Objective: Develop capability to forecast group behavior within a nation-state and integrate into NOEM to forecast national behavior

- Three-year AF S&T Program (FY08-FY11)
- Research Collaborations
  - AFRL/RH (Human Effectiveness Directorate)
  - AFRL/RI (Information Directorate)
  - University of Alabama

Benefits to the Decision Maker/Warfighter:

- Provide understanding of the dynamics of regional behavior within a nation-state through sound analysis.
- Forecast implications of implementing various decision policies and courses of action on the behavior of a nation’s population
- Supports nation model NOEM in prediction of stability operations within a country and insinuation of effects on 5 pillars of stability

Technology Challenges:

- To develop a model that is capable of capturing the between-group affinity and its changes over time as a function of changes in one or more environmental variables.
- Development and implementation of survey instruments in efforts to (empirically) populate proposed behavior model.
- Integration into nation simulation model NOEM
Example: Gen Pop Vs. Gov

With two factors each at two levels, the possible events are:

- A: Population demands NOT met and unemployment rate HIGH
- B: Population demands NOT met and unemployment rate LOW
- C: Population demands met and unemployment rate HIGH
- D: Population demands met and unemployment rate LOW

$p = 0.85$ and $q = 0.50$

Internal sense states of Gen Pop towards Government. AH: Actively hostile; PH: Passively hostile; N: Neutral; PF: Passively Friendly; AF: Actively friendly.