ECONOMICS OF NATIONAL SECURITY

DATA SET INDEX
VERSION 1.1

PROFESSOR MARTIN FELDSTEIN

Compiled by Brandon Kaplowitz

Contents

1   Macroeconomic Datasets

1.1   Government Investment in Fixed Assets

- 2 Datasets from 1925-2014

- Net Investment in US Fixed Assets in Billions of year-end USD, including Total Government, Federal, and Local Expenditure. Divides spending by category including: Government Equipment, Structures, (itself divided into Buildings, Residential, Industrial, Educational, Hospital, Other, Highway and Streets, Military Facilities, Conservation and Development, Sewer Systems, Water Supply facilities and Other Structures), IP Products, Software, and R&D. It also further divides federal spending into defense and non-defense spending. Beside the above mentioned items, defense categories include investment in aircraft, missiles, ships, vehicles, electronics and other equipment.

- Source: BEA 2016c BEA 2016d

- Filename(s): fixed asset investment 1925-1996.csv fixed asset investment 1997-2014.csv

1.2   Spending by Agency

- Dataset from 1976-2021(proj.)

- Lists percentage disbursement of federal budget to receiving agencies in United States government by year.

- Source: White House 2016a

- filename(s): federal spending by agency.xls

1.3   Measures of Productivity and Technology

1.3.1   Total Factor Productivity

- Dataset from 1950-2016

- Estimate of Total Factor Productivity of the US Economy at constant national prices, as compiled by FRED, indexed to 2011.

- Source: FRED 2016i

- filename(s): RTFPNAUSA632NRUG–Total Factor Productivity.xls

1.3.2   Productivity by Industry

- 11 Datasets covering 1889-2000

Overview Index of Productivity by Sector

- 3 Datasets covering 1889-2000

- Indices of Productivity by sector from 1889-2000, including Farm, Non-farm, Labor, Capital and Total productivity for 1889-1947, Output per Labor Hour for Total Manufacturing, Durable Goods Manufacturing, Non-durable Goods Manufacturing, Business Sector, the Nonfarm Business Sector, Nonfinancial Corporations, and KLEMS Multifactor Productivity Output for Manufacturing, Manufacturing Durable Goods, Manufacturing Nondurable Goods, Business Sector and Nonfarm Business Sector.

- Source: Historical Statistics of the United States. Carter et al. 2006a

- filename(s): Cg265-272.xls
  Cg273-280.xls
  Cg281-291.xls

Manufacturing Productivity

- 2 Datasets from 1947-2000

- Index of output per employee and per hour annually by manufacturing category, including petroleum refining, tire and inner tube manufacture, nonrubber footwear, glass containers, hydraulic cement, blast furnace and basic steel products, primary aluminum, metal cans, motors and generators, electric lamps, bulbs and tubes, motor vehicles and equipment.

- Source: Historical Statistics of the United States. Carter et al. 2006f Carter et al. 2006g

- filename(s): Cg314-324.xls
  Cg325-335.xls

Service Sector Productivity

- 2 Datasets from 1947-2000

- Index of Output per employee and per hour annually by service sector, including Railroad Transportation, Telephone Communications, Electric Utilities, Gas Utilities and Air Transportation

- Source: Historical Statistics of the United States. Carter et al. 2006h Carter et al. 2006i

- filename(s): Cg336-340.xls
  Cg341-345.xls

Agriculture Productivity

- 2 Datasets from 1947-2000

- Index of output per employee and per hour annually by food and beverage category, including Dairy Products, Preserved Fruits and Vegetables, Grain Mill Products, Bakery Products, Malt Beverages, and Bottled and Canned Soft Drinks.

- Source: Historical Statistics of the United States. Carter et al. 2006d Carter et al. 2006e

- filename(s): Cg302-307.xls
  Cg308-313.xls

Mining Productivity

- 2 Datasets from 1955-2000

- Index of output per employee and output per hour annually by mining/drilling category, including: Copper (Recoverable Metal), Coal, Crude Petroleum, Nonmetallic Minerals and Crushed Stone

- Source: Historical Statistics of the United States. Carter et al. 2006b Carter et al. 2006c

- filename(s): Cg292-296.xls
  Cg297-301.xls

1.3.3 Research

Research Investment

- 3 Datasets covering 1947-2000

- Cg110-181 covers amount of money spent on U.S. R&D by sector, including Government, Industry, Colleges and Universities, FFRDCs, and Nonprofits, as well as spending by basic or applied research from 1953-2000 in USD.
  Cg182-202 covers the amount of money apportioned by each department of the US government for research purposes in USD.
  Cg203-211 covers amount of money spent on basic, applied, and development for industry by source, including Federal and Industrial funding from 19353-2000 in USD.

- Source: Historical Statistics of the United States, Millennium Edition. Wright 2006b Wright 2006e Wright 2006f

- filename(s): Cg110-181.xls
  Cg182-202.xls
  Cg203-211.xls

Nobel Prizes

- Dataset from 1901-1999, by lustrum.

- Covers number of Nobel Prizes awarded in five year blocks by winner's country of residence, and by category of prize. Countries included are France, Germany, Russia, United Kingdom, United States and other. Prize categories included are Chemistry, Economics, Physics and Physiology or Medicine.

- Source: Historical Statistics of the United States, Millennium Edition. Wright 2006g

- filename(s):Cg212-235.xls

Space Launches

- Dataset from 1982-1997

- Number of Space Launches in United States, Russia, China, and Europe each year.

- Source: Historical Statistics of the United States, Millennium Edition. Cain 2006

- filename(s):Cg236-240.xls

1.3.4 Patents, Trademarks, Copyrights

Copyrights

- 2 Datasets covering 1870-2001

- Covers numbers of copyrights registered in the United States by year and by category, including:/ From 1870-1977: Total, Books and Pamphlets Printed Domestically and Abroad, Periodicals, Contribution to Newspapers and Periodicals, Dramas and Associated Music, Musical Compositions, Maps, Works of Art, Prints and Pictures, Commercial Prints and Labels, Motion Pictures, Sound Recordings, Misc. and Renewals.
  From 1978-2001: Total, Published and Unpublished Monographs, Serials, Published and Unpublished works in the Performing Arts, Published and Unpublished Works in Visual Arts, Published and Unpublished Sound Recordings and Renewals.

- Source: Historical Statistics of the United States, Millennium Edition. Wright 2006c Wright 2006d

- filename(s):Cg1-15.xls
  Cg16-26.xls

Trademarks

- Dataset from 1870-2002

- Annual number of trademarks issued or renewed in the US.

- Source: Wright 2006a

- filename(s):Cg108-109.xls

Patents

- Historical Statistics: 3 Datasets covering 1840- 2015/ U.S. Patent and Trademark Office (USPTO): Dataset covering 1963-2015

- Historical Statistics includes total number of patents issued annually in the US as well as numbers by primary, secondary sector, and tertiary sector. Primary sectors (natural resources) include: Agriculture, Forestry and Mining.
  Seconday Sectors (manufacturing) include: Electric Appliances, Electric Lighting, Radio and Television, Electric Industry Equipment, Other Electric Equipment, Electronic Equipment, Chemicals, Drugs, Petroleum, Aerospace, Motor Vehicles, Ships, Other Transport, Ferrous Metals, Nonferrous Metals, Fabricated Metals, Instruments, Computers and Peripherals, Other Office Machinery, Other Machinery, Foot and Tobacco, Textiles, Rubber and Plastics, Nonmetallic Minerals, Paper, Wood, and Other Manufacturing.
  Tertiary sectors (services) include: Construction, Transportation and Storage, Communication, Trade, Finance, Government and Education, Health, and Other Services.
  USPTO data includes total number of patents applicants and grants per year, as well as number of utility patents subdivided by foreign or domestic origination, design and plant patents, as well as number of reissuances.

- Source: Wright 2006h Johnson 2006a Johnson 2006b PTMT, U.S. Patent and Trademark Office 2016

- filename(s):Cg27-37.xls
  Cg38-68.xls
  Cg69-107.xls

1.4   Trade and Tariffs

- Dataset covers trades in valuation between pairs of countries over time. Also includes tariffs, if any between countries. Breaks down into good category, amount of trade in dollars, total percent value coming from trade, tariffs, if any, as well as trade in services and relevant international categories.

- Source: The World Bank 2011

- filename(s): TSD_February2015.csv
  wits_en_at-a-glance_allcountries_allyears
  wits_en_trade_summary_allcountries_allyears
  EVAD_February2015.csv
  TRAINSPreferenceBenficiaries.xls
  TRAINSTariffMeasures.xls
  WITSCountryProfile-Country_Indicator_ProductMetada-en.xlsx

1.5   Bilateral Trade Deals

- Dataset from 1870-2009

- List of size of total imports and exports by country in current USD. Dyadic data includes imports and exports between pairs of countries in current USD.

- Source: Historical Statistics of the United States, Millennium Edition. Barbieri and Keshk 2012 Barbieri, Keshk, and Pollins 2009

- filename(s): national_trade_3.0.xls
  dyadic_trade_3.0
  Trade_Codebook_3.0.pdf
  ITrade.DOC

2   Military Economic Data: Expenditure, Investment, Weapons Trade and Pricing

2.1   Defense Investment

- Dataset from 1940-2017 (proj.)

- Investment in US Military and Nuclear Programs from 1940 to present in millions of USD by category including procurement, construction and family housing and major equipment and construction of physical assets respectively.

- Source: White House 2016b

- filename(s): defense investment by year.xls

2.2   NATO Spending

- Dataset from 1949-2015

- Includes spending from NATO members on defense in millions or billions of local currency, constant 2014 million USD, and as % of member GDP from 1949-2015, as well as some graphs comparing US and non-US NATO spending.

- Source: SIPRI 2016b

- filename(s): SIPRI-NATO-milex-data-1949-2015.xlsx

2.3   US Department of Defense Spending

- Datasets from 1940-2021(proj.) (Chapter 7: Historical Statistics), 1970-2021(proj.) (Chapter 5+6: Outlays and Deflators)

- Includes Statistics on everything from US Military Spending by Service and Item per Year, to defense employment as a composition of public and total employment. Also, includes estimates of Defense contribution to GDP, Veteran spending, inflation rates and calculated price index for different military goods, and wage changes by year.

- Source: Department of Defense 2015

- filename(s): FY17 PB Green Book Chap 6
FY17 PB Green Book Chap 5.xlsx
Green Book Chap 7–general historical statistics on military spending.xlsx

2.4   US Military Aid

- Dataset from 1946-2014

- Includes all economic and military assistance that the United States has provided other countries by year, the list of other recipients, as well as the size in both historical and constant 2014 USD, the funding account name, the intention of the program, and the funding institute.

- Source: USAID 2015

- Total_Economic_and_Military_Assistance_1946-2014.xlsx

2.5   International Historical Military Expenditures

- Dataset from 1949-2015

- Includes spending from all countries and historical countries on defense in terms of local currency, millions of 2014 USD and as a percent of GDP.

- Source: SIPRI 2016a

- filename(s): Current USD Beta.xlsx
FY local beta.xlsx
GDP share Beta.xlsx
CY Local Beta.xlsx
Constant USD Beta.xlsx

2.6 National Defense Consumption Expenditure

- Dataset from 1972-2016

- Quarterly Expenditure on US National Defense Consumption Measures expressed in Nominal Prices. Examines individual categories of expenditure by calculating compensation of Defense employees and adding purchases of goods including: Aircraft, Missiles, Ships, Vehicles, Electronics, Other durable goods, Petroleum products, Ammunition, Other nondurable goods, Installation support, Weapons support, Personnel support, Transportation of material, and Travel of persons.

- Source: BEA 2016b

- national defense consumption expenditure nominal.csv

2.7 National Defense Consumption Expenditure Price Index

- Dataset from 1972-2016

- Quarterly price index for different military goods to control for inflation, indexed at 2009 prices.

- Source: BEA 2016a

- filename(s): Price Index for National Defense Consumption Expenditures by Category 1972-Present'.csv

2.8 Military Structure Investment

2.8.1 Net

- Dataset 1791-2016

- Measures Net Military Structure Investment per Year in Real and Nominal Terms.

- Source: FRED 2016f FRED 2016b FRED 2016d

- filename(s): A02225USA550NNBR.csv
  A02216USA379NNBR.csv
  I3GDEFN1SM000.csv

2.8.2 Gross

- Dataset 1929-2016

- Gross Military Structure Investment constant USD per Year.

- Source: FRED 2016c

- filename(s): B818RC1A027NBEA.csv

2.9 Veterans Affairs Consumption Expenditures

2.9.1 Real

- Dataset 1972-2016
- Consumption Expenditures for Veterans Affairs per Year in Constant 2009 Dollars
- Source: FRED 2016h
- filename(s): B4080A3Q086SBEA.csv

2.9.2 Nominal

- Dataset 1972-2016
- Consumption Expenditures for Veterans Affairs in Nominal Dollar.
- Source: FRED 2016e
- filename(s): B4080G3Q086SBEA.csv

2.10 Arms Export

2.10.1 Top 200 Countries by Value

- Dataset from 1950-2015
- Exports of arms by country of origin in constant 1990 m. USD, by year.
- Source: SIPRI 2016d
- filename(s): TIV-Export-Top-200-1950-2015-Suppliers.csv

2.10.2 Top 100 Companies by Value

- Dataset covers 2013-2014
- Exports of arms in millions of 2014 USD with earnings, country of origin, percentage of total sales represented, total profits, and number of employees in each firm. Excludes China due to insufficient data.
- Source: SIPRI 2015
- filename(s): AP-Top-100-2002-2014-SIPRI-Time-Series(1)-Suppliers.xlsx

2.10.3 Recipients of Weapons

- Dataset covers 1950-2015
- Imports of arms in millions of 1990 USD by recipient country by year.
- Source: SIPRI 2016e
- filename(s): TIV-Import-All-1950-2015-by country.csv

2.10.4 Donors of Weapons

- Dataset covers 1950-2015

- Exports of arms in millions of constant 1990 USD by exporting country by year.

- Source: SIPRI 2016f

- filename(s): TIV-Export-All-1950-2015-bycountry.csv

2.10.5 Total Imports

- Dataset covers 1950-2015

- Imports of arms for all countries by category of weapon per year in millions of constant 1990 USD.

- Source: SIPRI 2016c

- filename(s):TIV-Import-All-1950-2015-weapon-type.csv

2.10.6 Total Exports

- Dataset covers 1950-2015

- Exports of arms for all countries by category of weapon per year in millions of constant 1990 USD.

- Source: SIPRI 2016g

- filename(s):TIV-Export-All-1950-2015-weapons-type.csv

2.10.7 Tradelog of Weapons

- Data from 1950-2015

- Trade log of all weapons traded between states from 1950 until 2015. Log includes donor and recipient country, name of military equipment or weapon traded, quantity traded, when the deal was created, and when it was completed, year of delivery and whether it was new or not.

- Source: SIPRI 2016h

- filename(s):Trade-Register-1950-2015.rtf

2.10.8   US Military Exports Transfer Payments

- Dataset 1999-2016

- Real Transfer Payments of US Military Exports under Sales Contracts in 2010 Dollars

- Source: FRED 2016g

- filename(s): B267RX1Q020SBEA (1).csv

2.11   Aerospace Exports & Imports

- 2 Datasets 1990-2012

- Biggest importers from and exporters to US of Aerospace parts in millions of USD. Countries ranked by 2012 exports and imports.

- Source: Aeroweb 2013a Aeroweb 2013b

- filename(s): U.S.-Aerospace-Products-and-Parts-Exports-by-Country.xls U.S.-Aerospace-Products-and-Parts-Imports-by-Country.xls

2.12   Employees US Government

- Dataset 1939-2016

- Total Number of US government employees by category, including military and civilian employees.

- Source: FRED 2016a

- filename(s):USGOVT.csv

2.13   Military Expenditure

2.13.1   Military Spending by Country as part of Government and GDP

- Dataset from 1960-2015

- Military Expenditure in % of central government expenditure, % of GDP for World Bank recognized nations from 1960-2016.

- Source:World Bank 2016k World Bank 2016l World Bank 2016j

- filename(s): 2dd152dd-081c-427e-af63-2d0d034bb1e6_Data.csv 2dd152dd-081c-427e-af63-2d0d034bb1e6_Definition and Source.csv

2.13.2 Historical Military Expenditure in Nominal and Real Terms

- 1949-2015

- Military expenditure in GDP Share, Local Currency, Constant USD, Current USD, Local Currency Current Prices by Calendar Year, and Local Currency Current Prices by Fiscal Year.

- Source: SIPRI 2016a

- filename(s): Backdated data introduction.pdf
  Constant USD Beta.xlsx
  Current USD Beta.xlsx
  CY Local Beta.xlsx
  FY local beta.xlsx
  GDP share Beta.xlsx
  Copyright notice - Read me.docx

3 Military Employment

3.1 Labor/Household Spending Studies on Military

Available Data from West Point Office of Economic and Manpower Analysis (upon request):

- Analyzing Veterans' Unemployment Compensation (UCX) Behavior

- Pilot Program to Improve Transitioning Soldiers' Education Decisions

- Effects of the Transition Assistance Program (TAP) on Post-Service Outcomes

- Effects of Disability Compensation on Veteran's Labor Market Outcomes

- Longitudinal Analysis of Veterans' Economic Outcomes

- Effects of Peer Groups on Soldiers' Financial Decision-Making

- Identifying and Measuring Risk Preferences Within and Across Domains

- Effects of Access to Payday Lending

- Effects of Military Relocations on Dependents' Economic Outcomes

- Improving Utilization of Servicemembers' Civil Relief Act (SCRA) Benefits

- Effects of Automatic Enrollment on DA Civilians' TSP Participation

- Understanding DA Members' TSP Cash-Out/Roll-Over Decisions

Potential topics (future research):

- Optimal Financial Education: Topics, Timing, and Methods

- Effects of Disability Ratings on Veterans' Labor Market Outcomes

- Estimating the Effects of Planned and Unplanned Furloughs on Employees' Finances

- The Effects of TSP and/or SSA Benefits Statements on Savings Decisions

- Improving DA Members' Retirement Savings Allocation Decisions

3.2   Human Capital Studies

Available Data from West Point Office of Economic and Manpower Analysis (upon request):

- Estimating the Marginal Effects of Non-Cognitive Skills on Performance

- Estimating the SAT-ASVAB General Technical (GT) Relationship

- Pilot Program to Improve Transitioning Soldiers' Education Decisions

- Effects of Military Relocations and Service on Dependents' Education Outcomes

- Effects of the Post-9/11 GI Bill on Education Decisions

- Exploring the Educational Trajectories of Army Servicemembers and Veterans

Potential topics (future research):

- Effects of Tuition Assistance on Servicemembers' Educational Outcomes

3.3   Effects of Military Service on Servicemembers & Veterans

Available Data from West Point Office of Economic and Manpower Analysis (upon request):

- Effects of Post 9/11 Military Service on Mortality

- Effects of Market Mechanisms on Military Manpower Outcomes

- Effects of Military Relocations on Household Formation and Dissolution

- Effects of Mentors on Officer Retention Decisions

Potential topics (future research):

- Creating a Joint Benefits Statement with the Army, FRTIB, SSA and OPM

- Effects of BAH on Servicemembers' Financial Expenditures

Researchers interested in pursuing joint projects with the OEMA [Office of Economic and Manpower Analysis—U.S. Military Academy] should have a university faculty member contact OEMA's Long Term Research Coordinator, LTC William Skimmyhorn at william.skimmyhorn@usma.edu

3.3.1 Contact Information

Requests for research or questions about OEMA's efforts should be directed to LTC William Skimmyhorn at william.skimmyhorn@usma.edu, (845) 938-4732 or COL David Lyle at david.lyle@usma.edu, (845) 938-3329. Source: Information and Contacts directly taken from Skimmyhorn 2016.

4 Military Force Comparisons

4.1 GMI

- Dataset 2014

- Index of militarization of each nation relative to the rest of its society, as well as index of military expenditure, military personal, heavy weapon ownership, and rank relative to other countries. Each index is calculated by a ratio of number of each type to total population then indexed.

- Source: Bonn International Center for Conversion 2015

- filename(s): Force Comparison GMI.bicc.de.xlsx

4.2 Military Size to Labor Force

- Dataset from 2002-2012

- Selected ratios of military spending per GDP, military size per population, armed forces per labor force size, GDP per capita, military expenditure per capita, and democratic ratings by region and country, as well as averages over the period and percent change per year.

- Source: State Department 2015

- filename(s): 251076.xlsx

5 Accounting of Conflicts, Alliances, Military Force, Casualties and Resources for Conflict

5.1 Battlefield Deaths and Displaced Population

5.1.1 International–World Bank

- Dataset from 1960-2015

- Number of Battlefield Deaths and Internal Displaced population by year and by country.

- Source: World Bank 2016a World Bank 2016i World Bank 2016h

- filename(s): 2ef97a13-31e1-4f36-9aec-89c0b86b1ca3_Definition and Source.csv
  2ef97a13-31e1-4f36-9aec-89c0b86b1ca3_Data.csv

5.1.2 International–UCDP

- 2 Datasets from 1989-2014

- Number of deaths related to each battle. Includes countries involved, conflict of deaths, unique id of conflict integrated with UCDP Conflict database above, territory name being disputed, best, high and low estimates for deaths, type of conflict (extra-systemic, interstate, internal and internationalized internal conflict) and battle location. Includes both events by conflict as well as by dyad.

- Source: Uppsala Conflict Data Program 2015

- filename(s): ucdp-brd-codebook.pdf
  ucdp-brd-conf-2015.csv
  ucdp-brd-dyadic-2015.xlsx

5.1.3 U.S. Casualties by Service Branch

- Dataset from 1775-1995

- Includes number of deaths for Army, Navy, Marines and Airforce (if relevant) per War, as well as personnel serving world wide, number of total casualties, number of battle casualties, number of other casualties, and number of wounded.

- Historical Statistics of the United States, Millennium Edition. Gartner 2006a

- filename(s): Ed1-5.xls

5.2 Peacekeeper Presence

- Dataset 1960-2015

- Number of UN Peacekeepers per Country by Year.

- Source: World Bank 2016m

- filename(s): 97101988-c8bb-4269-93ee-e321b10a9371_Definition and Source.csv
  97101988-c8bb-4269-93ee-e321b10a9371_Data.csv

5.3 Size of Armed Forces

- Dataset 1960-2015

- Size of Armed Forces by Country over per year in terms of total number and by percent of available labor force.

- Source: World Bank 2016b World Bank 2016c

- filename(s): 47f0a398-3abc-4e6e-bdba-c1558f2755f0_Data.csv
  47f0a398-3abc-4e6e-bdba-c1558f2755f0_Definition and Source.csv

5.4 Peace Agreements

- Dataset 1975-2011

- Covers peace agreements between two opposing warriors. Includes agreement, conflict, actors involved, name, date, signatories, third parties, implementation success, and indicators for withdrawal, ceasefire, disarmament, integration of forces into new army, creation of a new 'rebel' political party, integration of rebels into government, new elections, creation of interim government, creation of national talks, creation of power-sharing agreements, cultural freedom, local governance, autonomy, federalism, or independence for rebels, new border demarcations, amnesty, release of prisoners, national reconciliation, return of refugees, deployment of peacekeepers, and whether the peace agreement dealt with all issues or only a subset of them.

- Source: Högbladh 2012 Harbom, Högbladh, and Wallensteen 2006

- filename(s): ucdp-codebook-peace-agreements.pdf
  ucdp-peace-agreements.xls

5.5   Catalogue of Diplomatic Exchanges

- Dataset 1817-2005

- Records diplomatic exchanges and representation between states during 1817, 1824, 1827, 1832, 1836, 1840, every 5 years between 1844 and 1914, every 5 years between 1920 and 1940, and every five years between 1950 and 2005, including countries involved, diplomatic representation level on both sides, or any diplomatic exchange that took place between the two.

- Source: Correlates of War Bayer 2006

- filename(s): Diplomatic_Exchange_2006v1.csv
  Diplomatic_Exchange_2006v1_codebook.pdf

5.6   Production Factors Relevant in Conflict

- Dataset 1816-2005

- Records key factors of production necessary for war by country over time, including historical countries. These include total iron and steel production in thousand of tons, total military expenditures in current year British pounds from 1816-1913, and current year USD 1914-2005, the number of military personnel in thousands, the amount of energy from petroleum, oil, natural gas, coal, and other sources expressed in terms of thousand of coal-ton equivalents, the total population in thousands, the size of urban population in cities larger than 100,000 individuals in thousands, and finally a composite score for each country in terms of its capability calculated from the above.

- Sources: Correlates of War Singer 1987

- filename(s): NMC_3.02.csv
  NMC_Documentation.pdf

5.7   Direct Borders with Neighboring States

- Dataset 1816-2005

- Records all international border locations, geographic place, and disputes fought over from 1816-2005.

- Source: Correlates of War Stinnett et al. 2002

- Filename(s): National Direct Contiguity.txt
  Direct Contiguity Master File.txt
  Dyadic Direct Contiguity.txt

5.8 Alliances

- Dataset from 1816-2000

- List of bilateral and multilateral alliances in place by year and nations involved. Dyadic includes bilateral relations in terms of alliances between all pairs of countries, with multiple including all such alliances, and single including only the alliance with the highest level of commitment.

- Source: Correlates of War. Bennett 2003 Gibler and Sarkees 2003

- filename(s): Alliance_v3.03.csv
  Alliance_v303_annual_dyadic_multiple.csv
  Alliance_v303_annual_dyadic_single.csv
  Alliance_v3.03_Coding_Manual.doc
  Dyadic_Alliance_v3.03_documentation.rtf

5.9 Historical Military Involvement

5.9.1 International Conflicts

- 5 Datasets covering 1816-2001

- MIDA/MIDB: Covers all conflicts, including information on highest escalation level by conflict(No militarized action, Threat to use force, Threat to blockade, Threat to occupy territory, Threat to declare war, Threat to use CBR weapons, Threat to join war, Show of force, Alert, Nuclear alert, Mobilization, Fortify border, Border violation, Blockade, Occupation of territory, Seizure, Attack, Clash, Declaration of war, Use of CBR [chemical, biological, radiological/nuclear] weapons, Begin interstate war, Join interstate war) nations involved, period fought, originator, revisions post-conflict (none, territory, policy, regime/government, or other) and casualties size by block by participant (1-25, 26-100, 101-250, 251-500, 501-999, or 999+ deaths) and exact number of casualties if known. MIDB includes nations involved, while MIDA limits to incidents. Covers 1816-2001
  MIDI/MIDIP: Covers all incidents within conflicts, including escalation level of incident, nations involved, period fought, originator, revisions post-incidents, and casualties size by block or exact number if known. MIDIP includes participants, while MIDI limits to incidents. Covers 1993-2001.
  MIDDyadic: Breaks down all multilateral disputes into bilateral incidents between two nations in the same manner as MIDI. Only includes cases where two nations directly engaged in militarized incidents with one another. Covers 1993-2001.

- Source: Correlates of War. Ghosn and Palmer 2003 Ghosn and Bennett 2003

- filename(s): MIDA_3.021.csv
  MIDB_3.02.csv
  MIDDyadic_3.02.csv
  MIDI_3.02.xls
  MIDIP_3.02.csv
  MID_v3.0.codebook.pdf
  Codebook for MID Incident Data.pdf
  Codebook for Dyadic MID Data.pdf

5.9.2   U.S. Historical Involvement–Airforce

- Dataset from 1916-1991.

- Denotes officially recognized battles/campaigns that the airforce participated in by date and conflict/theater.

- Source: Historical Statistics of the United States, Millennium Edition. Gartner 2006d

- filename(s): Ed200-201.xls
  Ed200-201_documentation.html

5.9.3   U.S. Historical Involvement–Army

- Dataset from 1775-1991

- Denotes officially recognized battles/campaigns that the army participated in by date and conflict/theater.

- Source: Historical Statistics of the United States, Millennium Edition. Gartner 2006b

- filename(s):Ed196-197.xls
  Ed196-197_documentation.html

5.9.4   U.S. Historical Involvement–Navy

- Dataset from 1776-1991

- Denotes officially recognized battles/campaigns that the navy participated in by date and conflict/theater.

- Source: Historical Statistics of the United States, Millennium Edition. Gartner 2006c

- filename(s): Ed198-199.xls
  Ed198-199_documentation.html

5.10   Historical Actors

- Dataset from 1989-2014.

- Includes actors involved with all major conflict from around the world. Includes the home country of the actors, the countries the actors target, whether the actors are part of a coalition, and conflicts involved in by actor.

- Source Code: Program 2015

- filename(s): ucdp-actor-dataset-codebook-2.2-2015.pdf
  ucdp-actor-22-2015.xlsx

5.11   Territorial Changes

- Dataset from 1816-1996

- List of territorial changes by date, states involved by gaining and losing sides, types of change for gaining state, procedure of exchange (conquest, annexation, cession, secession, unification, or mandated territory), unit exchanged, indicator for portion or whole of unit exchanged, area and population of territory exchanged, contiguity of territory exchanged, indicator for independence, world system entry or exit (disappearance or appearance of "legitimate" states), independence, and any related military conflict.

- Source: Historical Statistics of the United States, Millennium Edition. Jaroslav et al. 1998

- filename(s): tc2000.xls
  tcmanual.doc

5.12   Crossectional Historical Study of Natural, Infrastructure, Economic, Militaristic and Technological Resources of Nations

- Data from 1815-2006.

- Summary of historical statistics by country and year. 200 Historical countries and their successors included. Examples of statistics in the data set include: population, population of various sized cities, population density, national government revenue and expenditure, and defense expenditure, imports, exports and percent of world trade, energy production and consumption, militarization of society, decomposition of GDP and workforce into agricultural, industrial and service sectors and per capita income in each sector, railroad and road mileage and passengers per year, vehicle ownership, telephones divided into landlines and cellular, telegraph mileage and telegrams per capita, mail per capita, radios and television

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ownership, newspaper and book production, school enrollment rates and literacy rates, GDP/GNP, physicians per capita, amount of currency in circulation, exchange rates to dollar, and black market rates to dollar, Assassinations, General Strikes, Guerrilla Warfare, Government, Crises, Purges, Riots and Revolutions, conflict indices, and percentage of voters able to and actually participating in democracy, competitiveness of nomination process, size of legislature, size of representation, and size of biggest parties, fractionalization, head of states and government, type of regime, number of coups and major changes, effectiveness of legislature, number of Internet users, international status/reputation, electric power, steel and cement production, and rates of change in several of these variables.

- Source: Cross-National Time-Series Data Archive. Banks and Wilson 2015

- filename(s):CNTSDATA.xls
  Codebook.xls
  User's Manual.doc
  Independent States Since 1815.xls
  bibliography.xls
  2016 Edition Coverage.xlsx

6 Analysis and Prediction of Conflict

6.1 Armed Conflict Databases

6.1.1 Armed Conflict UCDP

- 2 Datasets from 1946-2014

- Lists armed conflicts with at least one nation-state involved. Includes location, primary disputants, primary supporters of each disputant, issue over which the conflict began, year, territory, conflict type (extrasystemic, interstate, internal and internationalized internal), intensity level, dates of conflict initiation and ending, date of particular episode beginning and ending (categorized by at least 25 deaths occurring), and region of conflict.

- Source: Pettersson and Wallensteen 2015 Gleditsch et al. 2002

- filename(s): codebook_ucdp_prio-armed-conflict-dataset-v4_2015.pdf
  ucdp-onset-conf-2014.csv
  ucdp-prio-acd-4-2015.xlsx

6.1.2 ACLED–African and Asian Conflicts

- 2 Datasets covering 1997-2016

- List of conflicts in Africa and Asia by date of occurrence, and type of incident (Violence Against Civilians, Battle with no Change of Territory, Remote Violence, Strategic Development, Riots/Protests, Battle-Government Regains Territory, Headquarters or Base Established, Battle-Non-State Actor Takes Over Territory, and Non-Violent Transfer of Territory.) Also includes actors involved, state and administrative location, exact location, Lat/Long coordinates, and notes on the conflict typically including casualty rates.

- Source:Raleigh et al. 2010

- filename(s): ACLED-All-Africa-File_20160101-to-20160716.xlsx
  ACLED-Asia-June-2016-Complete.xlsx
  ACLED-Asia-May-2016-Complete.xlsx
  ACLED-Asia-April-2016-Complete1.xlsx
  ACLED-Asia-March-2016-File-Complete.xlsx
  ACLED-Asia-February-2016-File-Complete.xlsx
  ACLED-Asia-January-2016-Complete-2.xlsx
  ACLED-Asia-Running-file-January-to-December-2015-V2.xlsx
  ACLED-Version-6-All-Africa-1997-2015_dyadic_actordyads.xlsx
  ACLED-Version-6-All-Africa-1997-2015_dyadic-file.xlsx
  ACLED-Version-6-All-Africa-1997-2015_monadic-file.xlsx
  ACLED_Codebook_2015.pdf
  ACLED-Version-6.zip

6.2   Political Violence

- Dataset from 1946-2015 (extended edition to 2012)

- Major Episodes of Political Violence, by year, score, independent vs. non-independent state, magnitude of violence associated with independence, international violence, international warfare, civil violence, civil warfare, ethnic violence, ethnic warfare and total levels of violence in that state for a particular year. In extended data set, also includes number of countries sharing a border with that state, and number and names of countries with interstate warfare, civil warfare, or all warfare, as well as number of states with these variables in the region of the country examined.

- Source: Marshall 2016

- filename(s): MEPVcodebook2015.pdf
  MEPV2015.xls
  MEPV2012ex.xls

6.3   Intrastate Conflict

- Dataset from 1993-2004

- Low-intensity and regular conflicts within states by year by dyad, with at least one member being a state. Includes actors involved, country and region dispute is taking place in, indicators for whether conflict is over government or territory, start and end of conflict, years of activity, third party involvement, name and type of third party actor (IGO, international organization, UN UNSC permanent five, foreign state etc.), warring parties, attempts to resolve dispute, including indirect/direct/unclear/bilateral talks, arbitration, fact finding, observer mission, peacekeeping operations, as well as whether the conflict reaches the level of civil war, and if so, for what years it does.

- Source: Melander, Möller, and Öberg 2009 Croicu, Nilsson, and Wallensteen 2013

- filename(s): milc-10-codebook.pdf
  279399_1ucdp_mic_codebook_2013.pdf
  milc-10.xls
  micFINAL.csv

6.4   Non-State Conflict

- Dataset from 1989-2014

- Armed conflicts with at least 25 deaths between two groups, neither of whom are a state. Includes organization level of both sides (formally organized group, informally organized group based on common political basis or informally organized group based on ethnic, religious, national or tribal lines), names and participants in conflict, start date of conflict, end date of conflict, episode start and end date, low/high/best fatality estimates, state conflict takes place in, and region.

- Source: Sundberg, Eck, and Kreutz 2012

- ucdp-non-state-conflict-dataset-codebook-v25-2015.pdf
  ucdp-nonstate-25_2015.xlsx

6.5   One-Sided Conflict

- Dataset from 1989-2014

- Dataset of use of force by government or armed groups against civilians. Includes actors involved, year of event, best/high/low fatality estimates, whether the perpetrator was a government actor, the location of the event and the region it took place.

- Source: Eck and Hultman 2007 Sundberg 2009

- ucdp-one-sided-violence-dataset-codebook-v.1.4-2015.pdf
  ucdp-onesided-14_2015.xlsx

6.6 External Involvement in Conflict

- Dataset from 1975-2009

- Alleged or clear external incidents of support from states to warring parties. Includes warring parties, conflict, location of conflict, whether the external supporter exists or is alleged to exist, the name of the external supporter, the type of support provided by the external party (troops, access to military/intelligence infrastructure, access to territory, weapons, materiel/logistics, training/expertise, funding/economic support, intelligence material, other support, or unknown support), and description of support provided.

- Source: Högbladh, Pettersson, and Themnér 2011

- ucdp_external_support_disaggregated_codebook_1.0.pdf
  extsup_large.xls

6.7 Termination of Conflict

- Dataset from 1946-2014

- Dataset counts conclusions to conflict by type. Includes conflict id and conflict episode, year, location, sides of conflict, disagreement oer issue, territory name for territory disagreements, intensity level of conflict, type of conflict (extrasystemic, interstate, internal and internationalized internal conflict), start/end date, episode start/end, early outcome (peace,ceasefire, victory for one side, low activity, actor ceases to exist), final outcome, ceasefire date, and peace agreement date.

- Source: Kreutz 2010

- ucdp-term.pdf
  ucdp-term-conf-2015.xlsx

6.8 Predicting Conflict and Big Data

- Dataset 1902-2013

- Code necessary for replication of results of early predictors of conflict in R as well as data set present. Includes data obtained from searching Google News for occurrences of words related to conflict and comparing to interstate and intrastate conflict.

- Source: 2016 ENS Conference. Chadefaux 2014

- filename(s): JPR_Chadefaux.Rdata

6.9 Instability and Latent Dirichlet Analysis from Newspaper Reports

- 4 Datasets cover 1975-December 2015

- Paper creates a panel dataset, which summarizes expert information over a long time period into a tractable number of variables. We summarized around 700,000 newspaper articles into topics by using machine learning. In order to reduce the high dimensionality of our data set, the authors use the latent Dirichlet allocation (LDA) to model topics. The authors use this technique to learn what share of each topic each article is written about. As a last step they aggregate all articles at the country/year level and use appearance and disappearance of these topics to predict conflict out-of-sample. For a more complete description of the methods used and contact information, please see filenames.

- Source: Mueller and Rauh 2016

- filename(s): summary_LDA[42073].docx

6.10 Economics of Nationalism

- Dataset from 2001-2007

- AEA Economic Policy paper uses Chinese political compass and World Values survey to compare measures of nationalism in China and across countries and compares them to other geographic factors like geographic openness, economic openness (as measured by trade ratio with GDP) etc.

- Source: Lan and Li 2015

- filename(s): economics of nationalism.pdf
  2013-0020_data

6.11 Integrated Crisis Early Warning System [ICEWS]

- Dataset from 1989-2016

- Includes historical actors and automatically compiles historical threatening events from historical news articles and the actors involved and uses them to attempt to predict upcoming threats to stability in different countries.

- Source:

- filename(s): Coded Event Data
  Dictionaries
  Event Aggregations
  Ground Truth Data Set

6.12 CrisisWatch

- Dataset from 2010-2016

- Online text based repository of all international crises with description of when and where crisis took place, actors involved, and trend of crisis.

- Source: "CrisisWatch: Tracking Conflict Worldwide" 2016

- filename(s): Database

6.13 GDELT

- Dataset from January 1,1979-2016 (ongoing)

- Catalogues all mentions of any events online or in print news in 65 languages and then collects all articles together based on unique events identified. Updated every 15 minutes. Includes time, location of events, number of additional references to event, languages mentioning event, countries mentioned, major actors involved, including known group, country origin, ethnicity, religion and type (role in society... e.g. rebels or Military),importance of event, number of mentions and references, local sentiment towards events, how events will impact stability of country, themes related to event, event discussion and related events, and confidence of algorithms in assessment of themes of event.

- Source: "The GDELT Project" 2016

- filename(s): Datafiles are hosted on GoogleBigQuery at:
  https://bigquery.cloud.google.com/table/gdelt-bq
  or on GDELT's website at:
  http://www.gdeltproject.org/data.html#gdeltanalysisservice
  Examples are available here:
  http://blog.gdeltproject.org/a-compilation-of-gdelt-bigquery-demos/
  GDELT-Global_Knowledge_Graph_Codebook-V2.1.pdf
  GCAM-MASTER-CODEBOOK.TXT
  masterfilelist.txt
  masterfilelist-translation.txt

7 Development and Stability

7.1 Coups

7.1.1 Cline Center Coup D'état Project

- Dataset from 1946-2005

- Indicator dataset. Includes Correlates of War ID, Country where Coup took place, date of event, type of coup (realized, attempted, or conspiracy), and indicators for primary agent (military, rebel, palace popular revolt, dissident action, forced resignation, counter-coup, auto-coup or ambiguous coup), what happened to the incumbent, including whether they were injured, arrested, or fled the country, whether the military, non-government organizations, radicals, rebels, business leaders, labor activists, academics, religious leaders, ethnic leaders, ordinary citizens, mercenaries and foreign actors were involved in coup, indicators if anyone other than the incumbent was killed, injured or arrested, and finally indicators for the degree of weapons involved in the coup, from no weapons, crude weapons and small arms, to explosive devices and military grade weapons were involved.

- Source: Nardulli et al. 2013

- filename(s): CoupData.xls
  CoupEventDescriptions.pdf
  CoupInventory.xls

7.1.2   Coup U. Kentucky

- Dataset from 1950-2010

- Summary of other works on coups and whether specific events are considered coups according to multiple definitions. Includes summary of several successful and unsuccessful coups as coded by different indices of coups, as well as country where it took place.

- Source: Powell and Thyne 2011

- filename(s): Coup Dataset Powell.txt

7.1.3   Systemic Peace Yearly Coups

- Dataset from 1946-2015

- Includes all attempted or realized coups from 1946 to 2015 in countries with populations larger than 500,000. Includes country, date of coup, whether coup was successful, attempted, plotted or alleged, leader of coup, deaths from coup, adverse regime change in which polity score falls by 6 points. For annual data, includes number of successful coups that year, number of attempted, but failed coups that year, number of coup plots, and number of alleged coups. Also includes non-coup events that are also listed solely in the codebook, including auto-coups, ouster of leadership by foreign forces, ouster of leadership by rebel forces, assassination of executive, coerced resignation of executive.

- Source: Marshall and Marshall 2016

- filename(s): CSPCoupsAnnualv2015.xls
  CSPCoupsCodebook2015.pdf
  CSPCoupsListv2015.xls

7.2 Political Instability

7.2.1 State Fragility Index

- Dataset from 1995-2014

- Calculates legitimacy of states with population larger than 500,000 based on 4 point factors including: Security Effectiveness (measured based on Episodes of Political Violence Dataset, which acts as a general measurement of stability and susceptibility to political violence), Security Legitimacy (measured on Political Terror Scale, which accounts for human rights violations in the course of law enforcement), Political Effectiveness (Regime Stability variable from Polity IV dataset), Political Legitimacy (Government inclusion taken from Polity IV dataset), Economic Effectiveness (GDP per capita in constant USD), Economic Legitimacy (Share of Export Trade in Manufactured Goods), Social Efficiency (Human Development Index) and Social Legitimacy (Infant mortality rate). This is rescaled to a 25 point index of which 13 points are composed of effectiveness indicators, and 12 points are composed of legitimacy indicators. The lower the score, the better for stability, with 0 being the lowest possible score. Additionally, several other indicators are included, such as whether the nation is currently at war or has recently been, the government type of the nation and net oil production.

- Source: Marshall and Cole 2014

- filename(s): SFImatrix2014c.pdf
  SFIv2014.xls

7.2.2 Political Instability Task Force

- Dataset from 1955-2015

- Includes data on ethnic conflict, revolutionary war, adverse regime change, and genocide/politicide. Each entry is listed by the most prevalent form, so is only listed once for each of the four datasets. Includes 167 countries, and data including year, event beginning and end, event type, description of event. For ethnic conflict or revolutionary war, it includes scaled number of revolutionaries/activists, scaled fatalities per year and scaled proportion of the country affected by violence. For adverse regime change, it includes scaled failure of state authority, scaled collapse of democratic institutions, scaled violence associated with regime transition, and type of regime transition. For genocide/politicide, it includes scaled casualties associated with genocide or politicide.

- Source: Marshall, Gurr, and Harff 2016

- filename(s): PITFProbSetCodebook2015.pdf
  PITF Adverse Regime Change 2015.xls
  PITF GenoPoliticide 2015.xls
  PITF Consolidated Case List 2015.pdf
  PITF Ethnic War 2015.xls
  PITF Revolutionary War 2015.xls

7.3 Homicides

- Dataset from 1960-2015

- Homicides per 100,000 people per country per year.

- Source: World Bank 2016g

- filename(s): 14299609-d87f-4c32-9f43-f38fe904bfd7_Data.csv
  14299609-d87f-4c32-9f43-f38fe904bfd7_Definition and Source.csv

7.4 Indicators of Equality, Development, Political Stability

- Indicator variables on levels of gender, religious, racial equality as measured by anti-discrimination laws, participation of women in government, etc. Also considers scales of 1-6 to rank everything from macroeconomic stability to rule of law and equality.

- Dataset 1960-2015

- Source: World Bank 2016e World Bank 2016n World Bank 2016d World Bank 2016f

- filename(s): 5e9d2fdb-4bf4-4a94-b5c2-af89e03fd4a0_Data.csv
  5e9d2fdb-4bf4-4a94-b5c2-af89e03fd4a0_Definition and Source.csv

7.5 Drugs

- Dataset from 1994-2000

- Dataset accounts for opium production in regions of Afghanistan as well as the impact of various control policies including eradication and supplemental income streams, through an analysis of supply and demand elasticities. Data comes from a combination of electronic and hard copy editions of Afghanistan-specific reports from the United Nations Office on Drugs and Crime's Illicit Crop Monitoring Program.

- Source: Clemens 2008

- filename(s): clemens.pdf
  Supply Elasticity Estimation Replication Data(754).xls

7.6   Education Levels

- Dataset from 1950-2010

- Historical collation of education levels by country over time. Includes year, country, indicator for the independence of country, code for integration with correlates of war datasets, average years of education for those 15 and older, average years of education for those 25 and older, and a seven year moving average of education levels for 15 and older, and 25 and older.

- Source: P. Nardulli, Peyton, and Joe Bajjalieh 2010a

- filename(s): EducationVarDescription.pdf
EducationAttainment.xls

7.7   Rule of Law

- Dataset from 1816-2010

- Data includes two composite indices, legal order and legal infrastructure. Legal order attempts to capture a "country's efforts to embed a law-based order in its constitution," while legal order attempts to capture "the status of the county's legal infrastructures,"[1] both of which, the authors claim, have ties to economic performance via P. Nardulli, Peyton, and Joe Bajjalieh 2010b. Legal order is calculated from indicators for whether the constitution includes provisions for equality, whether elected officials have to take an oath and affirm to uphold the constitution, whether the judiciary holds rights for interpreting the constitution, and whether individuals are protected from unjustified detention, from illegal actions, and from punishment without law. Additionally, there are several judicial variables also included, such as a fixed term for judicial members, judicial selection process constitutionally specified, constitutional provisions specifying removal, and whether judicial salaries are guaranteed in the constitution. These indicators are further imbued with a temporal element by having the indicator take on a higher value for more years that it has been in place. Legal infrastructure is based on the size, age, and diversity of legal journals and the number of cumulative legal education years. Legal order takes on a range of values from 1–5, while legal infrastructure takes on a possible range of 1–7.

- Source: P. F. Nardulli, Peyton, and Joseph Bajjalieh 2013

- filename(s): SSRN-id1668660.pdf
SIDRuleofLawMeasures.csv

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1. P. F. Nardulli, Peyton, and Joseph Bajjalieh 2013, p. 142.

7.8 Aid

- 13 Datasets cover 1980-2016

- Map of world bank, and African development bank projects by location and cost, organization, country of receipt, target event for aid (if relevant) and start and end date.

- Source: Strandow et al. 2011

- filename(s): aiddata_3.0_usersguide_july_2014.pdf
  worlddev_2011_gis-aid1.pdf
  AfDB_2009_2010_AllApprovedProjects.xlsx.zip
  AfghanistanAIMS_GeocodedResearchRelease_Level1_v1.1.1.zip
  aid_locations_during_civil_wars_south_of_sahara.zip
  aiddata_china_1_1_1.xlsx.zip AidDataCore_ResearchRelease_Level1_v3.0.zip
  AllWorldBank_IBRDIDA.csv.zip ColombiaAIMS_GeocodedResearchRelease_Level1_v1.1.1.zip
  DRC-AIMS_GeocodedResearchRelease_Level1_v1.3.1.zip
  HondurasAIMS_GeocodedResearchRelease_Level1_v1.3.1.zip
  Malawi_release_17april2012.xlsx.zip
  NepalAIMS_GeocodedResearchRelease_Level1_v1.4.1.zip
  AidDataNepalEarthquake_GeocodedResearchRelease_Level1_v1.0.zip
  NigeriaAIMS_GeocodedResearchRelease_Level1_v1.3.1.zip
  SenegalAIMS_GeocodedResearchRelease_Level1_v1.5.1.zip
  UgandaAIMS_GeocodedResearchRelease_Level1_v1.4.1.zip

8 Political Institutions and Events

8.1 Government Type

8.1.1 Democratic vs. Autocratic

- Dataset from 1800-2015

- Ranks nations on a scale from -10 to +10 on a yearly basis that shows the effects of sudden or gradual political transitions. The more negative a nation is, the more autocratic, while higher nations are more democratic. Nations are classified into three categories: autocratic, anocratic, and democratic. Also includes number of years current polity has existed, durability of current polity, extent of political fragmentation, if any, interruption, interregnum and transition periods and dates of regime transition, as well as whether transition was successful. Additionally, includes degree of political competition, executive constraints and degree of electoral participation.

- Source: Marshall, Gurr, and Jaggers 2016

- filename(s): p4manualv2015.pdf
  p4v2015.xls

8.1.2 Democratic Government Type

- Dataset from 1946-2008

- Records whether a government falls within one of six government types: Parliamentary democracy, mixed democracy, presidential democracy, civilian dictatorship, military dictatorship or royal dictatorship. Also assesses various attributes of the government over time, including: mode of executive selection, mode of legislative selection, legal status of parties (de jure), existence of parties (de facto), collective leadership as executive, changes in nominal/effective head of government per year, past military experience of executive, royal status of executive, names of executive leader, length of tenure of head in power, transition from democracy to dictatorship or vice-versa, dummy for regime change, age of current regime, and sum of past transitions to authoritarianism in a country among others.

- Source: Cheibub, Gandhi, and Vreeland 2010

- filename(s): Cheibub Gandhi Vreeland Democracy and Dictatorship Revisited.pdf
  ddrevisited codebook v1.pdf
  ddrevisited_data_v1.xls

8.2 Colonial Dependency Relations

- Dataset 1816-2005

- Records the periods during which powers were colonies/subordinates of other powers, as well as what powers were in charge of them and how separated each power was.

- Source: Correlates of War "Colonial/Dependency Contiguity Data, 1816-2002" 2003

- filename(s): Colonial Contiguity v3.0.csv
  Colonial Contiguity v3.0.pdf

8.3 International Membership

8.3.1 Interstate System

- Dataset 1816-2004

- Records great powers by year (Majors), as well as when states become and left the international interstate system (UN, League of Nations etc.) (States).

- Sources: Correlates of War Correlates of War Project 2005

- filename(s): States2004.csv
  Majors2004.csv
  System2004.csv
  State Codebook 2004.1.pdf

8.3.2   Intergovernmental Organization Membership

- Dataset from 1952-1997

- Includes 380 individual intergovernmental organizations and records which countries were part of which groups per lustrum. Additionally, calculates a 'connectedness' value from the number of organizations which an individual country was a member of. Finally, also includes regional classification of country for years covered.

- Sources: Marshall, Marshall, and Young 1999

- filename(s): CIOCodebook.pdf
  CIOdata.xls

8.4   Intergovernmental Organizations

- Dataset from 1815-2003

- Includes historic and current international governmental organizations for the years they were in existence, with full members, partial members and observers listed. The criteria for inclusion is that the group be made up of at least 3 sovereign states, that it have a well-defined secretariat and headquarters, and that it holds sessions at least once every 10 years.

- Source: Correlates of War. Pevehouse and Nordstrom 2003

- filename(s): IGO_stateunit_v2.1.csv
  IGO_stateunit_v2.1.zip
  IGO_igounit_v2.1.csv
  IGO_igounit_v2.1.zip
  IGO_dyadunit_v2.1.csv
  IGO_dyadunit_v2.1.dta
  IGO_codebook_v2.1.pdf

8.5   Social/Political Events or Actors

8.5.1   Social, Political and Economic Events Database (SPEED)

- Dataset from 1946-2005

- Covers any sort of social, political or economic unrest by time-span of event, name of group initiator, country where event occurred, group victim, geospatial data, category of attack, number injured/killed if relevant, intensity of event, causation of event, and types of weapons/damage done.

- Source: Cline Center 2016

- filename(s): SPEED-Codebook.pdf
  ssp_public.csv

8.5.2   Sanctions

- Dataset from 1945-2005

- Sanction or threatened sanctions in order to change political behavior
  as defined by start and end of sanction, imposers of sanction, primary
  imposer, target state, whether the sanctions were conducted through an
  international institution and the identity of that institution, goal of sanc-
  tions (contain political influence, contain military behavior, destabilize
  regime, release citizens/property/material, solve territorial dispute, deny
  strategic materials, retaliate for alliance, improve human rights, end weapons
  proliferation, end support of non-state actor, punish drug trafficking prac-
  tices, improve environmental policies, trade practices, implement economic
  reform, or other). the authority of the individual/group who threatened
  the sanctions (including subnational groups such as threats by individual
  legislators), sanction type threatened (total or partial economic embargo,
  import restriction, export restriction, blockade, asset freeze, termination
  of foreign aid, travel ban, or suspension of economic agreement), how
  specific offending behavior was, sender commitment, threatened target
  interest category, diplomatic sanctions, carrots (positive proposals), an-
  ticipated economic costs for target and sender, and final outcome.

- Source: Morgan, Bapat, and Kobayashi 2014

- filename(s): tiesusersmanualv4.pdf
  TIESv4.xls

8.5.3   Refugees

- Dataset 1964-2008 (Data missing for 1973, 1975, 1979)

- Measure of global forcibly displaced populations by year. Includes Coun-
  try Name, Region code, Number of refugees originating in country (in
  thousands), number of internally displaced populations in named country
  (in thousands), number of refugees hosted by country (in thousands) in
  both country-case format and time series format ('a' version.)

- Source: USCRI 2008 comp. in Marshall 2008

- filename(s): FDPCodebook2008.pdf
  FDP2008.xls
  FDP2008a.xls

8.5.4   Political Terror Scale

- Dataset from 1976-2014

- Measures political violence based on a qualitative 1-5 scale developed by Freedom House per country per year, that is compiled from aggregated reports from Amnesty International, the US State Department, and Human Rights Watch. The scale ranges from countries where rule of law is in place, there is no imprisonment for expressing particular views and torture is exceptionally rare (1) to countries where terror is regularly used on the entire populace to advance ideological or political goals (5). Data also includes regions, indicators for merging with other datasets like COW and World Bank, and separate scores based on the state department and amnesty scores.

- Source: Wood and Gibney 2016

- filename(s): PTS2015.xls

9   Terrorism

9.1   Global Terrorism Database

- Dataset from 1970-2014

- Includes list of terror attacks by date, country of incidence, region of incidence, perpetrator type involved (insurgency, intergroup conflict, other), geographic location latitude and longitude, city and province/state of incidence, location name, damages, casualties, description of incident, multiple attacks, success indicator, suicide indicator, attack type (assassination, armed assault, bombing/explosion, hijacking, barricade incident , kidnapping, facility/infrastructure attack, unarmed assault, unknown), target type (Business, Government(General), Police, Military, Abortion Related, Airports & Aircraft, Government (Diplomatic), Educational Institute, Food or Water Supply, Journalists & Media, Maritime, NGO, Other, Private Citizens and Property, Religious Figures/Institutions, Telecommunication, Terrorists/Non-state Militias, Tourists, Transportation (Non-aviation), Unknown, Utilities, or Violent Political Parties), target subtype, owning corporation, target name, nationality of target, group name, motive, number of perpetrators, claim of responsibility, mode of claim, weapon type (Biological, Chemical, Radiological, Nuclear, Firearms, Explosives/Bombs/Dynamite, Fake Weapons, Incendiary, Melee, Vehicle, Sabotage Equipment, Other, Unknown), and indicators for reason.

- Source: Global Terrorism Database.[2] START 2016

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2. Temporary access for review. Not for replication. For use in research papers, please use online database at http://www.gtd.org.

- filename(s): globalterrorismdb_0615dist.xlsx
  GTD_Codebook_2015Final.pdf

9.2   WITS:Historical US Terrorism Database

- Dataset from 2004-2010

- Historical Database run by the US government discontinued in 2010. Now incorporated into Global Terrorism Database above. Used in Krueger 2007.

- Source: NCTC 2012 START 2016

- filename(s): readme3.doc
  diurnal.doc
  wits.dta
  charts.do

9.3   Attitudes and Terrorism

9.3.1   Gallup

- Data from 2005-2016

- Gallup World Poll measures sentiments of populace in 160 countries to determine attitudes towards 5 major powers (U.S., China, Russia, E.U. and Germany) and their leadership on a variety of issues and cross-links that with data on views on international and domestic economic, social and political issues. This data was also used linked via correlation to terror attacks in Krueger 2007

- Source: Gallup 2016

- Available items with subscription are listed here: WorldPollItems.pdf. Replication of Krueger results available at: appendix2_1.doc
  appendix2_1.do
  count.dta
  event4.dta
  krueglait.dta
  trade.dta

9.4   Drone Strikes

- 3 Datasets covering 2002-2016

- Datasets reporting location and casualty rate of individual U.S. drone strikes in Yemen, Afghanistan, Pakistan, and Somalia, as well as number of civilian vs. military casualties.

- Source: The Bureau Investigates 2016

- filename(s): Afghanistan- US air and drone strikes, 2015 to present.xlsx
  CIA and US military drone strikes in Pakistan, 2004 to present.xlsx
  US strikes in Somalia, 2007 to present.xlsx
  US strikes in Yemen, 2002 to present.xlsx

9.5 ITERATE

- Dataset from 1968-2013

- Records all terrorist attacks and hijacking of airplanes. Includes data on the location of the attack, the type of target, the nationality of the terrorist and individuals killed, whether the attack was state-sponsored or not, and government officials injured or killed.

- Source: ITERATE. Mickolus et al. 2014

- filename(s):Fate1978to1991.xls
  Hostage1978to2005CorrectedJune2006(2).xls
  ITERATE COMMON FILE (Y) 1968-2002.xls
  ITERATE COMMON FILE (Y) 2008.xls
  ITERATE COMMON FILE (Y) 2009.xlsx
  ITERATE COMMON FILE (Y) 2010.xls
  ITERATE COMMON FILE (Y) 2011.xls
  ITERATE COMMON FILE (Y) 2012.xls
  ITERATE COMMON FILE (Y) 2013.xls
  ITERATE_COMMON_FILE_(Y)_2007.xls
  ITERATECOMMONFILE(Y)2003.xls
  ITERATECOMMONFILE(Y)2004.xls
  ITERATECOMMONFILE(Y)2005.xls
  ITERATECOMMONFILE(Y)2006.xls
  Skyjack1978to1991.xls
  ITERATETERRORISTGROUPLIST2006.doc
  ITERATE Codebook 2013.doc

9.6 Suicide Attack Database

- Dataset from 1982-December 2015.

- List of suicide attacks conducted by terrorist groups around the world with two verified sources. Includes country or countries, year conducted, relevant campaign, target name, location of target (down to city level), type (civilian , security, political, unknown), actor group (as well as group motivations), weapon type (car bomb, belt bomb, airplane, other, or unknown), gender of the attacker, name and motivation of the attacker, birthplace and birth-year of attacker, age, occupation, religion (or secular), education level, and marital status.

- Source: CPOST 2016

- filename(s): summary.csv Online Database

9.7   RAND DWTI

- Dataset from 1968-2009

- List of Terror Attacks by Location of Incident (City and Country), Perpetrator Group (includes groups by affiliation), Weapons, Injuries, Fatalities, Description. Around 40,000 entries.

- Source: RAND 2010

- filename(s): RAND_Database_of_Worldwide_Terrorism_Incidents.csv

9.8   High Casualty Terrorism Bombings

- Dataset from 9/11/1989 - 9/10/2014

- Includes date, country of location, number of casualties.

- Sources: HICD 2014

- filename(s): HCTB2014.xls
  HCTBSep2014list.pdf

10   Geospatial and Human Geography

10.1   Ethnic Distributions

10.1.1   Mapping of Ethnic Distributions

- Dataset from 1964

- Shape files of 929 ethnic groups from the Soviet Atlas Narodov Mira. Total of 1248 groups in atlas.

- Source: Weidmann, Rød, and Cederman 2010

- GREG_0vV.zip
  GREG_0vV.kml
  groups.xls

10.1.2   Politically Involved Ethnic Groups

- Dataset from 1946-2013

- The Ethnic Power Relations Dataset identifies all politically relevant ethnic groups and their access to state power. Codes the degree to which each ethnic group held executive-level state power and whether that group rules alone (as an overt monopoly or as a dominant power), shares power (either as a senior or junior member), or is excluded (due to it either being powerless without discrimination, or explicit discrimination or self-exclusion.) Data can also be integrated into PRIO Grid (mentioned below) or UCDP Armed Conflict Database (mentioned previously) for fine-grained analysis.

- Source: Vogt et al. 2015

- EPR-2014_Codebook.pdf
  ACD2EPR-2014_Codebook.pdf
  EPR-2014.csv
  geoepr2priogrid.zip
  ACD2EPR-2014.csv

10.1.3   Population of Ethnic Groups

- 2 Datasets from 1945-2013

- Percentage of total population each ethnicity makes up by country by year for 160 countries (and their historical predecessors). Ethnic groups come from National Geographic's "Book of Peoples of the World: A Guide to Cultures."

- Source: Nardulli et al. 2012

- filename(s): CREG_Data_Description.pdf
  CREG-White_Paper.pdf
  EthnicGroupsWide_v1.02.csv
  EthnicGroupsLong_v1.02.csv
  Average Change Rates, by country.xls

10.2   Religious Distributions

- 2 Datasets from 1945-2013

- Percentage of total population each religion makes up by country by year for 160 countries (and their historical predecessors).

- Source: Nardulli et al. 2012

- filename(s): CREG_Data_Description.pdf
  CREG-White_Paper.pdf
  ReligiousGroupsWide_v1.02.csv

ReligiousGroupsLong_v1.02.csv
Average Change Rates, by country.xls

10.3 Location of Militarized Disputes

10.3.1 UCDP GED

- Dataset from 1989-2014

- Includes all events where one organized actor targeted another organized actor or civilians causing at least one death. Includes date of event (down to day), type of violence (state-based conflict, non-state based conflict, one-sided violence), actors involved, conflict name to which incident belongs, description of event and source link to articles that mention event, location of where event took place and its coordinates with possible range from exact coordinates, to which country event took place in, the PRIO-grid cell where the event took place, country where e vent took place, region where event took place, date start end, deaths from each side/civilians and best/high/low estimates of total fatalities.

- Source: Sundberg and Melander 2013
  Croicu and Sundberg 2015
  Croicu and Sunberg 2012

- filename(s): UCDP GED 4.0 codebook.pdf
  UCDP GED Conflict Polygons Codebook version 1.1-2011.pdf
  ucdp-ged-polygons-v-1-1-codebook.pdf
  ged40.csv
  Polygon

10.3.2 PRIO Grid of Conflicts

- Dataset from 1946-2008

- Divides globe up into grid and measures conflict per year in each grid location. Also includes sites of individual conflicts over time. Uses v1.1 of PRIO Grid only.

- Source: Tollefsen, Strand, and Buhaug 2012a

- filename(s): PRIO-GRID_codebook_v1_01.pdf
  priogrid_v1_01.zip
  priogrid_shapefiles.zip
  conflict_v1_01.zip
  confsitegrid_v1_01.zip
  confsiteoldgrid_v1_01.zip
  Additional Indicators for v1.01:
  distance_v1_01.zip
  geoepr_v1_01.zip

globcover_v1_01.zip
nordhaus_v1_01.zip
physclimate_v1_01.zip
socioeco_v1_01.zip

10.3.3 COW Military Disputes Locations

- Dataset from 1816-2001

- Details geographic location of onset of conflict between 1816-1992. After 1992, identifies a single point for each incident within one conflict, gives incident name, conflict name, start/end date of incident, and latitude/longitude of incident.

- Source: Braithwaite 2010

- filename(s): MIDLOC_v1.1_codebook.pdf
MIDLOC_1.1.csv

10.4 Population Centers

- 3 Datasets covering 3700BCE-2000

- List of major historical/modern cites by geographic location and population per year.

- Source: Reba, Reitsma, and Seto 2016

- filename(s): sdata201634.pdf
chandler.csv
chandlerV2.csv
modelskiAncient.csv
modelskiAncientV2.csv
modelskiModern.csv modelskiModernV2.csv

10.5 Political Divisions

- Dataset covers 1946-2016

- All current sub-national administrative divisions by country as shapefiles (for GIS systems) from GADM and historical boundaries at national level over time (with startdates and enddates for shape files) from CShapes from 1946-2015.

- Source: GADM 2012 Weidmann, Kuse, and Gleditsch 2010

- filename(s): gadm28.gdb
cshapes_0.5-1.zip

10.6   Resource/Landuse Distribution

- Dataset covers 1946-2014

- Major natural resources are included as part of PRIO-GRID. Includes data on location of petroleum deposits, alluvial (secondary) and kimberlite (primary) diamond deposits, gold deposits, surface gold deposits, goldveins, gem deposits, and large-scale drug cultivation. Also includes data on droughts, precipitation levels, main crop in area, aquatic vegetation, harvest area, growing seasons start and end, irrigation amount, agricultural coverage, urban coverage, pasture, forest, grasslands, shrublands, savanna, barren and water coverage.

- Source: Tollefsen, Strand, and Buhaug 2012b

- filename(s): PRIO-GRID-Codebook.pdf
  PRIO-GRID Yearly Variables for 1946-2014 - 2016-08-29.csv
  PRIO-GRID Static Variables - 2016-08-09.csv

10.7   Rainfall

- Four Datasets cover 1979-2001

- Measures rainfall data in Africa via three satellite based approaches and one survey based approach. The Global Precipitation Climatology Project (GPCP) records weather station rainfall gauge measurements and density of cloud cover to determine rainfall over a 2.5 latitude/longitude degree interval worldwide to produce millimeters of rainfall per day, averaged from monthly measurements. The National Centers for Environmental Prediction (NCEP) similarly measure rainfall, with the only major difference being in the selection methodology used. The UN Food and Agricultural Organization Climactic Data (FAOCLIM2) measures international rainfall levels via gauges in millimeters of rainfall per month per gauge station. This starts in 1800 for some countries, but becomes limited after 1990. Finally, the Normalized Difference Vegetation Index (NDVI) dataset measures the degree of absorption of red spectrum light into green plant biomass in all locations on earth, to generate an index of "lushness". This lushness, however, is highly correlated with rainfall levels (.9). Includes country code, name year, and annualized values at intervals of 2.5 degrees in sub-Saharan Africa in dataset.

- Source: Miguel, Satyanath, and Sergenti 2004

- filename(s): _Paper_Economic_Shocks_and_Civil_Conflict.pdf
  mss_africa_rainfall.tab
  mss_appendices.pdf
  mss_manual.pdf
  mss_rainfall.pdf

mss_rep_results.do
mss_rainfall.pdf
mss_repdata.tab
mss_rainfall.pdf
mss_rep_results.do
mss_repdata_feb07.tab
Readme.pdf
Replication Zip file.zip

10.8   Population, GDP, Proxies and Cultures

- Dataset from 1989-2014

- PRIO-Grid Includes data on population per grid square, GDP as predicted via Nordhaus and proxies like percentage urban and intensity of lights at night. It also includes each culture, nationality and religion that occupies a particular grid space.

- Source: Tollefsen, Strand, and Buhaug 2012b

- filename(s): PRIO-GRID-Codebook.pdf
  PRIO-GRID Yearly Variables for 1946-2014 - 2016-08-29.csv
  PRIO-GRID Static Variables - 2016-08-09.csv

11   Country Specific Data

11.1   Iraq

- Dataset from 2005

- Includes data on number of terrorists captured, as well as religious fractualization of Iraq, and key economic and social development indicators.

- Source: Krueger 2007

- filename(s): source.doc
  iraqsource.doc
  app2A_2.do
  iraq.dct
  iraq3.dta

11.2   Palestinian Attitudes

- Dataset from 2000-2011

- Measures monthly Palestinian attitude in the West Bank and Gaza Strip on a number of key issues in the region, including attitudes towards Israel, support for terrorism, support for two state solution, and favorability toward foreign nations.

- Source: Shikaki and Ladadweh 2002

- filename(s): PCPSR

11.3   Indian Instability and Crime

- 2 Datasets covering 1954-2006

- Includes local Indian data on riots, murders, dacoity, violent conflicts, and the intensity of those events, drawn from local news accounts. Includes state of incident. Also includes population size and police presence. For violent conflicts it includes data on whether the national or local government got involved, the type/magnitude of event (ranging from warfare to terrorism), begin and end dates of event, conflict actors and targets, total deaths reported, geological scope, locality, ethnicity, caste, religious and political identity of those targeting and being targeted, and associated meta-conflicts or events that particular incident was part of.

- Source: Government of India, Ministry of Home Affairs, National Crime Records Bureau 2008 Marshall, Sardesi, and Marshall 2005

- filename(s): CIndiacodebook2006.pdf
  IndiaPScodebook2004.pdf
  IndiaPSevents2004.xls
  CIv2006.xls

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Appendix

Version 1.0

12 Appendix