Extraction Manual for Information Operations Database

Identification Variables:

All the relevant literature sources were transferred to a collaborative Zotero library, an open-source reference management software. Each bibliographic entry in Zotero was assigned a unique system-generated key and contained a PDF copy of the publication. Additionally, each Zotero entry contains metadata about each publication, such as the author, year of publication, type of publication, among other features. The bibliography forms the basis for identification variables. Initially, each piece of literature has a single line entry. However, additional lines are added as needed, duplicating the identification variables listed, in order to properly reflect the number of research questions and associated hypotheses in the publication.

1. **Extractor** (Extractor Name): Text entry. Enter your name to "claim" the work for extraction.
2. **Key**: Alphanumeric. Unique ID linked to Zotero.
3. **Publication Type**: Text. From Zotero.
4. **Publication Year**: YYYY. From Zotero
5. **Author**: Text. From Zotero
6. **Publication Title**: Text. From Zotero

Research Questions & Hypotheses

7. **RQ** (Research Question): Text entry.

   ○ Record the research question from the publication

   ○ If there are multiple research questions, add additional rows(s) for each question.

   ○ If there are no research questions explicitly stated, but one or more research questions can be inferred, enter the inferred research question followed by the text (inferred). If the publication is a review article (Y is coded for REVIEWARTICLE) and there is no research question, enter -99.

8. **H** (Hypothesis): Text entry.

   ○ Record the hypothesis associated with the research question.

   ○ If there are multiple hypotheses but they are "mirrors" (i.e., the same relationship is hypothesized to be both negative and positive, based on different theoretical considerations), enter as a single hypothesis.

   ○ If no hypotheses are explicitly stated, but one or more can be inferred, enter the inferred hypotheses followed by the text, (inferred). If the publication is a

review article (Y is coded for REVIEWARTICLE) or a theoretical piece (Y is coded for THEORYONLY) and there is no hypothesis, enter -99.

Variables

What variables (qualitative or quantitative) are included in the analysis to test the hypothesis? If you are inferring variables, enter -99 for the fields below and follow instructions in the "Inferred Variables" section.

9. **VARDEP** (Dependent variable): text entry. Brief description of the variable and proxy variables that might be used to capture it.
10. **VARIND** (Independent variable): text entry. Brief description of the variable and proxy variables that might be used to capture it.
11. *Coded but not included in the portal database:*
12. **VARCON** (Control variables): text entry. Brief description of the variable(s) and proxy variable(s) that might be used to capture it. If there are no control variables, enter -99.

Inferred Variables

For articles that don't specifically mention their variables and you need to infer them based on the article's core focus, enter text and follow the same rules as above. If you did not infer any variables, enter -99 for each field.

13. **VARDEPINFER** (see rules above for VARDEP)

    ○ Inferred dependent variable(s).
14. **VARINDEPINFER** (see rules above for VARIND)

    ○ Inferred independent variable(s).
15. *Coded but not included in the portal database:* **VARCONINFER** (see rules above for VARCON)

    ○ Inferred control variable(s). Use syntax for **INDV** above.

Methodological Information

16. *Coded but not included in the portal database:* **DATA:** text entry. Enter any data sets used (for QUAN or quantitative pieces), including which variables relate to each data set.
17. **THEORYONLY**: Is the item only theoretical and without empirical tests? Y/N
18. **REVIEWARTICLE**: Is the publication a review article? Y/N
19. **FINDING:** text entry. For empirical pieces only (Y is coded for QUAL, QUANT, or MATHMOD variables). Provide explanation of key findings related to the hypothesis and/or research questions. Be sure to note the finding as it relates to independent variables that are tested. If the piece is not empirical, enter -99.
20. **THEORYEXPLANATION:** text entry. For theoretical pieces only (Y is coded for THEORYONLY). Provide a brief description of key ideas about the phenomena that are explained, cause and effect relationships. If the piece is not theoretical, enter -99.
21. **REVIEWSUMMARY:** text entry. For review articles only (Y is coded for REVIEWARTICLE). Provide a brief description of key insights from the review. If the piece is not a review article, enter -99.

Method of analysis: For empirical pieces, what method(s) are used to test the hypothesis being coded?

22. **QUAL** (Qualitative): Y/N
23. **QUALDES** (Qualitative Method Description): Text entry for specific method(s).
24. **QUAN** (Quantitative): Y/N
25. **QUANDES** (Quantitative Method Description): Text entry for specific method(s)
26. **MATHMOD** (Formal mathematical modeling): Y/N
27. **MATHMODDES** (Formal mathematical modeling description): Text entry for specific method(s)

Temporal coverage

28. **START (**Start Year): YYYY entry. For pieces with no stated temporal focus, enter -99.
29. **END** (End Year): YYYY entry. For pieces with no stated temporal focus, enter -99.

Geographic Coverage

30. **GEOSCOPE** Scope of geographic coverage: where the attack is taking place and/or where the response to attack is taking place:
    1. Subnational in a single country
    2. Single Country
    3. Two Countries (in cases where there is attack and counter response)
    4. Multiple countries in a single region (defined as DOD region)
    5. Multiple countries in multiple regions (defined as DOD region)
    6. Global

-99. No specific geographic focus (e.g., in some theoretical and review pieces)

31. **UNGEO** ([UN Geographic Subregion](#)): Y/N for each region coverage, where the attack is taking place and/or where the response to attack is taking place:

015   Northern Africa (Algeria, Egypt, Libya, Morocco, Sudan, Tunisia, Western Sahara)

014   Eastern Africa (British India Ocean Territory, Burundi, Comoros, Djibouti, Eritrea, Ethiopia, French Southern Territories, Kenya, Madagascar, Malawi, Mauritius, Mayotte, Mozambique, Reunion, Rwanda, Seychelles, Somalia, South Sudan, Uganda, Tanzania, Zambia, Zimbabwe)

017   Middle Africa (Angola, Cameroon, Central African Republic, Chad, Congo, DRC, Equatorial Guinea, Gabon, Sao Tome and Principe)

018   Southern Africa (Botswana, Eswatini, Lesotho, Namibia, South Africa)

011   Western Africa (Benin, Burkina Faso, Cabo Verde, Cote d'Ivoire, Gambia, Ghana, Guinea, Guinea-Bissau, Liberia, Mali, Mauritania, Niger, Nigeria, Saint Helena, Senegal, Sierra Leone, Togo)

029   Caribbean (Anguilla, Antigua and Barbuda, Aruba, Bahamas, Barbados, Bonaire, Sint Eustatius and Saba, British Virgin Islands, Cayman Islands, Cuba, Curacao, Dominica, Dominican Republic, Grenada, Guadeloupe, Haiti, Jamaica, Martinique, Montserrat, Puerto Rico, Saint Barthelemy, Saint Kitts and Nevis, Saint Lucia, Saint Vincent and the Grenadines, Sint Maarten, Trinidad and Tobago, Turks and Caicos Islands, U.S. Virgin Islands)

013   Central America (Belize, Costa Rica, El Salvador, Guatemala, Honduras, Mexico, Nicaragua, Panama)

005   South America (Argentina, Bolivia, Bouvet Island, Brazil, Chile, Colombia, Ecuador, Falkland Islands, French Guiana, Guyana, Paraguay, Peru, South Georgia and the South Sandwich Islands, Suriname, Uruguay, Venezuela)

021   Northern America (Bermuda, Canada, Greenland, Saint Pierre and Miquelon, United States of America)

010   Antarctica

143   Central Asia (Kazakhstan, Kyrgyzstan, Tajikistan, Turkmenistan, Uzbekistan)

030   Eastern Asia (China, China-Hong Kong, China-Macao, North Korea, Japan, Mongolia, South Korea)

035   Southeastern Asia (Brunei, Cambodia, Indonesia, Laos, Malaysia, Myanmar/Burma, Philippines, Singapore, Thailand, Timor-Leste, Vietnam)

034   Southern Asia (Afghanistan, Bangladesh, Bhutan, India, Iran, Maldives, Nepal, Pakistan, Sri Lanka)

145   Western Asia (Armenia, Azerbaijan, Bahrain, Cyprus, Georgia, Iraq, Israel, Jordan, Kuwait, Lebanon, Oman, Qatar, Saudi Arabia, Palestine, Syria, Turkey, UAE, Yemen)

151   Eastern Europe (Belarus, Bulgaria, Czech Republic, Hungary, Poland, Moldova, Romania, Russia, Slovakia, Ukraine)

154   Northern Europe (Aland Islands, Channel Islands, Denmark, Estonia, Faroe Islands, Finland, Iceland, Ireland, Isle of Man, Latvia, Lithuania, Norway, Svalbard and Jan Mayen Islands, Sweden, UK)

039   Southern Europe (Albania, Andorra, Bosnia and Herzegovina, Croatia, Gibraltar, Greece, Holy See, Italy, Kosovo, Malta, Montenegro, North Macedonia, Portugal, San Marino, Serbia, Slovenia, Spain)

155   Western Europe (Austria, Belgium, France, Germany, Liechtenstein,, Monaco, Netherlands, Switzerland)

009   Oceania (American Samoa, Australia, Christmas Island, Cocos Islands, Cook Islands, Fiji, French Polynesia, Guam, Heard and McDonalds Islands, Kiribati, Marshall Islands, Micronesia, Nauru, New Caledonia, New Zealand, Niue, Norfolk Island, Northern Mariana Islands, Palau, Papua New Guinea, Pitcairn, Samoa, Solomon Islands, Tokelau, Tonga, Tuvalu, Vanuatu, Wallis and Futuna Islands, U.S. Minor Outlying Islands)

-99   No specific geographic focus (e.g., in some theoretical and policy publications)

32. **DODGEO** (DOD Combatant Command AOR): Y/N for each region coverage, where the attack is taking place and/or where the response to attack is taking place:

1. **AFRICOM** (Algeria, Angola, Benin, Botswana, Burkina Faso, Burundi, Cameroon, Cape Verde, Central African Republic, Chad, Comoros, Cote d'Ivoire, Djibouti, DRC, Equatorial Guinea, Eritrea, Eswatini, Ethiopia, Gabon, Gambia, Ghana, Guinea, Guinea Bissau, Kenya, Lesotho, Liberia, Libya, Madagascar, Malawi, Mali, Mauritania, Mauritius, Morocco, Mozambique, Namibia, Niger, Nigeria, Republic of the Congo, Rwanda, Sao Tome and Principe, Senegal, Seychelles, Sierra Leone, Somalia, South Africa, South Sudan, Sudan, Tanzania, Togo, Tunisia, Uganda, Zambia, Zimbabwe)

2. **CENTCOM** (Egypt, Israel, Jordan, Syria, Iraq, Kuwait, Saudi Arabia, Bahrain, Qatar, United Arab Emirates, Oman, Yemen, Iran, Turkmenistan, Lebanon, Uzbekistan, Kazakhstan, Kyrgyzstan, Tajikistan, Afghanistan, and Pakistan)

3. **EUCOM** (Albania, Germany, Montenegro, Andorra, Greece, Netherlands, Armenia, Holy See (the Vatican), Norway, Austria, Hungary, Poland, Azerbaijan, Iceland, Portugal, Belarus, Ireland, Romania, Belgium, Russia, Bosnia and Herzegovina, Italy, San Marino, Bulgaria, Kosovo, Serbia, Croatia, Latvia, Slovakia, Cyprus, Lichtenstein, Slovenia, Czech Republic, Lithuania, Spain, Denmark, Luxembourg, Sweden, Estonia, Macedonia, Switzerland, Finland, Malta, Turkey, France, Moldova, Ukraine, Georgia, Monaco, United Kingdom)

4. **INDOPACOM** (American Samoa, Australia, Bangladesh, Bhutan, Brunei, Cambodia, China, Christmas Island, Cocos Islands, Cook Islands, Fiji, French Polynesia, Guam, Heard and McDonalds Islands, Hawaii, India, Indonesia, Japan, Kiribati, Laos, Malaysia, Maldives, Marshall Islands, Micronesia, Mongolia, Myanmar, Nauru, Nepal, New Caledonia, New Zealand, Niue, Norfolk Island, North Korea, Northern Mariana Islands, Palau, Papua New Guinea, Pitcairn, Samoa, Singapore, Solomon Islands, South Korea, Sri Lanka, Thailand, Timore-Leste, Tokelau, Tonga, Tuvalu, Vanuatu, Vietnam, Wallis and Futuna Islands, U.S. Minor Outlying Islands, Philippines)

5. **NORTHCOM** (continental United States, Alaska, Bahamas, Bermuda, Canada, Mexico, Puerto Rico, Turks and Caicos)

6. **SOUTHCOM** (Antigua and Barbuda, Argentina, Barbados, Belize, Bolivia, Brazil, British Virgin Islands, Cayman Islands, Chile, Colombia, Costa Rica, Cuba, Dominica, Dominican Republic, Ecuador, El Salvador, Falkland Islands, Grenada, Guadeloupe, Guatemala, Guyana, Haiti, Honduras, Jamaica,

Martinique, Netherlands Antilles, Nicaragua, Panama, Paraguay, Peru, Saint Kitts and Nevis, Saint Lucia, Saint Vincent and the Grenadines, Suriname, Trinidad and Tobago, Uruguay, U.S. Virgin Islands, Venezuela)
-99 No specific geographic focus (e.g., in some theoretical and policy publications)

If there are five or fewer countries included in the analysis of where the attack is taking place and/or where the response to attack is taking place, please enter the relevant COW country code (list starts on next page) for each included country.

33. **COUN1**
34. **COUN2**
35. **COUN3**
36. **COUN4**
37. **COUN5**

StateNme	CCode	StateNme	CCode	StateNme	CCode
Afghanistan	700	Grenada	55	Panama	95
Albania	339	Guatemala	90	Papal States	327
Algeria	615	Guinea	438	Papua New Guinea	910
Andorra	232	Guinea-Bissau	404	Paraguay	150
Angola	540	Guyana	110	Parma	335
Antigua & Barbuda	58	Haiti	41	Peru	135
Argentina	160	Hanover	240	Philippines	840
Armenia	371	Hesse Electoral	273	Poland	290
Australia	900	Hesse Grand Ducal	275	Portugal	235
Austria	305	Honduras	91	Qatar	694
Austria-Hungary	300	Hungary	310	Republic of Vietnam	817
Azerbaijan	373	Iceland	395	Romania	360
Baden	267	India	750	Russia	365
Bahamas	31	Indonesia	850	Rwanda	517
Bahrain	692	Iran	630	Samoa	990
Bangladesh	771	Iraq	645	San Marino	331
Barbados	53	Ireland	205	Sao Tome and Principe	403
Bavaria	245	Israel	666	Saudi Arabia	670
Belarus	370	Italy	325	Saxony	269
Belgium	211	Ivory Coast	437	Senegal	433
Belize	80	Jamaica	51	Seychelles	591
Benin	434	Japan	740	Sierra Leone	451
Bhutan	760	Jordan	663	Singapore	830
Bolivia	145	Kazakhstan	705	Slovakia	317
Bosnia and Herzegovina	346	Kenya	501	Slovenia	349
Botswana	571	Kiribati	946	Solomon Islands	940

Brazil	140	Korea	730	Somalia	520
Brunei	835	Kosovo	347	South Africa	560
Bulgaria	355	Kuwait	690	South Korea	732
Burkina Faso	439	Kyrgyzstan	703	South Sudan	626
Burundi	516	Laos	812	Spain	230
Cambodia	811	Latvia	367	Sri Lanka	780
Cameroon	471	Lebanon	660	St. Kitts and Nevis	60
Canada	20	Lesotho	570	St. Lucia	56
Cape Verde	402	Liberia	450	St. Vincent & Grenadines	57
Central African Republic	482	Libya	620	Sudan	625
Chad	483	Liechtenstein	223	Suriname	115
Chile	155	Lithuania	368	Swaziland	572
China	710	Luxembourg	212	Sweden	380
Colombia	100	Luxembourg	212	Switzerland	225
Comoros	581	Macedonia	343	Syria	652
Congo	484	Madagascar	580	Taiwan	713
Costa Rica	94	Malawi	553	Tajikistan	702
Croatia	344	Malaysia	820	Tanzania	510
Cuba	40	Maldives	781	Thailand	800
Cyprus	352	Mali	432	Togo	461
Czech Republic	316	Malta	338	Tonga	955
Czechoslovakia	315	Marshall Islands	983	Trinidad and Tobago	52
Dem Republic of the Congo	490	Mauritania	435	Tunisia	616
Denmark	390	Mauritius	590	Turkey	640
Djibouti	522	Mecklenburg Schwerin	280	Turkmenistan	701
Dominica	54	Mexico	70	Tuscany	337
Dominican Republic	42	Modena	332	Tuvalu	947
East Timor	860	Moldova	359	Two Sicilies	329
Ecuador	130	Monaco	221	Uganda	500
Egypt	651	Mongolia	712	Ukraine	369
El Salvador	92	Montenegro	341	United Arab Emirates	696
Equatorial Guinea	411	Morocco	600	United Kingdom	200
Eritrea	531	Mozambique	541	USA	2
Estonia	366	Myanmar	775	Uruguay	165
Ethiopia	530	Namibia	565	Uzbekistan	704
Federated States of Micronesia	987	Nauru	970	Vanuatu	935
Fiji	950	Nepal	790	Venezuela	101
Finland	375	Netherlands	210	Vietnam	816
France	220	New Zealand	920	Wuerttemburg	271

Gabon	481	Nicaragua	93	Yemen	679
Gambia	420	Niger	436	Yemen Arab Republic	678
Georgia	372	Nigeria	475	Yemen People's Republic	680
German Democratic Republic	265	North Korea	731	Yugoslavia	345
German Federal Republic	260	Norway	385	Zambia	551
Germany	255	Oman	698	Zanzibar	511
Ghana	452	Pakistan	770	Zimbabwe	552
Greece	350	Palau	986		

Type of Information Operation

Type of Information Operation. Differentiation between threat/attack initiation and response to threat/attack. Classification based on the article's core focus.

38. **STATERESP** (State response to info op threat/attack): Y/N.
39. **ATTACKERTHREAT** (State initiation of info op threat/attack): Y/N.

Focus of info ops threat/attack:

40. **MILSTATEATTACK** (Military of the state that is threatened/attacked): Y/N
 41. **POLSTATEATTACK**(Political/Legal institutions of the state that is threatened/attacked): Y/N
42. **ECONSTATEATTACK** (Economic institutions of the state that is threatened/attacked): Y/N
43. **GENATTACK** (General population of the state that is threatened/attacked): Y/N

Focus of the response to info ops threat/attack:

44. **MILSTATERESP** (Military of the state that is responding): Y/N
45. **MILADVERRESP** (Military of the attacker): Y/N
46. **POLSTATERESP** (Political/Legal institutions of the state that is responding): Y/N
47. **POLADVERRESP** (Political/Legal institutions of the attacker): Y/N
48. **ECONSTATERESP** (Economic institutions of the state that is responding): Y/N
49. **ECONADVERRESP** (Economic institutions of the attacker): Y/N
50. **GENSTATERESP** (General population of the state that is responding): Y/N
 51. **GENADVERRESP** (General population of the attacker): Y/N
52. **NORESP** (No response: article explicitly focuses on the state undertaking no response to threat/attack): Y/N

National Lever of Power

Indicate how state(s) respond to attacker's use of information operations (only if the piece is coded Yes for STATERESP).

53. **D** (Diplomatic, the use of negotiation and dialogue and resulting treaties or policies to advance interests): Y/N
54. **DDES** (Description of diplomatic tactics): Text entry
55. **In** (Information, the deployment of information and narrative to shape events, strategies, and perceptions to advance interests): Y/N
56. **INDES** (Description of information tactics): Text
57. **M** (Military, the coercive application or threat of force in order to compel): Y/N
58. **MDES** (Description of military tactics): Text
59. **E** (Economic, the use of economic instruments and policies, including macroeconomic policy, trade policy, and foreign aid, to advance interests): Y/N
60. **EDES** (Description of economic tactics): Text
61. **F** (Financial, involving the use of financial systems, either formal or informal, and typically the denial of access to such systems, to advance interests): Y/N
62. **FDES** (Description of financial tactics): Text
63. **I** (Intelligence, the conversion of diverse data related to the environment, future capabilities and intention, and relevant actors into coherent information to allow decision advantage to advance interests): Y/N
64. **IDES** (Description of intelligence tactics): Text
65. **L** (Law Enforcement, the use of international, foreign, or domestic legal frameworks and their enforcement to advance interests): Y/N
66. **LDES** (Description of law enforcement tactics): Text
67. **DEV** (Development, activities designed to enhance the capacity of the recipient, typically but not exclusively the economic capacity): Y/N
68. **DEVDES** (Description of development tactics): Text
69. **GOV** (Governance, activities designed to enhance the efficacy and legitimacy of institutions): Y/N
70. **GOVDES** (Description of governance tactics): Text