of deployments by rival
  - larger values indicate greater geographic distance between edges
  - positive coefficient: Likelihood of troop deployments (edges) increases when rival major power deploys troops in more distant locations

#### Results

	β	SE	β	SE
Ideology by Region Spatial Lag	-6.557	3.389		
Rival Geographical Distance Spatial Lag			7.329	1.888
Temporal Lag	8.331	0.344	0.011	0.245
Economic Growth	-0.243	0.495	-0.034	0.279
Rival Major Power Changes in Power	0.015	0.020	-0.198	0.036
Minor Power Capabilities	0.226	0.112	-0.289	0.153
Minor Power in International War	0.455	0.145	-0.246	0.104
Alliance	1.649	0.170	0.181	0.357
Trade	0.275	0.063	-0.039	0.384
Constant	-4.783	0.074	-2.094	0.820
Log-likelihood	-1524.648		-3814.336	
Observations	18119		18119	

Table 3: LSGM Estimates of Troop Deployments, 1981-2007.

*Notes:* 166 minor powers, 830 unique edges. Standard errors estimated from 100 bootstraps drawn from a Metropolis-Hasting algorithm after 50 burnin simulations and thinning every 5 iterations.

# Conclusion

- States use deployments to build ideologically coherent spheres of influence.
- Major powers respond to previous rival deployments in a region by consolidating sphere of influence with additional troop deployments.
- States match rivals in terms of geographic distance of force projection.
- Major powers engage in competition, but follow norms of prudence in their interactions.
- Future work:
  - Russia and US?
  - China and US?
  - Minor power choices