

# Codebook for Terrorist and Insurgent Organization Social Services (TIOS) Dataset

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## 1 Variables

- tios\_groupid
- Total\_Service\_count
- TotalNewsCoverage
- Education\_count
- EducationYouthRecreation
- Health\_count
- HealthEmergency
- Security\_count
- SecurityJustice
- Financial\_count
- FinancialJobsWelfareSubsidies
- Disaster\_count
- NatDisaster
- Public\_Service\_count
- PublicServices
- Religious\_count
- Religious
- service\_coverage
- year
- Total\_Service\_Normalized
- Education\_Normalized
- Health\_Normalized
- Security\_Normalized
- Financial\_Normalized
- Disaster\_Normalized
- Public\_Normalized
- Religious\_Normalized
- Total\_Service\_Rank
- Education\_count\_rank

- Health\_count\_rank
- Security\_count\_rank
- Financial\_count\_rank
- Disaster\_count\_rank
- PublicServices\_count\_rank
- Religious\_count\_rank
- Norm\_RANK\_PC\_TSC
- Norm\_RANK\_PC\_Education\_count
- Norm\_RANK\_PC\_Health\_count
- Norm\_RANK\_PC\_Financial\_count
- Norm\_RANK\_PC\_Disaster\_count
- Norm\_RANK\_PC\_PublicServ\_count
- Norm\_RANK\_PC\_Security\_count

## 2 Descriptions

- Total\_Service\_count
  - Minimum: 0 ; Maximum: 25,632
  - This variable measures the total raw count of all service mentions across all service sectors, which includes Education, Health, Security, Financial, Disaster, Public Services, and Religion.
- TotalNewsCoverage
  - Minimum: 235 ; Maximum: 3,061,421
  - This variable captures the sum of the number of words across all articles that mention each specific terrorist group. Birsa Commando Force received the fewest words at 235, while the Unified Unit of Jihad received the most with 3,061,421. This variable is used in the paper to develop a measure of service provision relative to the overall coverage each group receives to correct for bias in reporting.
- Education\_count
  - Minimum: 0 ; Maximum: 6,942
  - This variable captures the number of mentions of education, youth, and recreation words for each group.
- EducationYouthRecreation
  - Possible Values: 0 or 1
  - This variable equals 1 if the group received any mentioned of education, youth, or recreation related words; otherwise it equals 0.
- Health\_count
  - Minimum: 0 ; Maximum: 3,640

- This variable captures the number of mentions of health and emergency related words for each group.
- HealthEmergency
  - This variable equals 1 if the group received any mentions of health or emergency related words; otherwise it equals 0.
- Security\_count
  - Minimum: 0 ; Maximum: 4,159
  - This variable captures the number of mentions of security and justice related words for each group.
- SecurityJustice
  - Possible Values: 0 or 1
  - This variable equals 1 if the group received any mentions of security or justice related words; otherwise it equals 0.
- Financial\_count
  - Minimum: 0 ; Maximum: 2,384
  - This variable captures the number of mentions of financial, jobs, welfare, and subsidy related words for each group.
- FinancialJobsWelfareSubsidies
  - Possible Values: 0 or 1
  - This variable equals 1 if the group received any mentions of financial, jobs, welfare, or subsidy related words; otherwise it equals 0.
- Disaster\_count
  - Minimum: 0 ; Maximum: 3,677
  - This variable captures the number of mentions of natural disaster related words for each group.
- NatDisaster
  - Possible Values: 0 or 1
  - This variable equals 1 if the group received any mentions of natural disaster related words; otherwise it equals 0.
- Public\_Service\_count
  - Minimum: 0 ; Maximum: 7,535

- This variable captures the number of mentions of public service related words for each group.
- PublicServices
  - Possible Values: 0 or 1
  - This variable equals 1 if the group received any mentions of public service related words; otherwise it equals 0.
- Religious\_count
  - Minimum: 0 ; Maximum: 3,868
  - This variable captures the number of mentions of religious related words for each group.
- Religious
  - Possible Values: 0 or 1
  - This variable equals 1 if the group received any mentions of providing religion related words; otherwise it equals 0.
- service\_coverage
  - Possible Values: Any integer between 0 and 10
  - This variable sums across all of the binary indicators of provision in each sector. These include “Religious,” “PublicServices,” “NatDisaster,” “FinancialJobsWelfareSubsidies,” “SecurityJustice,” “HealthEmergency,” “EducationYouthRecreation,”
- tios\_groupid
  - Possible Values: Any integer between 0 and 457
  - This variable assigns a unique number to each group.
- Total\_Service\_Normalized
  - Minimum: 0 ; Maximum: 1
  - This variable takes the number of total service mentions and divides by the greatest number of mentions of all services for each year any group received. This normalizes the count variable take values between 0 and 1.
- Education\_Normalized
  - Minimum: 0 ; Maximum: 1
  - This variable takes the number of education-related service mentions and divides by the greatest number of mentions of all services for each year any group received. This normalizes the count variable take values between 0 and 1.

- Health\_Normalized
  - Minimum: 0 ; Maximum: 1
  - This variable takes the number of health-related service mentions and divides by the greatest number of mentions of all services for each year any group received. This normalizes the count variable take values between 0 and 1.
- Security\_Normalized
  - Minimum: 0 ; Maximum: 1
  - This variable takes the number of security-related service mentions and divides by the greatest number of mentions of all services for each year any group received. This normalizes the count variable take values between 0 and 1.
- Financial\_Normalized
  - Minimum: 0 ; Maximum: 1
  - This variable takes the number of finance-related service mentions and divides by the greatest number of mentions of all services for each year any group received. This normalizes the count variable take values between 0 and 1.
- Disaster\_Normalized
  - Minimum: 0 ; Maximum: 1
  - This variable takes the number of disaster-related service mentions and divides by the greatest number of mentions of all services for each year any group received. This normalizes the count variable take values between 0 and 1.
- Public\_Normalized
  - Minimum: 0 ; Maximum: 1
  - This variable takes the number of public service-related mentions and divides by the greatest number of mentions of all services for each year any group received. This normalizes the count variable take values between 0 and 1.
- Religious\_Normalized
  - Minimum: 0 ; Maximum: 1
  - This variable takes the number of religion-related service mentions and divides by the greatest number of mentions of all services for each year any group received. This normalizes the count variable take values between 0 and 1.
- Total\_Service\_Rank
  - Minimum: 1 ; Maximum: 396

- This variable ranks each group based upon the number of mentions of any service. The number of mentions is inversely related to the group’s rank. Therefore, larger numbers indicate greater service provision.
- Education\_count\_rank
  - Minimum: 19 ; Maximum: 396
  - This variable ranks each group based upon the number of mentions of services related to education. The number of mentions is inversely related to the group’s rank. Therefore, larger numbers indicate greater service provision.
- Health\_count\_rank
  - Minimum: 29.5 ; Maximum: 396
  - This variable ranks each group based upon the number of mentions of services related to healthcare. The number of mentions is inversely related to the group’s rank. Therefore, larger numbers indicate greater service provision.
- Security\_count\_rank
  - Minimum: 20 ; Maximum: 396
  - This variable ranks each group based upon the number of mentions of services related to security. The number of mentions is inversely related to the group’s rank. Therefore, larger numbers indicate greater service provision.
- Financial\_count\_rank
  - Minimum: 20.5 ; Maximum: 396
  - This variable ranks each group based upon the number of mentions of services related to finance. The number of mentions is inversely related to the group’s rank. Therefore, larger numbers indicate greater service provision.
- Disaster\_count\_rank
  - Minimum: 41 ; Maximum: 396
  - This variable ranks each group based upon the number of mentions of services related to natural disasters. The number of mentions is inversely related to the group’s rank. Therefore, larger numbers indicate greater service provision.
- PublicServices\_count\_rank
  - Minimum: 3 ; Maximum: 396
  - This variable ranks each group based upon the number of mentions of services related to public services. The number of mentions is inversely related to the group’s rank. Therefore, larger numbers indicate greater service provision.
- Religious\_count\_rank

- Minimum: 28 ; Maximum: 396
- This variable ranks each group based upon the number of mentions of services related to religion and religious services. The number of mentions is inversely related to the group’s rank. Therefore, larger numbers indicate greater service provision.
- Norm\_RANK\_PC\_TSC
  - Minimum: 0.0025381 ; Maximum: 1
  - This variable takes the raw rank for total services provided by each group and divides it by 396 (the number of groups in the data set) so that the raw rank is rescaled between 0 and 1. Higher numbers indicate greater service provision.
- Norm\_RANK\_PC\_Education\_count
  - Minimum: 0.0482234 ; Maximum: 1
  - This variable takes the raw rank for education-related services provided by each group and divides it by 396 (the number of groups in the data set) so that the raw rank is rescaled between 0 and 1. Higher numbers indicate greater service provision.
- Norm\_RANK\_PC\_Health\_count
  - Minimum: 0.0748731 ; Maximum: 1
  - This variable takes the raw rank for health-related services provided by each group and divides it by 396 (the number of groups in the data set) so that the raw rank is rescaled between 0 and 1. Higher numbers indicate greater service provision.
- Norm\_RANK\_PC\_Financial\_count
  - Minimum: 0.0520305 ; Maximum: 1
  - This variable takes the raw rank for finance-related services provided by each group and divides it by 396 (the number of groups in the data set) so that the raw rank is rescaled between 0 and 1. Higher numbers indicate greater service provision.
- Norm\_RANK\_PC\_Disaster\_count
  - Minimum: 0.1040609 ; Maximum: 1
  - This variable takes the raw rank for natural disaster-related services provided by each group and divides it by 396 (the number of groups in the data set) so that the raw rank is rescaled between 0 and 1. Higher numbers indicate greater service provision.
- Norm\_RANK\_PC\_PublicServ\_count
  - Minimum: 0.0101523 ; Maximum: 1

- This variable takes the raw rank for public service-related services provided by each group and divides it by 396 (the number of groups in the data set) so that the raw rank is rescaled between 0 and 1. Higher numbers indicate greater service provision.
- Norm\_RANK\_PC\_Security\_count
  - Minimum: .0507614; Maximum: 1
  - This variable takes the raw rank for security-related services provided by each group and divides it by 396 (the number of groups in the data set) so that the raw rank is rescaled between 0 and 1. Higher numbers indicate greater service provision.
- year
  - Data Source: Cronin, Audrey Kurth. 2011. *How Terrorism Ends: Understanding the Decline and Demise of Terrorist Campaigns*. Princeton, NJ: Princeton University Press.
  - Minimum: 0 ; Maximum: 140
  - This variable indicates the lifespan of each group in years.