# Codebook for
# Defending the Realm:
# The Appointment of Female Defense Ministers Worldwide

**Tiffany D. Barnes**
Assistant Professor
Department of Political Science
University of Kentucky
tiffanydbarnes@uky.edu

**Diana Z. O'Brien**
Assistant Professor
Department of Political Science
Indiana University
dzobrien@indiana.edu

| Variable Name | Coding Rules, Variable Description, and Data Sources |
|---|---|
| Year | Identifies the year. |
| Sname | Identifies the state name. |
| Ccode | Identifies the country code used by the Correlates of War project. |
| FFL_lead1 | Coded 1 if there was a female defense minister was appointed in the country year, 0 otherwise. Data comes from the World Wide Guide to Women in Leadership. http://www.guide2womenleaders.com/Defence_ministers.htm |
| AFFL_lead1 | Coded as 1 if there has not been a female defense minister appointed in a given country prior to the current year. Because our analysis is a duration analysis we do not include countries in our analysis after the first appointment is made. Data comes from the World Wide Guide to Women in Leadership. http://www.guide2womenleaders.com/Defence_ministers.htm |
| time | Mean centered measure of time. Specifically it measures the number of years since the first year the country was included in our analysis. The first year of observation is determined starting with the end of the cold war, the creation of a defense ministry, or since the declaration of independence (which ever comes later). We use a mean-centered measure of time. |
| self_appoint1 | Coded 1 if the female defense minister was also serving as the chief executive. 0=Otherwise. Data comes from the World Wide Guide to Women in Leadership. http://www.guide2womenleaders.com/Defence_ministers.htm |
| femeale_exe1 | Coded 1 if a female Executive is serving in this year. 0=Otherwise. Data comes from Jalalzai (2013). |
| prop_female | Percentage of women serving in the Parliament in a given country-year. Data comes from various sources: Paxton, Green, and Hughes (Women in Parliament, 1945-2003:Cross-National Dataset), The United Nationas, and Inter Parliamentary Union. We relied on extensive internet searches to fill in missing information. |
| involve | Coded 1 if a country was involved in peacekeeping. 0 otherwise. This data comes from Jacob D. Kathman, "United Nations Peacekeeping Personnel Commitments, 1990 to 2011." CMPS. |
| OECD | Coded 1 if a given country in that year has membership in the Organization for |

| | |
|---|---|
| | Economic Co-operation and Development. |
| deaths_any | Coded 1 if there is a fatal dispute in the previous year, and 0 otherwise. Data comes from the Correlates of War.<br>I used: MIDB_4.01.csv Data on MIDs from 1816-2010, at the participant level. Contains one record per militarized dispute participant.<br>http://www.correlatesofwar.org/ |
| labor_full | Measures women's involvement in the labor force. Specifically we use the Labor force participation rate for women (% of female population ages 15+ involved in the labor force). This data is modeled ILO estimate and was downloaded from the World Bank:<br>http://data.worldbank.org/indicator/SL.TLF.CACT.FE.ZS/countries<br>We used a lag stretcher to fill in missing Labor data. |
| left_exe1 | 1= The executive is from a "left party"; 0 = Otherwise. This information comes from the Database of Political Institutions.<br>They code the data as Left, Right, and Other. I recoded as Left and Other. |
| dems | Coded 1 if a country is a democracy and 0 otherwise. Data taken from Cheibub et al. 2010) |
| nodef | Coded 1 if No Defense Minister in State. 0= Defense Minister in State.<br>This information comes from the Database of Political Institutions.<br>The variable DEFMIN asks Is defense minister a military officer? Same as in MILITARY. If no one in the cabinet with such responsibility, or if there are no armed forces, then "NA". If there is no defense minister but the chief executive controls military directly, then same answer as in MILITARY. When DPI does not code this data for a given country or year, we rely on the CIA Chiefs of State and Cabinet Members of Foreign Governments to code missing cases. Then we used extensive internet searches to fill in any remaining missing cases. We include cases where there is an interruption in the appointment of defense ministers due to a failed state or state interruption provided there is a defense ministry in the period prior to and after the interruption.<br>We dropped all cases where nodefCoded 1 for our analysis (i.e., we only include cases in our analysis where there is a defense minister.) |
| mildef | Coded 1 if Defense Minister must be a Military Officer. 0=Otherwise. This information comes from the Database of Political Institutions.<br>The variable DEFMIN asks Is defense minister a military officer? Same as in MILITARY. If no one in the cabinet with such responsibility, or if there are no armed forces, then "NA". If there is no defense minister but the chief executive controls military directly, then same answer as in MILITARY. |
| both.conflicts | Coded 1 if a country is involved in an interstate conflict or intrastate conflict. Interstate conflict is identified by the COWproject requires a minimum of 1,000 battle-deaths (Singer and Small 1972, Small and Singer 1982). Introstate conflict is identified using the UCDP/PRIO Armed ConflictDataset (Gleditsch et al. 2002, Themnér and Wallensteen 2014) (25 battle-deaths). |
| recovery | Coded 1 if the state is within ten years of the end of any conflict with 25 or more fatalities (as coded by PRIO), and 0 otherwise. |
| internal_recovery | Coded 1 if the state is with in ten years of an internal or internationalized conflict coded by PRIO. Coded 0 if the conflict ended in this year. (10 years total) |
| dictator1 | Coded 1 if military dictator, 0 otherwise; Cheibub, Gandhi, and Vreeland 2010, 85-86 |
| botswana.dem | Coded 1 if military dictator, 0 otherwise; where Botswana in 2008 is not coded as a military dictatorship. Cheibub, Gandhi, and Vreeland 2010, 85-86 |
| parliamentary_c1 | Coded 1 if parliamentary, 0 otherwise; Cheibub, Gandhi, and Vreeland 2010, 85-86 |
| mixed_c1 | Coded 1 if mixed, 0 otherwise; Cheibub, Gandhi, and Vreeland 2010, 85-86 |

| | |
|---|---|
| dics | Coded 1 if a country is an authoritarian regime other than a military dictatorship (i.e., civilian dictatorship or monarchy). Cheibub, Gandhi, and Vreeland 2010, 85-86 |
| fmd1 | Coded 1 if former military dictator, 0 otherwise; Cheibub, Gandhi, and Vreeland 2010, 85-86 |
| fcd1 | Coded 1 if former civilian dictator, 0 otherwise; Cheibub, Gandhi, and Vreeland 2010, 85-86 |
| mil_spend | We use data from the Stockholm International Peace Research Institute and the COW National Material Capabilities Dataset to measure logged military spending in U.S. dollars (millions). |
| eu | Coded 1 if country is an EU member in the country year. |
| quota | Coded 1 if country has adopted a gender quota by the year identified in the data. (Data from: from Krook (2009) and the Quota Project (International IDEA & Stockholm University 2009) |
| unified | Coded 1 if government is unified (as opposed to coalition) and 0 for all other governments. Data comes from the Herfindahl Government Index (HERFGOV) from the DPI (Beck et al. 2001). |
| herfgov | = the Herfindahl Government Index (HERFGOV) as a continuous measure of the competitiveness of cabinet posts from the DPI (Beck et al. 2001). |
| hiprofile | Coded 1 if the country has had a female minister in a high profile post (i.e., foreign affairs and finance) in the preceding year. As with the DV the data begins in 1991. If a country had a female foreign minister prior to 1991 (but not again since 1991) it is not coded as 1.<br>The country is coded 1 from every year that there was a female foreign minister forward |
| wcombat | Coded 1 if women could serve on the front line. It identifies the year women were first allowed to serve on the front line and is coded 1 from that year forward. |
| pwomenmin_int | = Percent Female ministers in cabinet. This data is taken from Escobar-Lemon Taylor Robinson 2005, Bego, Claveria Alias, Arriola and Johnson 2014, IPU, UNDP. Missing data was interpolated and exterpolated from % female MP data in stata using the ipolate command and the epolate option. Please see online appendix for more details on this data. If you use this data please cite *all* of the original authors who collected the data. |
| recruit | =0 for conscription and 1= for voluntary. 1991 to 2004 comes from<br>Maldives is coded as voluntary for the entire period. This is the case from 2004 forward but we are uncertain about the prior period.<br>http://fmso.leavenworth.army.mil/documents/mildat/RecruitmentCodebook.pdf |
| cinc_ts | The Composite Index of National Capability (CINC) from the Correlates of War Project. The CINC measure combines six variables: total population, urban population, iron and steel production, energy consumption, military personnel, and military expenditures (Singer, Bremer and Stuckey 1972). |
| suffrage | The suffrage variable records the number of years that women have had suffrage. 0 indicates women did not have this right prior to this year; thus higher numbers are associated with longer periods of women's rights.<br>SOURCE: Les Femmes dans les Parlements 1945-1995 Etude statistique mondiale. Serie "Rapports et Documents", No. 23, Inter-Parliamentary Union |
| elect_w | The elect_w variable records the number of years women could legally be elected to office. 0 indicates women did not have this right prior to this year; thus higher numbers are associated with longer periods of women's rights.<br>SOURCE: Les Femmes dans les Parlements 1945-1995 Etude statistique mondiale. Serie "Rapports et Documents", No. 23, Inter-Parliamentary Union |

| | |
|---|---|
| office_w | The office_w variable records the number of years since the first woman was elected to office. 0 indicates women did not serve in office prior to this year; thus higher numbers are associated with longer periods of women's rights.<br>SOURCE: Les Femmes dans les Parlements 1945-1995 Etude statistique mondiale. Serie "Rapports et Documents", No. 23, Inter-Parliamentary Union<br><br>Do not have information for Cape Verde, Latvia, Liberia, Serria Leon, Nigeria, Djibouti, Tanzania, Kuwait, Qutar, EAU, Oman, |
| sizeofcabinet | The size of cabinet variable records the number of cabinet ministers<br>We rely primarily on Banks, Arthur S., Wilson, Kenneth A. 2016. Cross-National Time-Series Data Archive. Databanks International. Jerusalem, Israel; see http://www.databanksinternational.com<br>We use IPU to filling missing observations. |
| gdpppp | Coded as the gross domestic product converted to international dollars using purchasing power parity rates. An international dollar has the same purchasing power over GDP as the U.S. dollar has in the United States. GDP is the sum of gross value added by all resident producers in the economy plus any product taxes and minus any subsidies not included in the value of the products. It is calculated without making deductions for depreciation of fabricated assets or for depletion and degradation of natural resources. Data are in current international dollars. For most economies PPP figures are extrapolated from the 2011 International Comparison Program (ICP) benchmark estimates or imputed using a statistical model based on the 2011 ICP. For 47 high- and upper middle-income economies conversion factors are provided by Eurostat and the Organisation for Economic Co-operation and Development (OECD).<br>Downloaded from the World Bank. Indicator name: GDP, PPP (current international $). http://data.worldbank.org/indicator/NY.GDP.MKTP.PP.CD |
| FFHiPi | Coded 1 if there was a female minister was appointed to a high profile post (foreign affairs or finance) in the country year, 0 otherwise. Data comes from the World Wide Guide to Women in Leadership. |
| AFFHiPi | Coded as 1 if there has not been a female minister was appointed to a high profile post (foreign affairs or finance) appointed in a given country prior to the current year. This is used in conjunction with FFHiPi. Because the analysis of FFHiPi is a duration analysis we do not include countries in our analysis after the first appointment is made. |
| Defense_appoint | =1 if a female defense minister was appointed in that year. |
| defense_serve | =1 if a female defense minister served in that year. |