A model of nuclear war

Soumadeep Ghosh

Kolkata, India

Abstract In this paper, I describe a model of nuclear war based on the Y and Z scores of the states. The paper ends with "The End"

Introduction

In a previous paper, I have described the calculation of a Y score to measure militaric outcomes. In this paper, I describe a model of nuclear war based on the Y and Z scores of the states.

Nuclear war

Nuclear war is defined as a short fight between small groups of soldiers using nuclear weapons.

The model

The model of nuclear war is given by the following equations:

$$n_A = p_A|Z_A - Y_A|$$

$$n_B = p_B|Z_B - Y_B|$$

$$\frac{D_A}{D_B} = \frac{p_A}{p_B}$$

where

n_A is the number of nuclear weapons of state A

n_B is the number of nuclear weapons of state B

Z_A is the Z score of state A assigned by state B

Z_B is the Z score of state B assigned by state A

Y_A is the Y score of state A assigned by state A

Y_B is the Y score of state B assigned by state B

p_A is the co-efficient of **nuclear production** of state A

p_B is the co-efficient of **nuclear production** of state B

D_A is the number of militaric deaths of state A

D_B is the number of militaric deaths of state B

The End