

The Strategic Nuclear Forces Dataset: Codebook (Ver. 1.0)

Kyungwon Suh

May 1, 2022

This codebook describes the variables in the strategic nuclear forces dataset, which are contained in the non-directed year dataset file (snforce1_ndy). The dataset consists of a total of 860 non-directed nuclear dyad observations.

Name: ccode1

This indicates state A's the Correlates of War (COW) Project country codes.

Name: ccode2

This indicates state B's the COW Project country codes.

Name: year

This indicates four-digit year of observation.

Name: int_capdis

This indicates the inter-capital distance of state A and B (unit: miles). The data are from EUGene ver 3.204.¹

¹ Scott D. Bennett and Alan Stam, "EUGene: A Conceptual Manual," *International Interactions* 26, no. 2 (2000): 179-204.

Name: int_capdis(km)

This indicates the inter-capital distance of state A and B (unit: km).

Name: land1

This indicates the total number of state A's deployed land-based strategic nuclear delivery platforms whose range of operation is greater than the A-B inter-capital distance in a given year.

Name: sea1

This indicates the total number of state A's deployed sea-based strategic nuclear delivery platforms whose range of operation is greater than the A-B inter-capital distance in a given year.

Name: air1

This indicates the total number of state A's deployed air-based strategic nuclear delivery platforms whose range of operation is greater than the A-B inter-capital distance in a given year.

Name: total1

This indicates the total number of state A's all strategic nuclear delivery platforms whose range of operation is greater than the A-B inter-capital distance in a given year.

Name: dnukel1

This indicates the total number of nuclear warheads that can be delivered to state B by state A's deployed land-based strategic nuclear delivery platforms whose range of operation is greater than the A-B inter-capital distance in a given year.

Name: dnukes1

This indicates the total number of nuclear warheads that can be delivered to state B by state A's deployed sea-based strategic nuclear delivery platforms whose range of operation is greater than the A-B inter-capital distance in a given year.

Name: dnukea1

This indicates the total number of nuclear warheads that can be delivered to state B by state A's deployed air-based strategic nuclear delivery platforms whose range of operation is greater than the A-B inter-capital distance in a given year.

Name: totaldw1

This indicates the total number of nuclear warheads that can be delivered to state B by state A's all strategic nuclear delivery platforms whose range of operation is greater than the A-B inter-capital distance in a given year.

Name: totaldw1_c

This indicates two values: either **1**) the total number of nuclear warheads that can be delivered to state B by state A's all strategic nuclear delivery platforms whose range of operation is greater than the A-B inter-capital distance in a given year, **IF** the value of **totaldw1** is smaller than, or equal to, the total number of nuclear warheads state A possesses, estimated by Kroenig;² or **2**) Kroenig's estimated total number of nuclear warheads state A possesses, **IF** the value of **totaldw1** is greater than Kroenig's estimate.

Name: EMT1

² Matthew Kroenig, "Nuclear Superiority and the Balance of Resolve: Explaining Nuclear Crisis Outcomes," *International Organization* 67, no. 1 (January 2013): 141-71.

This indicates the EMT (equivalent megatonnage) score of state A's nuclear strike using all nuclear warheads that can be delivered to state B by state A's all strategic nuclear delivery platforms whose range of operation is greater than the A-B inter-capital distance in a given year.

Name: CMP1

This indicates the CMP (counter-military potential) score of state A's nuclear strike using all nuclear warheads that can be delivered to state B by state A's all strategic nuclear delivery platforms whose range of operation is greater than the A-B inter-capital distance in a given year.

Name: land2

This indicates the total number of state B's deployed land-based strategic nuclear delivery platforms whose range of operation is greater than the A-B inter-capital distance in a given year.

Name: sea2

This indicates the total number of state B's deployed sea-based strategic nuclear delivery platforms whose range of operation is greater than the A-B inter-capital distance in a given year.

Name: air2

This indicates the total number of state B's deployed air-based strategic nuclear delivery platforms whose range of operation is greater than the A-B inter-capital distance in a given year.

Name: total2

This indicates the total number of state B's all strategic nuclear delivery platforms whose range of operation is greater than the A-B inter-capital distance in a given year.

Name: dnukel2

This indicates the total number of nuclear warheads that can be delivered to state A by state B's deployed land-based strategic nuclear delivery platforms whose range of operation is greater than the A-B inter-capital distance in a given year.

Name: dnukes2

This indicates the total number of nuclear warheads that can be delivered to state A by state B's deployed sea-based strategic nuclear delivery platforms whose range of operation is greater than the A-B inter-capital distance in a given year.

Name: dnukea2

This indicates the total number of nuclear warheads that can be delivered to state A by state B's deployed air-based strategic nuclear delivery platforms whose range of operation is greater than the A-B inter-capital distance in a given year.

Name: totaldw2

This indicates the total number of nuclear warheads that can be delivered to state A by state B's all strategic nuclear delivery platforms whose range of operation is greater than the A-B inter-capital distance in a given year.

Name: totaldw2_c

This indicates two values: either **1)** the total number of nuclear warheads that can be delivered to state A by state B's all strategic nuclear delivery platforms whose range of operation is greater than the A-B inter-capital distance in a given year, **IF** the value of **totaldw2** is smaller than, or equal to, the total number of nuclear warheads state B possesses, estimated by Kroenig; or **2)**

Kroenig's estimated total number of nuclear warheads state B possesses, **IF** the value of **totaldw1** is greater than Kroenig's estimate.

Name: EMT2

This indicates the EMT score of state B's nuclear strike using all nuclear warheads that can be delivered to state A by state A's all strategic nuclear delivery platforms whose range of operation is greater than the A-B inter-capital distance in a given year.

Name: CMP2

This indicates the CMP score of state B's nuclear strike using all nuclear warheads that can be delivered to state A by state B's all strategic nuclear delivery platforms whose range of operation is greater than the A-B inter-capital distance in a given year.