Naval Information Warfare Center PACIFIC

PEACEGAMING: Controlling adversarial attitude change through weapons of caring

Importance: Opposition Attitude Impacts Blue Mission

Context

Japan's Reconstruction-

After the end of War World II, Japan was left in a devastating state. The United States went from being an enemy to an ally during their reconstruction period. In the span of 2 years the US helped Japan become a pro-Western democracy. Beginning with resolving a famine, then a new constitution, with a constitutional monarchy, along with the disarming of its military. Which resulted in a technology advanced society.

War on Terror-

Sep. 11th , 2001 was an infamous day in the United States history . The attacks on the U.S by terrorist group marked the beginning of the U.S war against terrorism. The War on Terror resulted in many deaths, mainly in the Middle East with most being innocent civilians, vast numbers of citizens being displaced from their homes, and even new recruits to continue the fighting and terrorist acts whether aboard or domestically

China v. United States-

China's rapid power growth is currently upsetting the power order; with the United States being the most superior country in the world. China's growth poses a threat to the order of the world. From expanding their territory in the South China Sea to reviving the silk road.

Variables

P = power/influence
D = aid
R = forced cultural shift
S = adopted cultural shift
E = economy
T = social media exposure
Q = religion/ideology
D = attitude towards democratic values
A = red attitude toward blue

H = humility v. pride
I = individualism v. common
O = responsibility to family/ other
F = fear of enemy/ fear of own side (judgement & punishment)
I = information v. propaganda
G = level of organization
W = weapon power
N = size of supporters/ opponents
T = freedom of thought

SIMPLE MODEL

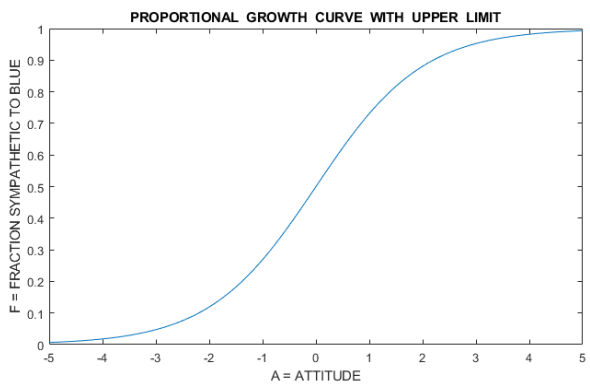
$$A = D - E - P$$

MORE COMPLEX MODEL

$$A = -H + I + O - F + I - G - W + N + T$$

Fraction of Red Sympathetic to Blue

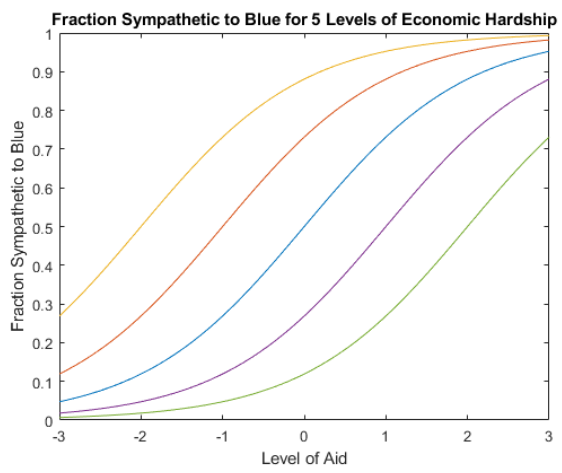
$$F = 1/(1 + \exp[-A])$$



Equation exhibits:
(1) proportional growth,
(2) critical mass in mid-level,
(3) diminishing returns.

$$A = D - E$$

Attitude Aid Econ Conditions



Fraction sympathetic to blue for 5 levels of economic hardship.