Preliminary Results

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Introduction

At the tail end of former President Trump's term, the rise of social unrest within the United States became an undeniable reality of American life. The Black Lives Matter movement and the recent violent insurrection of pro-Trump supporters at the Capitol are just two of the campaigns by U.S. civilians of dissatisfaction with U.S. institutions and state actors. The events associated with these protests garnered international attention mostly solidarity for the BLM movement and condemnation for the Capitol Hill riot—- but the ugly truths surrounding social movements in other countries, especially autocratic nations where governmental abuses are most egregious, often fly under the radar. Given this, we are interested in investigating social unrest globally and developing a better understanding of the power that grassroots movements hold in challenging governments. It is imperative to recognize that civil resistance is also far from monolithic; oftentimes, the seeds of the most visible campaigns are sown in the form of smaller movements. For example, while media and academia have recognized the political potency of the 18-day occupation of Tahrir Square in 2011 that led to the removal of Egyptian President Hosni Mubarak, there has been scant attention given to the efficacy of the concurrent wave of labor strikes and road-blocking demonstrations in the country at large. Literature on labor strikes and other acts of omission is particularly thin, as this form of protest is less visible than many of its counterparts [1]. As alluded to previously, the extent to which 'quieter' protests are understood in authoriarian regimes is particularly abysmal. Existing studies showing the success of small, tactical movements at acheiving political aims are limited to single-country analyses and only examine first-world countries [2]. The primary goals for this study are as follows:

- What are the most important determinants of a successful protest?
- What are the cumulative effects of repeated instances of social resistance against a given political target?
- Does the use of violence by a government lead to a 'chilling effect', whereby future protests are deterred?

Data

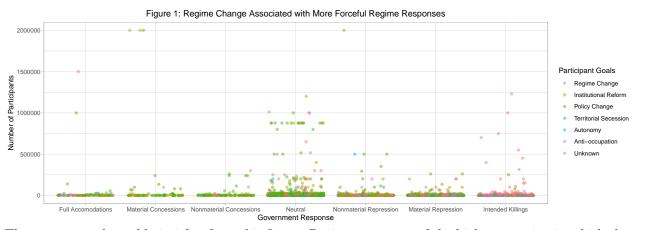
This paper uses the NAVCO 3.0 dataset assembled as part of the Nonviolent and Violent Campaigns and Outcomes (NAVCO) data project, the first and only project to collect systematic, global data on both violent insurgencies and nonviolent civil resistance campaigns [3]. This was done by manually coding variables of interest for events according to news reports. Coders used news wire reports from Agence France Presse (AFP), the world's oldest and a leading international news agency, to access relevant articles. After binning the articles according to country and time period of interest, coders followed a rigorous set of instructions specified by Chenoweth, Pinckney, and Lewis to identify relevant events and appropriately translate text in articles to values usable for data analysis.

There are two reasonable choices for response variables: (i) the regime response to campaign activity (ii) the number of fatalities or injuries caused due to campaign activity. This paper will primarily focus on the former response variable, as the number of casualties is intrinsically tied to the number of participants involved in the

campaign and is only tangentially related to efficacy. The predictor variables fall into seven main categories: location, date, perpetrator characteristics, perpetrator goals, perpetrator methods, target characteristics, and economic impact. We will focus heavily on the subset of predictors related to the methods that perpetrators utilize. Existing literature suggests that tactical innovation and the use of variant methods is critical for the success of civil resistance [4]. However, it is unclear which innovations are effective, warranting an analysis of the comparative utility of different forms of protest. For the cumulative effects research goal, we created a variable to track the number and magnitude of events in the three months prior to a major concession. The designation of a three month time frame was chosen based on the notion that social resistance movements rarely generate continued attention beyond several months following their conclusions.

```
# reclean data to categorize NA values in continuous variables as zero (assume no or negligble values f
df_clean[is.na(df_clean$damage), c("damage")] <- "minor"</pre>
df_clean[is.na(df_clean$econ_impact), c("econ_impact")] <- "none"</pre>
df_clean[is.na(df_clean$fatal_casu), c("fatal_casu")] <- 0</pre>
df_clean[is.na(df_clean$injuries), c("injuries")] <- 0</pre>
#df_clean[is.na(df_clean$num_partic_event), c("num_partic_event")] <- 0
# df_clean %>%
    filter(!is.na(nv_categ), !is.na(nc_type), !is.na(nv_commission),
           !is.na(nv_concentration))
## reorder variables actor_id, verb_10?, camp_goals, tactical_choice, st_posture
df_clean$actor_id <- factor(df_clean$actor_id, ordered = FALSE)</pre>
df_clean$camp_goals <- factor(df_clean$camp_goals, ordered = FALSE)</pre>
df_clean$actor_id <- factor(df_clean$actor_id, ordered = FALSE)</pre>
df_clean <- df_clean %>%
  dplyr::mutate(tactical_choice = factor(case_when(as.integer(tactical_choice) == 1 ~ 3.0, # violent (1
                              as.integer(tactical choice) == 2 ~ 1.0, # non-violent (2) --> 1
                              TRUE ~ 2.0), order = TRUE, levels = c(1, 2, 3)) # mixed(3) \longrightarrow 2
```

Exploratory Data Analysis



There are several notable insights from this figure. Regime responses of the highest severity, in which the regime resorts to repression with the intent of killing participants, appear to be triggered by campaigns in which participants are requesting regime change. This trend seems highly plausible: direct challenges against autocratic regimes would be likely to cause governments to lash out expeditiously and forcefully. Figure 1 also seems to offer some evidence for the idea that large campaigns with greater than 50,000 participants tend to elicit neutral regime responses.

Methodology

Determinants of Protest Success

To model the factors that influence protest success the most, we opted for an ordinal logistic regression model, otherwise known as a cumulative logit model for ordinal responses. Protest success will be simply defined as the response used by the government, with full accommodation denoting the highest level of success and material and/or physical repression resulting in death denoting the lowest. The response variable has seven levels in total. Since we are examining a classification problem with ordered classes, it would not be appropriate to use a multinomial logistic regression model nor other similar models for nominal variables. Other classes of models, including the ordered probit model, are also commonly implemented for classification problems involving an ordinal response variable. In contrast to the ordered probit model, logistic regression affords greater interpretability; the coefficients β in logistic regression allow for natural interpretations in terms of log odds. Hence, the logit link function is preferrable since the stated goals focus more on the interpretability of the predictors' relationships with the response. A cumulative logit model for an ordinal response with J levels is similar to a binary logistic model, as the levels 1 to j form a single category and the levels j+1 to j form a second category. The log-odds of falling at or below the category comprised of levels 1 to j has a linear relationship with the predictors. The logits of the cumulative probabilities are therefore given by the following form:

$$logit(P(Y \le j)) = \frac{P(Y \le j)}{P(Y > j)} = \alpha_j + \beta x, \ for \ j = 1, \ 2 \dots J - 1$$

The key assumption underpinning the ordinal logistic regression model is the proportional odds assumption, which implies that only a single set of coefficients is necessary for each covariate in the model. This is because the assumption states that the coefficients that describe the relationship between the lowest ordinal category versus all higher categories are the same as those that describe the relationship between the next lowest category and all higher categories, and so on. To determine how well each predictor upholds the proportional odds assumption, we created a function to calculate the log odds that governmental response was greater or equal to a given level of governmental response from individual logistic regressions with a single predictor. We then tested the equality of coefficients for a given predictor across its corresponding binary logistic regression models. The differences between the logits for each partition of the dependent variable should be similar for a given predictor regardless of that predictor's level if the proportional odds assumption holds. A visualization indicating the validity of the proportional odds assumption for our predictor set has been included in the appendix.

The base model containing relevant protest-level predictors is specified below:

```
logit(P(Government\ Response \leq j)) = \beta_{0j} + \beta_1 I(Scope_i = local) \\ + \beta_2 I(Scope_i = subnational) + \beta_3 I(Scope_i = national) \\ + \beta_4 I(Scope_i = international\ regional) + \beta_5 I(Scope_i = global) \\ + \beta_6 I(ActorType_i = state) + \beta_7 I(ActorType_i = non - state) \\ + \beta_8 I(ActorType_i = international) + \beta_9 I(ActorType_i = non - aligned) \\ + \beta_{10} I(ActorType_i = local\ state\ actor) + \beta_{11} I(Goals_i = regime\ change) \\ + \beta_{12} I(Goals_i = institutional\ reform) + \beta_{13} I(Goals_i = policy\ change) \\ + \beta_{14} I(Goals_i = territorial\ secession) + \beta_{15} I(Goals_i = greater\ autonomy) \\ + \beta_{16} I(Goals_i = anti - occupation) + \beta_{17} I(Tactic_i = violent) \\ + \beta_{18} I(Tactic_i = non - violent) + \beta_{19} I(Tactic_i = mixed) \\ + \beta_{20} NumPartcipants + \beta_{21} Damage + \beta_{22} EconImpact \\ for\ j = 1,\ 2,\ 3,\ 4,\ 5,\ 6,\ 7
```

Cumulative Protest Effects

Protests do not occur in a vacuum; oftentimes, individual protests are part of a much larger campaign designed to bring about sweeping institutional change. Given this, we posit that there is likely to be a cumulative effect of protests on governmental response, whereby past protests influence the success of future ones within the same campaign. We will follow the inclusion rule used by Pinckney that approximates the definition of a campaign within the civil resistance literature. A campaign must consist of at least three distinct physical events separated by less than one year, with the events meaningfully linked through common actors or goals [5]. To categorize event-level data into campaigns, we will use the NAVCO 1.3 list of maximalist campaigns. Since NAVCO 3.0 is a disaggregated dataset that does not sort individual protests into campaigns, we will analyze the stated protest goals, target, actors, and timing of the events in our dataset and assign them to the campaigns to which they are most closely aligned. Protests that do not clearly seem to be part of any campaign will be discarded.

Once the data has been sorted into campaigns, we will use a weighted cumulative exposure (WCE) model. The WCE model has wide applications within the field of pharmacoepidemiology. In this case, the WCE model is advantageous for three reasons. First, it is able to capture the cumulative effect of past protests on governmental response. Second, it is able to weight the relative importance of past protests depending on their timing. Finally, information concerning the severity of an event can be integrated. We chose this model over recurrent event models such as the Anderson-Gill (AG) model, which suffer from the independence assumption. The AG model assumes that the instantaneous risk of experiencing an outcome of interest at time t remains the same irrespective of whether or not previous events have been experienced. This makes recurrent event independence a poor assumption for this problem. The WCE model is specified as follows:

$$WCE(u) = \sum_{t \le u} w(u - t)X(t)$$

Here u is the current time when governmental response is evaluated, $t \leq u$ indexes times of protests preceding u, and X(t) represents the past protest intensity at time t. Here intensity will be defined as the number of participants in the protest, as this is a reasonably valid way to measure the strength of a protest. Given that our ultimate reponse variable of interest is quantitative, we will follow the Danieli et al. procedure for implementing the WCE model to assess longitudinal changes in the outcome [6]. This WCE model will be incorporated into a linear effects mixed model, whereby we model governmental response Y, a repeated-over-time outcome, at the k^{th} protest for campaign i. The model will thus take the form below:

$$Y_i(t_{ik}) = \beta_0 + b_{i,0} + \beta_{WCE}WCE_i(t_{ik}) + \sum_{s=1}^{p} (\beta_s Z_{s,ik}) + \sum_{s=1}^{r} (b_{i,s} L_{s,ik}) + \epsilon_{ik}$$

 β_0 represents the expected value of the governmental response to a campaign at time t_{ik} assuming that there were no prior protests in the campaign. This is the response that would be expected given that the values of all p fixed effect covariates were set to zero. $b_{i,0} \mathcal{N}(0, \sigma_b^2)$ represents the random intercept for campaign i. The fixed effect, β_{WCE} , represents the expected change in governmental response associated with a unit increase in the WCE metric. β_s represents the fixed effect of the covariates Z_s , while $b_{i,s}$ represents the random effect of a set of covariates L_s that are included in Z_s . These covariates L_s will be the grouping factors that we are seeking to control, namely the geographic scope of protests and the type of actor involved in the protest. We chose to use a mixed effects model because there is reason to believe that observations are not necessarily independent of one another. Protests are likely to 'interact' with one another. For example, an actor conducting multiple protests would be expected to be met with similar governmental responses for each protest. This model allows us to therefore capture variance in the dependent governmental response variable due to relevant clusters.

Chilling Effect

To determine whether or not a chilling effect stemming from severe governmental responses exists, we will be examining the frequency of protests a year prior to and following such a response. A severe response will be defined as any governmental response that is of level five, which corresponds to non-material and non-physical repression, or higher. A two proportions Z-test will be used to examine if the difference in protest frequencies is statistically significant. This hypothesis test is effective in comparing population proportion differences between two groups, and it is chosen over the Fisher-exact test because of the sufficiently large sample size.

Results

Protest Success

Ν factor(geo_scope, order = F) 1741 local regional 6320 1705 international regional 168 global actor_id 248 state international 111 9847 non-state camp_goals Regime Change 2275 Institutional Reform 1120 Policy Change 3308 Territorial Secession 914 Autonomy 735 1613 Unknown Missing 241 tactical_choice 5423 826

Overall

-8

N=10206

16

Difference in Log Odds

3957

10206

-2

N missing=102175

Figure 3: Proportional Odds Assumption Satisfied by Data

```
m_ord <- polr(st_posture ~ factor(geo_scope, order = F) + actor_id + camp_goals + tactical_choice,
          data = df_clean,
          \#na.action = na.omit,
          Hess = TRUE)
summary(m_ord)
## Call:
## polr(formula = st_posture ~ factor(geo_scope, order = F) + actor_id +
       camp_goals + tactical_choice, data = df_clean, Hess = TRUE)
## Coefficients:
##
                                                        Value Std. Error t value
## factor(geo_scope, order = F)regional
                                                                 0.05478 14.1185
                                                       0.7735
## factor(geo_scope, order = F)national
                                                      -0.4655
                                                                 0.06974 -6.6749
## factor(geo_scope, order = F)international regional 0.3819
                                                                 0.15976
                                                                           2.3906
## factor(geo_scope, order = F)global
                                                      -0.1201
                                                                 0.13080 -0.9185
## actor_idnon-state
                                                       0.3202
                                                                 0.25881
                                                                          1.2373
## actor_idinternational
                                                       0.5202
                                                                 0.34456
                                                                           1.5098
## actor_idnonaligned
                                                       0.4596
                                                                 0.74966
                                                                          0.6130
## actor_idlocal state
                                                      -1.9232
                                                                1.22811 -1.5660
                                                                 0.07606 -10.8127
## camp_goalsInstitutional Reform
                                                      -0.8224
## camp_goalsPolicy Change
                                                      -1.2955
                                                                 0.06281 -20.6250
## camp_goalsTerritorial Secession
                                                                 0.08273 -9.4869
                                                      -0.7848
## camp_goalsAutonomy
                                                      -1.1153
                                                                 0.09278 -12.0214
## camp_goalsAnti-occupation
                                                      -2.0448
                                                                 0.39305 -5.2025
## camp_goalsUnknown
                                                      -1.4438
                                                                 0.06969 -20.7178
## tactical choice.L
                                                       2.1315
                                                                 0.04107 51.9010
## tactical_choice.Q
                                                      -0.2152
                                                                 0.06035 -3.5663
##
## Intercepts:
##
                                                Value
                                                         Std. Error t value
## Full Accomodations | Material Concessions
                                                          0.2769
                                                                    -20.3333
                                                 -5.6310
## Material Concessions | Nonmaterial Concessions -4.8911
                                                           0.2716
                                                                    -18.0072
## Nonmaterial Concessions | Neutral
                                                 -4.1575
                                                          0.2691
                                                                   -15.4502
## Neutral|Nonmaterial Repression
                                                          0.2662
                                                 -1.4377
                                                                     -5.4003
## Nonmaterial Repression | Material Repression
                                                 -0.7844
                                                           0.2660
                                                                     -2.9490
## Material Repression | Intended Killings
                                                  0.9791
                                                           0.2662
                                                                      3.6780
##
## Residual Deviance: 24175.73
## AIC: 24219.73
## (102416 observations deleted due to missingness)
mod_output_df <- as.data.frame(summary(m_ord)$coefficients)</pre>
mod_output_df$p_value <- pnorm(abs(mod_output_df[, "t value"]), lower.tail = FALSE) * 2</pre>
mod_output_df[, c("Value", "p_value")]
                                                           Value
                                                                      p value
## factor(geo_scope, order = F)regional
                                                       0.7734783 2.921515e-45
## factor(geo_scope, order = F)national
                                                      -0.4655204 2.473723e-11
## factor(geo_scope, order = F)international regional 0.3819241 1.682136e-02
## factor(geo_scope, order = F)global
                                                      -0.1201351 3.583731e-01
## actor_idnon-state
                                                       0.3202297 2.159738e-01
## actor_idinternational
                                                       0.5202144 1.310984e-01
## actor_idnonaligned
                                                       0.4595712 5.398501e-01
```

```
-1.9232323 1.173458e-01
## actor_idlocal state
## camp_goalsInstitutional Reform
                                                        -0.8224311 2.995882e-27
                                                        -1.2955020 1.638654e-94
## camp_goalsPolicy Change
## camp_goalsTerritorial Secession
                                                        -0.7848413 2.380953e-21
## camp_goalsAutonomy
                                                        -1.1153169 2.742708e-33
## camp_goalsAnti-occupation
                                                        -2.0448334 1.965923e-07
## camp_goalsUnknown
                                                        -1.4438474 2.395803e-95
                                                         2.1314738 0.000000e+00
## tactical_choice.L
## tactical_choice.Q
                                                        -0.2152418 3.621041e-04
## Full Accomodations | Material Concessions
                                                        -5.6309534 6.531277e-92
## Material Concessions | Nonmaterial Concessions
                                                        -4.8910580 1.709835e-72
## Nonmaterial Concessions | Neutral
                                                        -4.1575006 7.519558e-54
## Neutral|Nonmaterial Repression
                                                        -1.4376824 6.652579e-08
                                                        -0.7844356 3.187817e-03
## Nonmaterial Repression | Material Repression
## Material Repression|Intended Killings
                                                         0.9791423 2.350933e-04
1-pchisq(deviance(m_ord), df.residual(m_ord))
## [1] 0
pres <- presid(m_ord)</pre>
ggplot(data.frame(y = pres), aes(sample = y)) +
  stat_qq(distribution = qunif, dparams = list(min = -1, max = 1), alpha = 0.5)
   1.0 -
   0.5 -
sample
   0.0
   -0.5 -
  -1.0 -
         -1.0
                            -0.5
                                                0.0
                                                                   0.5
                                                                                      1.0
                                            theoretical
#resids(m)
#predict(m_ord, type = "probs")
\#autoplot(resids(m\_ord), what = "covariate", x = predict(m, type = "probs"))
#residuals(m_ord)
```

Cumulative Protests

```
df_pwp <- df_clean %>%
  group_by(country_name, year) %>%
  filter(target_3 %in% c("COP", "GOV", "JUD", "MIL", "LLY", "SPY", "LEG", "TOP")) %>%
  ungroup()
df_pwp <- df_pwp %>% filter(!is.na(tactical_choice) & !is.na(st_posture))
df_pwp$id <- df_pwp %>% group_by(country_name, year) %>%
  group_indices()
df_pwp <- df_pwp %>%
  ungroup() %>%
  arrange(id, date) %>%
  group_by(id) %>%
  dplyr::mutate(diff_time = as.double(date - lag(date))) # get time difference b/w protests
df pwp$diff time[is.na(df pwp$diff time)] <- 0</pre>
df_temp <- df_pwp %>% group_by(id) %>%
  dplyr::mutate(Stop = cumsum(diff_time) + 1)
df_pwp$Stop <- df_temp$Stop</pre>
# classify governmental responses into binary variable for concessions Y/N
df_pwp <- df_pwp %>%
  dplyr::mutate(concessions = if_else(st_posture == "Full Accommodations" |
                         st_posture == "Material Concessions" |
                         st_posture == "Nonmaterial Concessions", 1, 0 ))
# consolidate same-day protests
df_pwp <- df_pwp %>%
  group_by(id, date) %>%
 dplyr::mutate(num_protests_day = n()) %>%
  ungroup()
df_pwp <- df_pwp %>%
  group_by(id, date) %>%
  slice(which.min(st_posture)) %>%
 ungroup()
# filter to get final concession made in response to a campaign
df_wce_conc <- df_pwp %>%
 filter(concessions == 1) %>%
  group_by(id) %>%
  slice(n()) %>%
  ungroup()
df_wce <- rbind(df_pwp %>%
                       filter(concessions == 0), df_wce_conc) %>%
  arrange(id, date) %>%
  group_by(id) %>%
```

```
dplyr::mutate(last_concession = min(which(concessions == 1 | row_number() ==n()))) %>%
  filter(row_number() <= last_concession) %>%
  dplyr::select(-last_concession)
# match start dates to match events with complete information
df_wce <- df_wce %>%
  group_by(id) %>%
  dplyr::mutate(Start = lag(Stop)) %>%
  ungroup()
df wce$Start[is.na(df wce$Start)] <- 0</pre>
# convert id to a double
df_wce$id <- as.double(df_wce$id)</pre>
# get number of protests
df_wce <- df_wce %>%
  group_by(id) %>%
  #filter(concessions == 1) %>%
  dplyr::mutate(enum = row_number()) %>%
  dplyr::mutate(enum = if_else(enum >= 8, 8, as.double(enum))) %>%
  ungroup()
# continent variable
df wce <- df wce %>%
  dplyr::mutate(region = case_when(country_name %in% c("algeria", "egypt",
                                                      "kenya", "libya",
                                                      "madagascar", "morocco",
                                                  "sierra_leone", "south_sudan",
                                                  "sudan", "tanzania", "tunisia") ~ "Africa",
                                country_name %in% c("iraq", "jordan", "syria",
                                "turkey", "yemen") ~ "Middle East", country_name %in% c("bahrain", "china",
                                                      "india", "pakistan",
                                                      "south_korea", "uzbekistan") ~ "Asia",
                                 country_name %in% c("estonia", "ukraine") ~ "Europe",
                                TRUE ~ "Americas")) # Mexico, U.S.
df_wce$tactical_choice <- as.integer(df_wce$tactical_choice)</pre>
\# checkWCE(as.data.frame(df_wce), id = "id", event = "concessions", start = "Start",
           stop = "Stop", expos = "tactical_choice")
df wce <- df wce %>%
  dplyr::select(id, date, geo_scope, actor_id, camp_goals, tactical_choice, damage, econ_impact,
                fatal_casu, injuries,
                concessions, num_protests_day)
df_wce$damage <- as.double(df_wce$damage)</pre>
df wce$econ impact <- as.double(df wce$econ impact)</pre>
df wce[is.na(df wce$damage), c("damage")] <- 0</pre>
df_wce[is.na(df_wce$econ_impact), c("econ_impact")] <- 0</pre>
df_wce[is.na(df_wce$fatal_casu), c("fatal_casu")] <- 0</pre>
df_wce[is.na(df_wce$injuries), c("injuries")] <- 0</pre>
#df_wce[is.na(df_wce$num_partic_event), c("num_partic_event")] <- 0</pre>
```

```
df_wce$doy <- as.double(strftime(df_wce$date, format = "%j"))</pre>
df_wce$geo_scope <- as.character(df_wce$geo_scope)</pre>
df_wce$actor_id <- as.character(df_wce$actor_id)</pre>
df_wce$camp_goals <- as.character(df_wce$camp_goals)</pre>
non_protest_day_maker <- function(df) {</pre>
  ly <- seq(from = 1992, to = 2012, by = 4) # years that are leap years
  year <- as.double(format(date, "%Y")) # extract year</pre>
  days_ly <- 1:366
  days_nly <- 1:365
  ly_indicator <- year %in% ly</pre>
  ly_newdays <- days_ly[!(1:366) %in% df$doy]</pre>
  nly_newdays <- days_nly[!(1:365) %in% df$doy]</pre>
  if(ly_indicator) {
    days_to_add <-days_ly[!(1:366) %in% df$doy]</pre>
  }
  else {
    days_to_add <- days_nly[!(1:365) %in% df$doy]</pre>
  num_rows <- length(days_to_add)</pre>
  id <- df$id[1]
  zeros <- rep(0, num_rows)</pre>
  new_rows <- bind_cols(rep(id, num_rows), rep(as.Date("1982-01-13", format = "%m/%d/%y"), num_rows), r
                     rep("", num_rows), zeros, zeros, # camp_goals, tactical_choice, damage
                     zeros, zeros, zeros, # econ_impact, fatal_casu, injuries
                     zeros, zeros, # num_partic_event, concessions, num_protests_day
                     days_to_add) # doy
  colnames(new_rows) <- c("id", "date", "geo_scope", "actor_id", "camp_goals",</pre>
                            "tactical_choice", "damage", "econ_impact", "fatal_casu", "injuries",
                            "concessions", "num_protests_day", "doy")
  df_comb <- rbind(df, new_rows)</pre>
  return(df_comb)
}
## # A tibble: 131,766 x 11
               id [361]
## # Groups:
         id geo_scope tactical_choice damage econ_impact fatal_casu injuries
##
      <dbl>
                 <dbl>
                                  <dbl>
                                         <dbl>
                                                       <dbl>
                                                                   <dbl>
                                                                            <dbl>
                                      0
##
   1
          1
                     1
                                              0
                                                           0
                                                                       0
                                                                                 0
                                      0
                                              0
                                                           0
                                                                                 0
## 2
                                                                       0
          1
                     1
## 3
          1
                     1
                                      0
                                              0
                                                           0
                                                                       0
                                                                                 0
## 4
          1
                     1
                                      0
                                              0
                                                           0
                                                                       0
                                                                                 0
## 5
          1
                     1
                                      0
                                              0
                                                           0
                                                                       0
                                                                                0
## 6
          1
                     1
                                      0
                                              0
                                                           0
                                                                       0
                                                                                 0
##
  7
                     1
                                      0
                                              0
                                                           0
                                                                       0
                                                                                0
          1
## 8
          1
                     1
                                      0
                                              0
                                                           0
                                                                       0
                                                                                0
## 9
          1
                     1
                                      0
                                              0
                                                           0
                                                                       0
                                                                                0
## 10
                     1
                                      0
                                              0
## # ... with 131,756 more rows, and 4 more variables: concessions <dbl>,
       num_protests_day <dbl>, Start <dbl>, Stop <dbl>
## Data are in the right format for WCE estimation.
##
```

```
## Estimated right-constrained WCE function(s).
##
##
                                  t.2
## 1 knot(s) -0.07744516 -0.07646376 -0.07548994 -0.07452365 -0.07356488
## 2 knot(s) -0.11295800 -0.10970064 -0.10651215 -0.10339183 -0.10033900
## 3 knot(s) -0.10404129 -0.10153222 -0.09906777 -0.09664755 -0.09427117
                      t6
                                  t7
                                               t8
                                                           t.9
## 1 knot(s) -0.07261359 -0.07166976 -0.07073336 -0.06980435 -0.06888272
## 2 knot(s) -0.09735295 -0.09443301 -0.09157848 -0.08878866 -0.08606288
## 3 knot(s) -0.09193824 -0.08964837 -0.08740117 -0.08519625 -0.08303322
                                 t12
                                              t13
                                                          t14
                                                                      t15
                     t11
## 1 knot(s) -0.06796843 -0.06706145 -0.06616175 -0.06526931 -0.06438411
## 2 knot(s) -0.08340043 -0.08080063 -0.07826278 -0.07578620 -0.07337019
## 3 knot(s) -0.08091169 -0.07883127 -0.07679156 -0.07479218 -0.07283274
                     t16
                                 t17
                                              t18
                                                          t19
## 1 knot(s) -0.06350610 -0.06263526 -0.06177156 -0.06091498 -0.06006549
## 2 knot(s) -0.07101407 -0.06871713 -0.06647870 -0.06429808 -0.06217457
## 3 knot(s) -0.07091285 -0.06903211 -0.06719014 -0.06538654 -0.06362093
                                              t23
                     t21
                                 t22
                                                                      +.25
                                                          t24
## 1 knot(s) -0.05922305 -0.05838764 -0.05755924 -0.05673780 -0.05592331
## 2 knot(s) -0.06010750 -0.05809616 -0.05613986 -0.05423792 -0.05238965
## 3 knot(s) -0.06189291 -0.06020210 -0.05854810 -0.05693053 -0.05534899
                     t26
##
                                 t27
                                              t28
                                                          t29
                                                                      t.30
## 1 knot(s) -0.05511573 -0.05431505 -0.05352122 -0.05273422 -0.05195402
## 2 knot(s) -0.05059435 -0.04885133 -0.04715990 -0.04551938 -0.04392906
## 3 knot(s) -0.05380309 -0.05229245 -0.05081666 -0.04937535 -0.04796812
                                                          t34
                     t31
                                 t32
                                              t33
                                                                      t35
## 1 knot(s) -0.05118059 -0.05041392 -0.04965395 -0.04890068 -0.04815406
## 2 knot(s) -0.04238826 -0.04089629 -0.03945246 -0.03805607 -0.03670644
## 3 knot(s) -0.04659458 -0.04525434 -0.04394701 -0.04267220 -0.04142953
                     t36
                                 t37
                                              t38
                                                          t39
## 1 knot(s) -0.04741408 -0.04668069 -0.04595389 -0.04523362 -0.04451988
## 2 knot(s) -0.03540287 -0.03414468 -0.03293116 -0.03176164 -0.03063542
## 3 knot(s) -0.04021858 -0.03903899 -0.03789036 -0.03677230 -0.03568441
                     t41
                                 t42
                                              t43
                                                          t44
## 1 knot(s) -0.04381262 -0.04311183 -0.04241747 -0.04172951 -0.04104792
## 2 knot(s) -0.02955181 -0.02851011 -0.02750965 -0.02654972 -0.02562964
## 3 knot(s) -0.03462631 -0.03359760 -0.03259791 -0.03162683 -0.03068397
                     t.46
                                  t.47
                                              t.48
                                                          t.49
                                                                      t.50
## 1 knot(s) -0.04037269 -0.03970377 -0.03904114 -0.03838477 -0.03773464
## 2 knot(s) -0.02474871 -0.02390624 -0.02310155 -0.02233394 -0.02160272
## 3 knot(s) -0.02976895 -0.02888138 -0.02802085 -0.02718700 -0.02637942
                     t.51
                                 t52
                                              t53
                                                          t54
                                                                      t55
## 1 knot(s) -0.03709071 -0.03645295 -0.03582135 -0.03519586 -0.03457646
## 2 knot(s) -0.02090720 -0.02024669 -0.01962050 -0.01902794 -0.01846831
## 3 knot(s) -0.02559772 -0.02484151 -0.02411041 -0.02340401 -0.02272194
                     t56
                                 t57
                                              t58
                                                          t59
## 1 knot(s) -0.03396313 -0.03335583 -0.03275454 -0.03215922 -0.03156985
## 2 knot(s) -0.01794093 -0.01744510 -0.01698014 -0.01654535 -0.01614004
## 3 knot(s) -0.02206381 -0.02142921 -0.02081776 -0.02022908 -0.01966276
                                                          t64
                                 t62
                                              t63
                     t61
                                                                      t.65
## 1 knot(s) -0.03098640 -0.03040885 -0.02983715 -0.02927130 -0.02871124
## 2 knot(s) -0.01576352 -0.01541510 -0.01509409 -0.01479980 -0.01453154
## 3 knot(s) -0.01911842 -0.01859568 -0.01809413 -0.01761339 -0.01715307
```

```
t69
                                                                      t70
                                 t67
                                             t68
## 1 knot(s) -0.02815697 -0.02760845 -0.02706564 -0.02652853 -0.02599709
## 2 knot(s) -0.01428861 -0.01407033 -0.01387600 -0.01370494 -0.01355644
## 3 knot(s) -0.01671277 -0.01629212 -0.01589071 -0.01550815 -0.01514407
                     t71
                                 t72
                                             t73
                                                          t.74
## 1 knot(s) -0.02547128 -0.02495108 -0.02443646 -0.02392738 -0.02342383
## 2 knot(s) -0.01342983 -0.01332441 -0.01323950 -0.01317438 -0.01312839
## 3 knot(s) -0.01479805 -0.01446973 -0.01415870 -0.01386457 -0.01358696
                     t76
                                 t77
                                              t78
                                                          t79
                                                                      t80
## 1 knot(s) -0.02292578 -0.02243319 -0.02194603 -0.02146428 -0.02098792
## 2 knot(s) -0.01310083 -0.01309100 -0.01309821 -0.01312178 -0.01316101
## 3 knot(s) -0.01332547 -0.01307971 -0.01284930 -0.01263384 -0.01243295
                     t81
                                 t82
                                             t83
                                                          t84
                                                                      t85
## 1 knot(s) -0.02051690 -0.02005121 -0.01959082 -0.01913569 -0.01868579
## 2 knot(s) -0.01321522 -0.01328371 -0.01336578 -0.01346076 -0.01356795
## 3 knot(s) -0.01224622 -0.01207328 -0.01191373 -0.01176717 -0.01163323
                     t86
                                 t87
                                              t88
                                                          t89
## 1 knot(s) -0.01824111 -0.01780161 -0.01736726 -0.01693803 -0.01651390
## 2 knot(s) -0.01368665 -0.01381618 -0.01395585 -0.01410496 -0.01426282
## 3 knot(s) -0.01151151 -0.01140162 -0.01130317 -0.01121577 -0.01113902
##
                     t91
                                 t92
                                             t93
                                                          t94
                                                                      t95
## 1 knot(s) -0.01609484 -0.01568082 -0.01527180 -0.01486777 -0.01446869
## 2 knot(s) -0.01442875 -0.01460205 -0.01478203 -0.01496800 -0.01515927
## 3 knot(s) -0.01107255 -0.01101595 -0.01096886 -0.01093100 -0.01090210
                                             t98
                     t96
##
                                 t.97
                                                          t99
                                                                     \pm 100
## 1 knot(s) -0.01407454 -0.01368528 -0.01330090 -0.01292135 -0.01254661
## 2 knot(s) -0.01535515 -0.01555495 -0.01575797 -0.01596353 -0.01617094
## 3 knot(s) -0.01088190 -0.01087014 -0.01086656 -0.01087090 -0.01088289
                    t101
                                t102
                                            t103
                                                         t104
## 1 knot(s) -0.01217666 -0.01181145 -0.01145098 -0.01109520 -0.01074410
## 2 knot(s) -0.01637950 -0.01658852 -0.01679731 -0.01700518 -0.01721145
## 3 knot(s) -0.01090228 -0.01092879 -0.01096218 -0.01100218 -0.01104852
                    t106
                                t107
                                             t108
                                                          t109
## 1 knot(s) -0.01039763 -0.01005578 -0.009718505 -0.00938579 -0.009057601
## 2 knot(s) -0.01741541 -0.01761638 -0.017813673 -0.01800659 -0.018194439
## 3 knot(s) -0.01110094 -0.01115919 -0.011223000 -0.01129211 -0.011366253
                     t.111
                                  t.112
                                                t.113
## 1 knot(s) -0.008733911 -0.008414692 -0.008099913 -0.007789549 -0.007483568
## 2 knot(s) -0.018376535 -0.018552184 -0.018720696 -0.018881380 -0.019033544
## 3 knot(s) -0.011445173 -0.011528608 -0.011616294 -0.011707971 -0.011803376
                     t116
                                  t117
                                               t118
                                                             t119
## 1 knot(s) -0.007181945 -0.006884649 -0.006591652 -0.006302927 -0.006018444
## 2 knot(s) -0.019176499 -0.019309552 -0.019432014 -0.019543193 -0.019642398
## 3 knot(s) -0.011902248 -0.012004324 -0.012109344 -0.012217045 -0.012327166
                                  t122
                     t121
                                                t123
                                                            t124
## 1 knot(s) -0.005738175 -0.005462093 -0.005190167 -0.00492237 -0.004658674
## 2 knot(s) -0.019728938 -0.019802123 -0.019861261 -0.01990581 -0.019935845
## 3 knot(s) -0.012439444 -0.012553618 -0.012669427 -0.01278661 -0.012904900
                    t126
                                 ±127
                                              t.128
                                                            +.129
                                                                         ±130
## 1 knot(s) -0.00439905 -0.004143469 -0.003891903 -0.003644324 -0.003400704
## 2 knot(s) -0.01995157 -0.019953219 -0.019940996 -0.019915122 -0.019875816
## 3 knot(s) -0.01302404 -0.013143769 -0.013263822 -0.013383940 -0.013503858
##
                     t131
                                  t132
                                                t133
                                                             t134
## 1 knot(s) -0.003161013 -0.002925223 -0.002693307 -0.002465235 -0.002240979
```

```
## 2 knot(s) -0.019823294 -0.019757774 -0.019679474 -0.019588610 -0.019485402
## 3 knot(s) -0.013623317 -0.013742055 -0.013859808 -0.013976317 -0.014091319
                    t136
                                t137
                                             t138
## 1 knot(s) -0.00202051 -0.001803801 -0.001590823 -0.001381547 -0.001175945
## 2 knot(s) -0.01937006 -0.019242816 -0.019103875 -0.018953458 -0.018791783
## 3 knot(s) -0.01420455 -0.014315754 -0.014424664 -0.014531020 -0.014634560
                     t141
                                   t142
                                                t143
                                                              t.144
## 1 knot(s) -0.0009739885 -0.0007756489 -0.000580898 -0.0003897072 -0.0002020481
## 2 knot(s) -0.0186190662 -0.0184355261 -0.018241380 -0.0180368452 -0.0178221392
## 3 knot(s) -0.0147350219 -0.0148321449 -0.014925667 -0.0150153256 -0.0151008598
                      t146
                                   t147
                                                 t148
                                                               t149
                                                                             t150
## 1 knot(s) -1.789239e-05 0.0001627885 0.0003400229 0.0005138394 0.0006842663
## 2 knot(s) -1.759748e-02 -0.0173630833 -0.0171191682 -0.0168659518 -0.0166036512
## 3 knot(s) -1.518201e-02 -0.0152585068 -0.0153300962 -0.0153965138 -0.0154574978
                     t151
                                  t152
                                               t153
                                                            t154
## 1 knot(s) 0.0008513321 0.001015065 0.001175494 0.001332647 0.001486553
## 2 knot(s) -0.0163324842 -0.016052668 -0.015764420 -0.015467958 -0.015163499
## 3 knot(s) -0.0155127864 -0.015562118 -0.015605231 -0.015641863 -0.015671752
                     t156
                                 t157
                                              t158
                                                          t.159
## 1 knot(s) 0.001637239 0.001784735 0.001929069 0.00207027
                                                                0.002208365
## 2 knot(s) -0.014851260 -0.014531460 -0.014204315 -0.01387004 -0.013528862
## 3 knot(s) -0.015694638 -0.015710257 -0.015718349 -0.01571865 -0.015710902
                                              t163
##
                     t161
                                 t162
                                                           t164
## 1 knot(s) 0.002343384 0.002475354 0.002604304 0.002730263 0.002853258
## 2 knot(s) -0.013180988 -0.012826640 -0.012466034 -0.012099389 -0.011726921
## 3 knot(s) -0.015694839 -0.015670202 -0.015636729 -0.015594157 -0.015542225
                                                           t169
                     t166
                                 t167
                                              t168
                                                                        t170
## 1 knot(s) 0.002973319 0.003090474 0.003204751 0.003316179 0.003424786
## 2 knot(s) -0.011348848 -0.010965387 -0.010576757 -0.010183174 -0.009784855
## 3 knot(s) -0.015480671 -0.015409233 -0.015327650 -0.015235659 -0.015133000
                     t171
                                  t172
                                              t173
                                                           t174
## 1 knot(s) 0.003530601 0.003633651 0.003733966 0.003831574 0.003926503
## 2 knot(s) -0.009382019 -0.008974883 -0.008563663 -0.008148578 -0.007729846
## 3 knot(s) -0.015019410 -0.014894627 -0.014758390 -0.014610437 -0.014450506
                     t176
                                              t178
                                                           t179
                                  t177
## 1 knot(s) 0.004018782 0.004108439 0.004195503 0.004280002 0.004361964
## 2 knot(s) -0.007307682 -0.006882306 -0.006453933 -0.006022783 -0.005589072
## 3 knot(s) -0.014278335 -0.014093663 -0.013896228 -0.013685768 -0.013462021
                                  t182
                                              t183
                                                           t184
                     t.181
## 1 knot(s) 0.004441418 0.004518393 0.004592916 0.004665016 0.004734722
## 2 knot(s) -0.005153017 -0.004714836 -0.004274747 -0.003832967 -0.003389713
## 3 knot(s) -0.013224726 -0.012973620 -0.012708442 -0.012428931 -0.012134931
                     t186
                                 t187
                                              t188
                                                           t189
## 1 knot(s) 0.004802054 0.004867037 0.004929691 0.004990038 0.005048101
## 2 knot(s) -0.002945204 -0.002499655 -0.002053285 -0.001606311 -0.001158951
## 3 knot(s) -0.011826718 -0.011504673 -0.011169179 -0.010820617 -0.010459370
                      t191
                                   t192
                                                 t193
                                                               t194
                                                                            t195
## 1 knot(s) 0.0051039018 0.0051574619 0.0052088036 0.0052579488 0.005304919
## 2 knot(s) -0.0007114222 -0.0002639416 0.0001832731 0.0006300045 0.001076035
## 3 knot(s) -0.0100858199 -0.0097003480 -0.0093033368 -0.0088951682 -0.008476224
                                              t198
                     t196
                                 t197
                                                           t199
                                                                        t200
## 1 knot(s) 0.005349738 0.005392425 0.005433004 0.005471496 0.005507924
## 2 knot(s) 0.001521147 0.001965124 0.002407747 0.002848800 0.003288065
## 3 knot(s) -0.008046887 -0.007607539 -0.007158561 -0.006700337 -0.006233247
```

```
t201
                                  t202
                                               t203
                                                             t204
## 1 knot(s) 0.005542309 0.005574674 0.005605040 0.005633429 0.005659863
## 2 knot(s) 0.003725325
                          0.004160361 0.004592958 0.005022896
                                                                  0.005449960
## 3 knot(s) -0.005757674 -0.005274000 -0.004782607 -0.004283877 -0.003778191
                                               t208
                     t206
                                  t207
                                                             t.209
                                       0.005727658 0.005746494
## 1 knot(s) 0.005684365
                          0.005706956
                                                                  0.005763484
## 2 knot(s) 0.005873930 0.006294591 0.006711724 0.007125112 0.007534538
## 3 knot(s) -0.003265933 -0.002747484 -0.002223226 -0.001693541 -0.001158811
                      t211
                                    t212
                                                  t213
                                                              t214
                                                                          t215
## 1 knot(s) 0.0057786521 5.792019e-03 0.0058036073 0.005813439 0.005821535
## 2 knot(s) 0.0079397836 8.340632e-03 0.0087368660 0.009128268 0.009514620
## 3 knot(s) -0.0006194188 -7.574537e-05 0.0004718268 0.001022916 0.001577139
                    t216
                                t217
                                            t218
                                                         t219
                                                                     t220
## 1 knot(s) 0.005827919 0.005832611 0.005835635 0.005837012 0.005836763
## 2 knot(s) 0.009895705 0.010271305 0.010641204 0.011005183 0.011363026
## 3 knot(s) 0.002134116 0.002693463 0.003254799 0.003817741 0.004381908
                    t221
                                t222
                                            t223
                                                         t224
## 1 knot(s) 0.005834912 0.005831480 0.005826489 0.005819960 0.005811917
## 2 knot(s) 0.011714514 0.012059430 0.012397558 0.012728678 0.013052575
## 3 knot(s) 0.004946917 0.005512387 0.006077936 0.006643181 0.007207740
                                t227
                                                         t229
##
                    t226
                                            t228
                                                                     t.230
## 1 knot(s) 0.005802381 0.005791373 0.005778917 0.005765033 0.005749744
## 2 knot(s) 0.013369031 0.013677827 0.013978747 0.014271573 0.014556088
## 3 knot(s) 0.007771232 0.008333274 0.008893485 0.009451481 0.010006883
##
                    t231
                                t232
                                            t233
                                                         t234
                                                                     \pm 235
## 1 knot(s) 0.005733072 0.005715039 0.005695666 0.005674977 0.005652992
## 2 knot(s) 0.014832075 0.015099315 0.015357592 0.015606688 0.015846385
## 3 knot(s) 0.010559306 0.011108370 0.011653692 0.012194890 0.012731582
                    t236
                                t237
                                            t238
                                                         t239
## 1 knot(s) 0.005629734 0.005605224 0.005579485 0.005552539 0.005524408
## 2 knot(s) 0.016076467 0.016296715 0.016506913 0.016706842 0.016896286
## 3 knot(s) 0.013263387 0.013789921 0.014310804 0.014825652 0.015334085
                    t241
                                t242
                                            t243
                                                         t244
## 1 knot(s) 0.005495113 0.005464677 0.005433122 0.005400469 0.005366741
## 2 knot(s) 0.017075027 0.017242847 0.017399529 0.017544856 0.017678675
## 3 knot(s) 0.015835720 0.016330174 0.016817067 0.017296015 0.017766638
                    t.246
                                t247
                                            t.248
                                                                     t250
## 1 knot(s) 0.005331959 0.005296146 0.005259323 0.005221513 0.005182738
## 2 knot(s) 0.017801091 0.017912275 0.018012397 0.018101628 0.018180138
## 3 knot(s) 0.018228552 0.018681376 0.019124728 0.019558225 0.019981487
                    t251
                                t252
                                            t253
                                                        t254
                                                                    t.255
                                                                               t.256
## 1 knot(s) 0.005143019 0.005102378 0.005060838 0.00501842 0.004975147 0.00493104
## 2 knot(s) 0.018248097 0.018305676 0.018353044 0.01839037 0.018417832 0.01843559
## 3 knot(s) 0.020394130 0.020795772 0.021186033 0.02156453 0.021930878 0.02228470
                    t257
                                t258
                                            t259
                                                         t260
## 1 knot(s) 0.004886121 0.004840413 0.004793937 0.004746716 0.00469877
## 2 knot(s) 0.018443825 0.018442698 0.018432383 0.018413051 0.01838487
## 3 knot(s) 0.022625610 0.022953228 0.023267172 0.023567059 0.02385251
                    t.262
                                t263
                                            t264
                                                         t.265
                                                                     t.266
## 1 knot(s) 0.004650123 0.004600797 0.004550812 0.004500192 0.004448958
## 2 knot(s) 0.018348015 0.018302652 0.018248952 0.018187087 0.018117226
## 3 knot(s) 0.024123136 0.024378561 0.024618402 0.024842276 0.025049801
##
                                t268
                                                         \pm 270
                                                                    t.271
                    t267
                                            +269
## 1 knot(s) 0.004397132 0.004344736 0.004291793 0.004238323 0.00418435
```

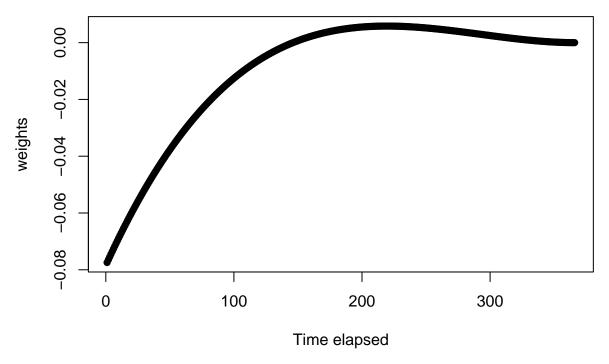
```
## 2 knot(s) 0.018039540 0.017954199 0.017861373 0.017761233 0.01765395
## 3 knot(s) 0.025240596 0.025414278 0.025570465 0.025708775 0.02582883
                                                        t275
                    t.272
                               t273
                                           t274
                                                                               t.277
## 1 knot(s) 0.004129895 0.00407498 0.004019627 0.003963858 0.003907695 0.00385116
## 2 knot(s) 0.017539692 0.01741863 0.017290938 0.017156783 0.017016335 0.01686977
## 3 knot(s) 0.025930237 0.02601262 0.026075607 0.026118803 0.026141965 0.02614539
                    t278
                                t279
                                            t280
                                                         t.281
## 1 knot(s) 0.003794275 0.003737062 0.003679544 0.003621741 0.003563675
## 2 knot(s) 0.016717244 0.016558942 0.016395029 0.016225675 0.016051052
## 3 knot(s) 0.026129515 0.026094768 0.026041584 0.025970396 0.025881636
                   t283
                               t284
                                           t285
                                                        t286
                                                                    t287
## 1 knot(s) 0.00350537 0.003446847 0.003388128 0.003329234 0.003270188
## 2 knot(s) 0.01587133 0.015686676 0.015497264 0.015303263 0.015104845
## 3 knot(s) 0.02577574 0.025653134 0.025514258 0.025359543 0.025189420
                                                         t291
                    t288
                                t289
                                            t290
## 1 knot(s) 0.003211013 0.003151728 0.003092358 0.003032924 0.002973447
## 2 knot(s) 0.014902178 0.014695433 0.014484782 0.014270393 0.014052438
## 3 knot(s) 0.025004324 0.024804687 0.024590943 0.024363523 0.024122861
                   t293
                               t294
                                           t295
                                                        t.296
                                                                    +.297
                                                                               \pm 298
## 1 knot(s) 0.00291395 0.002854455 0.002794983 0.002735557 0.002676199 0.00261693
## 2 knot(s) 0.01383109 0.013606508 0.013378875 0.013148357 0.012915123 0.01267935
## 3 knot(s) 0.02386939 0.023603544 0.023325755 0.023036455 0.022736078 0.02242506
##
                    t299
                               t300
                                           t301
                                                        t.302
                                                                    +.303
## 1 knot(s) 0.002557773 0.00249875 0.002439882 0.002381191 0.002322701
## 2 knot(s) 0.012441193 0.01220084 0.011958447 0.011714195 0.011468249
## 3 knot(s) 0.022103823 0.02177281 0.021432455 0.021083186 0.020725437
                    t304
                                t305
                                             t306
                                                         t307
                                                                    t308
## 1 knot(s) 0.002264432 0.002206406 0.002148646 0.002091173 0.00203401
## 2 knot(s) 0.011220781 0.010971960 0.010721958 0.010470945 0.01021909
## 3 knot(s) 0.020359642 0.019986232 0.019605642 0.019218304 0.01882465
                    t309
                                t310
                                             t311
                                                         t312
## 1 knot(s) 0.001977178 0.001920700 0.001864597 0.001808891 0.001753605
## 2 knot(s) 0.009966565 0.009713539 0.009460183 0.009206667 0.008953162
## 3 knot(s) 0.018425117 0.018020133 0.017610133 0.017195550 0.016776817
                                t315
                                             t316
                    t314
                                                         t317
                                                                     t318
## 1 knot(s) 0.001698760 0.001644379 0.001590483 0.001537094 0.001484234
## 2 knot(s) 0.008699837 0.008446864 0.008194413 0.007942654 0.007691757
## 3 knot(s) 0.016354367 0.015928632 0.015500046 0.015069041 0.014636051
                    t319
                                t320
                                             t321
                                                         t322
##
                                                                     t.323
## 1 knot(s) 0.001431926 0.001380191 0.001329051 0.001278529 0.001228645
## 2 knot(s) 0.007441892 0.007193231 0.006945943 0.006700199 0.006456168
## 3 knot(s) 0.014201508 0.013765846 0.013329497 0.012892894 0.012456471
                    t324
                                t325
                                            t326
                                                         t327
## 1 knot(s) 0.001179423 0.001130884 0.001083050 0.001035943 0.0009895858
## 2 knot(s) 0.006214023 0.005973931 0.005736065 0.005500595 0.0052676898
## 3 knot(s) 0.012020659 0.011585893 0.011152605 0.010721227 0.0102921938
                     t329
                                  t330
                                                t331
                                                             t332
## 1 knot(s) 0.0009439992 0.0008992057 0.0008552272 0.0008120858 0.0007698034
## 2 knot(s) 0.0050375210 0.0048102586 0.0045860730 0.0043651346 0.0041476137
## 3 knot(s) 0.0098659372 0.0094428904 0.0090234863 0.0086081579 0.0081973381
                     t334
                                  t335
                                                t336
                                                             t337
                                                                          t338
## 1 knot(s) 0.0007284021 0.0006879037 0.0006483302 0.0006097037 0.0005720462
## 2 knot(s) 0.0039336806 0.0037235057 0.0035172592 0.0033151117 0.0031172333
## 3 knot(s) 0.0077914598 0.0073909561 0.0069962597 0.0066078037 0.0062260210
```

```
##
                     t339
                                 t340
                                              t341
                                                           t342
## 1 knot(s) 0.0005353795 0.0004997258 0.0004651069 0.0004315449 0.0003990617
## 2 knot(s) 0.0029237945 0.0027349656 0.0025509170 0.0023718189 0.0021978417
## 3 knot(s) 0.0058513446 0.0054842073 0.0051250422 0.0047742821 0.0044323600
                     t344
                                 t345
                                             t346
                                                         t347
                                                                      t.348
## 1 knot(s) 0.0003676793 0.0003374198 0.000308305 0.000280357 0.0002535978
## 2 knot(s) 0.0020291558 0.0018659315 0.001708339 0.001556549 0.0014107319
## 3 knot(s) 0.0040997089 0.0037767617 0.003463951 0.003161711 0.0028704727
##
                     t349
                                 t350
                                              t351
                                                           t352
                                                                        t353
## 1 knot(s) 0.0002280493 0.0002037335 0.0001806724 0.0001588880 0.0001384022
## 2 knot(s) 0.0012710575 0.0011376965 0.0010108191 0.0008905958 0.0007771968
## 3 knot(s) 0.0025906704 0.0023227367 0.0020671045 0.0018242068 0.0015944766
                     t354
                                 t355
                                              t356
                                                           t357
                                                                        t358
## 1 knot(s) 0.0001192371 0.0001014147 8.495679e-05 6.988551e-05 5.622281e-05
## 2 knot(s) 0.0006707926 0.0005715534 4.796497e-04 3.952516e-04 3.185297e-04
## 3 knot(s) 0.0013783466 0.0011762500 9.886195e-04 8.158883e-04 6.584891e-04
##
                     t359
                                 t360
                                              t361
                                                           t362
                                                                        \pm .363
## 1 knot(s) 4.399067e-05 3.321106e-05 2.390598e-05 1.609740e-05 9.807298e-06
## 2 knot(s) 2.496542e-04 1.887955e-04 1.361239e-04 9.180977e-05 5.602346e-05
## 3 knot(s) 5.168550e-04 3.914189e-04 2.826138e-04 1.908725e-04 1.166280e-04
##
                    t364
                                 ±365
                                              ±366
## 1 knot(s) 5.057667e-06 1.870486e-06 2.677356e-07
## 2 knot(s) 2.893531e-05 1.071567e-05 1.534865e-06
## 3 knot(s) 6.031323e-05 2.236118e-05 3.204762e-06
##
## Number of events:
## [1] 152
## Partial log-Likelihoods:
        1 knot(s) 2 knot(s) 3 knot(s)
## [1,] -402.9745 -401.2144 -400.7838
##
## BIC:
##
           [,1]
                    [,2]
                             [,3]
##
   [1,] 851.164 852.6676 856.8303
## Matrix of coefficients estimates for the covariates:
##
                        damage econ impact fatal casu
##
            geo_scope
                                                         injuries
                                0.6280429 -1.660867 -0.09707954
## 1 knot(s) 1.001863 1.766362
## 2 knot(s) 1.020745 1.776935
                                 0.6407882 -1.634457 -0.09683001
## 3 knot(s)
             1.019202 1.770585
                                 0.6341245 -1.591565 -0.09792851
            num_protests_day
## 1 knot(s)
                   0.7271106
## 2 knot(s)
                   0.7275962
## 3 knot(s)
                   0.7308862
## Matrix of standard error estimates for the covariates:
##
##
                          damage econ_impact fatal_casu
              geo_scope
                                                          injuries
## 1 knot(s) 0.08881755 0.2230436
                                   ## 2 knot(s) 0.09038186 0.2229636
                                   ## 3 knot(s) 0.09028339 0.2225782
                                   0.1547168 0.4449915 0.06135256
##
            num protests day
```

```
## 1 knot(s)
                    0.1210450
## 2 knot(s)
                    0.1220517
## 3 knot(s)
                    0.1218315
##
## If you report these results, please cite Sylvestre MP, Abrahamowicz M. Flexible Modeling of the Effe
## Hazard. Statistics in Medicine 2009; 28(27):3437-3453.
##
## *** Right-constrained estimated WCE function (Proportional hazards model).***
##
## Estimated coefficients for the covariates:
##
                       coef exp(coef) se(coef)
## geo_scope
                     1.0019
                               2.7234
                                        0.0888 11.2800 0.0000
                     1.7664
                               5.8495
                                        0.2230 7.9194 0.0000
## damage
## econ_impact
                     0.6280
                               1.8739
                                        0.1553 4.0430 0.0001
                    -1.6609
                               0.1900
                                        0.4434 -3.7459 0.0002
## fatal_casu
                    -0.0971
                               0.9075
                                        0.0629 -1.5443 0.1225
## injuries
## num_protests_day 0.7271
                               2.0691
                                        0.1210 6.0069 0.0000
## Partial log-likelihood: -402.9745 BIC: 851.164
##
## Number of events: 152
## Use plot(m_wce) to see the estimated weight function corresponding to this model.
## If you report these results, please cite Sylvestre MP, Abrahamowicz M. Flexible Modeling of the Effe
```

Best-fitting estimated weight function 1 knot(s) (BIC=851.16)

Hazard. Statistics in Medicine 2009; 28(27):3437-3453.



HR ## 1 knot(s) 0.02947624

```
## 2 knot(s) 0.04346708
## 3 knot(s) 0.06054597
## # A tibble: 131,766 x 11
## # Groups:
              id [361]
##
        id geo_scope tactical_choice damage econ_impact fatal_casu injuries
##
     <dbl>
             <dbl>
                             <dbl> <dbl>
                                                <dbl>
                                                          <dbl>
##
  1
         1
                  1
                                        0
                                                                        0
                                  0
## 2
         1
                   1
                                         0
                                                    0
                                                               0
                                                                        0
## 3
                                  0
                                         0
                                                    0
                                                               0
                                                                        0
         1
                   1
                                  0
                                         0
## 4
        1
                   1
                                                    0
                                                               0
## 5
                                  0
                                         0
                                                    0
                                                               0
        1
                   1
## 6
        1
                   1
                                  0
                                         0
                                                    0
                                                               0
## 7
        1
                  1
                                  0
                                         0
                                                    0
                                                               0
## 8
                                  0
                                         0
                                                    0
                                                               0
                                                                        0
## 9
                   1
                                  0
                                         0
                                                    0
                                                               0
                                                                        0
         1
## 10
                   1
                                  0
                                         0
                                                    0
                                                               0
                                                                        0
## # ... with 131,756 more rows, and 4 more variables: concessions <dbl>,
      num_protests_day <dbl>, Start <dbl>, Stop <dbl>
```

PWP Model

```
# match start dates to match events with complete information
df_pwp_final <- df_pwp</pre>
# convert id to a double
df_pwp_final$id <- as.double(df_pwp_final$id)</pre>
# get number of protests that led to concessions
df_pwp_final <- df_pwp_final %>%
  group_by(id) %>%
  dplyr::mutate(row_count = row_number()) %>%
  filter(concessions == 1 | row_count == max(row_count)) %>%
  # dplyr::mutate(enum = if_else(concessions == 1,
                                  row number().
                                  as.integer(0))) %>%
  dplyr::mutate(enum = row_number()) %>%
  dplyr::mutate(enum = if_else(enum >= 8, 8, as.double(enum))) %>%
  ungroup()
# match start dates to events with complete info
df_pwp_final <- df_pwp_final %>%
  group_by(id) %>%
  dplyr::mutate(Start = lag(Stop)) %>%
  ungroup()
df_pwp_final$Start[is.na(df_pwp_final$Start)] <- 0</pre>
# continent variable
df_pwp_final <- df_pwp_final %>%
  dplyr::mutate(region = case_when(country_name %in% c("algeria", "egypt",
                                                     "kenya", "libya",
                                                    "madagascar", "morocco",
                                                 "sierra_leone", "south_sudan",
```

```
"sudan", "tanzania", "tunisia") ~ "Africa",
                               country_name %in% c("iraq", "jordan", "syria",
                                                    "turkey", "yemen") ~ "Middle East",
                               country_name %in% c("bahrain", "china",
                                                    "india", "pakistan",
                                                    "south_korea", "uzbekistan") ~ "Asia",
                               country_name %in% c("estonia", "ukraine") ~ "Europe",
                               TRUE ~ "Americas")) # Mexico, U.S.
pwp1 <- coxph(Surv(Stop, concessions) ~ cluster(id)+ strata(enum) + factor(tactical_choice, order = F)</pre>
              + region * strata(enum) + factor(geo_scope, order = F) * strata(enum) +
                factor(camp_goals, order = F) * strata(enum),
            data = df_pwp_final)
## Warning in fitter(X, Y, istrat, offset, init, control, weights = weights, : Ran
## out of iterations and did not converge
summary(pwp1)
## Call:
## coxph(formula = Surv(Stop, concessions) ~ strata(enum) + factor(tactical_choice,
       order = F) + region + factor(geo_scope, order = F) + factor(camp_goals,
##
       order = F) + strata(enum):factor(tactical_choice, order = F) +
##
       strata(enum):region + strata(enum):factor(geo_scope, order = F) +
       strata(enum):factor(camp_goals, order = F), data = df_pwp_final,
##
##
       cluster = id)
##
##
    n= 814, number of events= 492
##
      (21 observations deleted due to missingness)
##
##
                                                                                coef
## factor(tactical_choice, order = F)2
                                                                          -2.149e+00
## factor(tactical_choice, order = F)3
                                                                          -1.927e+00
## regionAmericas
                                                                          -5.196e-01
## regionAsia
                                                                          -5.415e-02
## regionEurope
                                                                           6.258e-01
## regionMiddle East
                                                                          -4.284e-02
## factor(geo_scope, order = F)regional
                                                                          -6.361e-02
## factor(geo_scope, order = F)national
                                                                           3.995e-01
## factor(geo_scope, order = F)international regional
                                                                          -8.997e-01
## factor(geo_scope, order = F)global
                                                                          -4.057e+00
## factor(camp_goals, order = F)Institutional Reform
                                                                           6.358e-01
## factor(camp_goals, order = F)Policy Change
                                                                           6.993e-01
## factor(camp_goals, order = F)Territorial Secession
                                                                           8.075e-01
## factor(camp_goals, order = F)Autonomy
                                                                           1.470e+00
## factor(camp_goals, order = F)Anti-occupation
                                                                          -4.336e+00
## factor(camp_goals, order = F)Unknown
                                                                          -1.182e-01
## strata(enum)enum=2:factor(tactical_choice, order = F)2
                                                                          -5.041e-01
## strata(enum)enum=3:factor(tactical_choice, order = F)2
                                                                          1.005e+00
## strata(enum)enum=4:factor(tactical_choice, order = F)2
                                                                           4.216e+00
## strata(enum)enum=5:factor(tactical_choice, order = F)2
                                                                           2.315e+00
## strata(enum)enum=6:factor(tactical_choice, order = F)2
                                                                          -9.061e+00
## strata(enum)enum=7:factor(tactical_choice, order = F)2
                                                                          -5.988e+00
```

1.366e+00

strata(enum)enum=8:factor(tactical_choice, order = F)2

```
## strata(enum)enum=2:factor(tactical_choice, order = F)3
                                                                          -8.606e-01
## strata(enum)enum=3:factor(tactical_choice, order = F)3
                                                                           9.057e-01
## strata(enum)enum=4:factor(tactical choice, order = F)3
                                                                          -1.796e+00
## strata(enum)enum=5:factor(tactical_choice, order = F)3
                                                                          -3.197e+00
## strata(enum)enum=6:factor(tactical_choice, order = F)3
                                                                           0.000e+00
## strata(enum)enum=7:factor(tactical choice, order = F)3
                                                                          -4.558e+00
## strata(enum)enum=8:factor(tactical choice, order = F)3
                                                                           8.395e-02
                                                                          -3.848e-02
## strata(enum)enum=2:regionAmericas
## strata(enum)enum=3:regionAmericas
                                                                          -9.490e-01
## strata(enum)enum=4:regionAmericas
                                                                           6.130e-01
## strata(enum)enum=5:regionAmericas
                                                                           3.339e+00
## strata(enum)enum=6:regionAmericas
                                                                           8.388e+00
## strata(enum)enum=7:regionAmericas
                                                                           1.691e+01
## strata(enum)enum=8:regionAmericas
                                                                           7.125e+00
## strata(enum)enum=2:regionAsia
                                                                          -5.271e-02
## strata(enum)enum=3:regionAsia
                                                                           1.075e-01
## strata(enum)enum=4:regionAsia
                                                                          -4.875e-01
## strata(enum)enum=5:regionAsia
                                                                           2.713e+00
## strata(enum)enum=6:regionAsia
                                                                           1.253e+01
## strata(enum)enum=7:regionAsia
                                                                           5.966e+00
## strata(enum)enum=8:regionAsia
                                                                           3.903e-02
## strata(enum)enum=2:regionEurope
                                                                          -1.242e+00
## strata(enum)enum=3:regionEurope
                                                                          -1.910e-01
## strata(enum)enum=4:regionEurope
                                                                          -7.360e-01
## strata(enum)enum=5:regionEurope
                                                                          -4.648e+00
## strata(enum)enum=6:regionEurope
                                                                           0.000e+00
## strata(enum)enum=7:regionEurope
                                                                           0.000e+00
## strata(enum)enum=8:regionEurope
                                                                           0.000e+00
## strata(enum)enum=2:regionMiddle East
                                                                          -1.226e+00
## strata(enum)enum=3:regionMiddle East
                                                                           4.664e-01
## strata(enum)enum=4:regionMiddle East
                                                                          -2.991e-01
## strata(enum)enum=5:regionMiddle East
                                                                           5.358e-01
## strata(enum)enum=6:regionMiddle East
                                                                           6.314e+00
## strata(enum)enum=7:regionMiddle East
                                                                           3.477e+00
## strata(enum)enum=8:regionMiddle East
                                                                           9.145e-01
## strata(enum)enum=2:factor(geo_scope, order = F)regional
                                                                           2.821e-01
## strata(enum)enum=3:factor(geo_scope, order = F)regional
                                                                          -6.792e-01
## strata(enum)enum=4:factor(geo_scope, order = F)regional
                                                                          -3.856e-01
## strata(enum)enum=5:factor(geo_scope, order = F)regional
                                                                           1.707e-01
## strata(enum)enum=6:factor(geo_scope, order = F)regional
                                                                           6.673e+00
## strata(enum)enum=7:factor(geo scope, order = F)regional
                                                                          -2.943e+00
## strata(enum)enum=8:factor(geo_scope, order = F)regional
                                                                           1.799e+00
## strata(enum)enum=2:factor(geo_scope, order = F)national
                                                                          -1.306e-01
## strata(enum)enum=3:factor(geo_scope, order = F)national
                                                                          -6.168e-01
## strata(enum)enum=4:factor(geo_scope, order = F)national
                                                                          -2.969e-01
## strata(enum)enum=5:factor(geo_scope, order = F)national
                                                                          -1.338e+00
## strata(enum)enum=6:factor(geo_scope, order = F)national
                                                                          -2.987e+00
## strata(enum)enum=7:factor(geo_scope, order = F)national
                                                                          -5.749e+00
## strata(enum)enum=8:factor(geo_scope, order = F)national
                                                                           1.152e+00
## strata(enum)enum=2:factor(geo_scope, order = F)international regional 3.889e+00
## strata(enum)enum=3:factor(geo_scope, order = F)international regional
                                                                           1.465e+00
## strata(enum)enum=4:factor(geo_scope, order = F)international regional
                                                                           2.086e+00
## strata(enum)enum=5:factor(geo_scope, order = F)international regional
                                                                           0.000e+00
## strata(enum)enum=6:factor(geo_scope, order = F)international regional
                                                                           0.000e+00
```

```
## strata(enum)enum=7:factor(geo_scope, order = F)international regional
## strata(enum)enum=8:factor(geo_scope, order = F)international regional
                                                                          0.000e+00
## strata(enum)enum=2:factor(geo_scope, order = F)global
                                                                          -4.005e-01
## strata(enum)enum=3:factor(geo_scope, order = F)global
                                                                           2.506e+00
## strata(enum)enum=4:factor(geo_scope, order = F)global
                                                                           0.000e+00
## strata(enum)enum=5:factor(geo_scope, order = F)global
                                                                           0.000e+00
## strata(enum)enum=6:factor(geo_scope, order = F)global
                                                                           0.000e+00
## strata(enum)enum=7:factor(geo_scope, order = F)global
                                                                           0.000e+00
## strata(enum)enum=8:factor(geo_scope, order = F)global
                                                                           5.198e+00
## strata(enum)enum=2:factor(camp_goals, order = F)Institutional Reform
                                                                         -6.112e-01
## strata(enum)enum=3:factor(camp_goals, order = F)Institutional Reform
                                                                          -1.085e-01
## strata(enum)enum=4:factor(camp_goals, order = F)Institutional Reform
                                                                           9.303e-01
## strata(enum)enum=5:factor(camp_goals, order = F)Institutional Reform
                                                                           1.693e+00
## strata(enum)enum=6:factor(camp_goals, order = F)Institutional Reform
                                                                          -7.753e-01
## strata(enum)enum=7:factor(camp_goals, order = F)Institutional Reform
                                                                          -4.438e+00
## strata(enum)enum=8:factor(camp_goals, order = F)Institutional Reform
                                                                          -4.744e-01
## strata(enum)enum=2:factor(camp_goals, order = F)Policy Change
                                                                          -8.215e-01
## strata(enum)enum=3:factor(camp_goals, order = F)Policy Change
                                                                          -1.388e+00
## strata(enum)enum=4:factor(camp_goals, order = F)Policy Change
                                                                           2.768e-01
## strata(enum)enum=5:factor(camp_goals, order = F)Policy Change
                                                                          -1.933e+00
## strata(enum)enum=6:factor(camp_goals, order = F)Policy Change
                                                                          -9.801e+00
## strata(enum)enum=7:factor(camp_goals, order = F)Policy Change
                                                                          -5.409e+00
## strata(enum)enum=8:factor(camp_goals, order = F)Policy Change
                                                                          -9.864e-01
## strata(enum)enum=2:factor(camp_goals, order = F)Territorial Secession 4.234e-01
## strata(enum)enum=3:factor(camp_goals, order = F)Territorial Secession
                                                                          0.000e+00
## strata(enum)enum=4:factor(camp_goals, order = F)Territorial Secession 0.000e+00
## strata(enum)enum=5:factor(camp_goals, order = F)Territorial Secession -6.594e+00
## strata(enum)enum=6:factor(camp_goals, order = F)Territorial Secession -1.487e+01
## strata(enum)enum=7:factor(camp_goals, order = F)Territorial Secession 0.000e+00
## strata(enum)enum=8:factor(camp_goals, order = F)Territorial Secession 0.000e+00
## strata(enum)enum=2:factor(camp_goals, order = F)Autonomy
                                                                          -4.742e-01
## strata(enum)enum=3:factor(camp_goals, order = F)Autonomy
                                                                          -1.805e+00
## strata(enum)enum=4:factor(camp_goals, order = F)Autonomy
                                                                           8.149e-01
## strata(enum)enum=5:factor(camp_goals, order = F)Autonomy
                                                                          -1.089e+00
## strata(enum)enum=6:factor(camp_goals, order = F)Autonomy
                                                                          -1.326e+01
## strata(enum)enum=7:factor(camp_goals, order = F)Autonomy
                                                                           0.000e+00
## strata(enum)enum=8:factor(camp_goals, order = F)Autonomy
                                                                           3.896e-01
## strata(enum)enum=2:factor(camp_goals, order = F)Anti-occupation
                                                                           0.000e+00
## strata(enum)enum=3:factor(camp_goals, order = F)Anti-occupation
                                                                           0.000e+00
                                                                           0.000e+00
## strata(enum)enum=4:factor(camp_goals, order = F)Anti-occupation
## strata(enum)enum=5:factor(camp_goals, order = F)Anti-occupation
                                                                           0.000e+00
## strata(enum)enum=6:factor(camp_goals, order = F)Anti-occupation
                                                                           0.000e+00
## strata(enum)enum=7:factor(camp_goals, order = F)Anti-occupation
                                                                           0.000e+00
                                                                           0.000e+00
## strata(enum)enum=8:factor(camp_goals, order = F)Anti-occupation
## strata(enum)enum=2:factor(camp_goals, order = F)Unknown
                                                                           5.709e-01
## strata(enum)enum=3:factor(camp_goals, order = F)Unknown
                                                                           1.984e-01
## strata(enum)enum=4:factor(camp_goals, order = F)Unknown
                                                                           1.501e+00
## strata(enum)enum=5:factor(camp_goals, order = F)Unknown
                                                                          -7.791e+00
## strata(enum)enum=6:factor(camp_goals, order = F)Unknown
                                                                           0.000e+00
## strata(enum)enum=7:factor(camp_goals, order = F)Unknown
                                                                           0.000e+00
## strata(enum)enum=8:factor(camp_goals, order = F)Unknown
                                                                           3.201e+00
                                                                           exp(coef)
## factor(tactical_choice, order = F)2
                                                                           1.166e-01
## factor(tactical choice, order = F)3
                                                                           1.456e-01
```

```
5.948e-01
## regionAmericas
## regionAsia
                                                                           9.473e-01
## regionEurope
                                                                           1.870e+00
## regionMiddle East
                                                                           9.581e-01
## factor(geo_scope, order = F)regional
                                                                           9.384e-01
## factor(geo scope, order = F)national
                                                                           1.491e+00
## factor(geo scope, order = F)international regional
                                                                           4.067e-01
## factor(geo scope, order = F)global
                                                                           1.729e-02
## factor(camp goals, order = F)Institutional Reform
                                                                           1.888e+00
## factor(camp_goals, order = F)Policy Change
                                                                           2.012e+00
## factor(camp_goals, order = F)Territorial Secession
                                                                           2.242e+00
## factor(camp_goals, order = F)Autonomy
                                                                           4.351e+00
## factor(camp_goals, order = F)Anti-occupation
                                                                           1.309e-02
## factor(camp_goals, order = F)Unknown
                                                                           8.885e-01
## strata(enum)enum=2:factor(tactical_choice, order = F)2
                                                                           6.041e-01
## strata(enum)enum=3:factor(tactical_choice, order = F)2
                                                                           2.732e+00
## strata(enum)enum=4:factor(tactical_choice, order = F)2
                                                                           6.779e+01
## strata(enum)enum=5:factor(tactical choice, order = F)2
                                                                           1.013e+01
## strata(enum)enum=6:factor(tactical_choice, order = F)2
                                                                           1.161e-04
## strata(enum)enum=7:factor(tactical choice, order = F)2
                                                                           2.508e-03
## strata(enum)enum=8:factor(tactical_choice, order = F)2
                                                                           3.918e+00
## strata(enum)enum=2:factor(tactical choice, order = F)3
                                                                           4.229e-01
## strata(enum)enum=3:factor(tactical_choice, order = F)3
                                                                           2.474e+00
## strata(enum)enum=4:factor(tactical_choice, order = F)3
                                                                           1.660e-01
## strata(enum)enum=5:factor(tactical choice, order = F)3
                                                                           4.088e-02
## strata(enum)enum=6:factor(tactical choice, order = F)3
                                                                           1.000e+00
## strata(enum)enum=7:factor(tactical_choice, order = F)3
                                                                           1.048e-02
## strata(enum)enum=8:factor(tactical_choice, order = F)3
                                                                           1.088e+00
## strata(enum)enum=2:regionAmericas
                                                                           9.623e-01
## strata(enum)enum=3:regionAmericas
                                                                           3.871e-01
## strata(enum)enum=4:regionAmericas
                                                                           1.846e+00
## strata(enum)enum=5:regionAmericas
                                                                           2.818e+01
## strata(enum)enum=6:regionAmericas
                                                                           4.395e+03
## strata(enum)enum=7:regionAmericas
                                                                           2.217e+07
## strata(enum)enum=8:regionAmericas
                                                                           1.243e+03
## strata(enum)enum=2:regionAsia
                                                                           9.487e-01
## strata(enum)enum=3:regionAsia
                                                                           1.114e+00
## strata(enum)enum=4:regionAsia
                                                                           6.142e-01
## strata(enum)enum=5:regionAsia
                                                                           1.508e+01
## strata(enum)enum=6:regionAsia
                                                                           2.756e+05
## strata(enum)enum=7:regionAsia
                                                                           3.901e+02
## strata(enum)enum=8:regionAsia
                                                                           1.040e+00
## strata(enum)enum=2:regionEurope
                                                                           2.888e-01
## strata(enum)enum=3:regionEurope
                                                                           8.261e-01
## strata(enum)enum=4:regionEurope
                                                                           4.790e-01
## strata(enum)enum=5:regionEurope
                                                                           9.584e-03
## strata(enum)enum=6:regionEurope
                                                                           1.000e+00
## strata(enum)enum=7:regionEurope
                                                                           1.000e+00
## strata(enum)enum=8:regionEurope
                                                                           1.000e+00
## strata(enum)enum=2:regionMiddle East
                                                                           2.934e-01
## strata(enum)enum=3:regionMiddle East
                                                                           1.594e+00
## strata(enum)enum=4:regionMiddle East
                                                                           7.414e-01
## strata(enum)enum=5:regionMiddle East
                                                                           1.709e+00
## strata(enum)enum=6:regionMiddle East
                                                                           5.525e+02
```

```
## strata(enum)enum=7:regionMiddle East
                                                                           3.237e+01
## strata(enum)enum=8:regionMiddle East
                                                                           2.495e+00
## strata(enum)enum=2:factor(geo scope, order = F)regional
                                                                           1.326e+00
## strata(enum)enum=3:factor(geo_scope, order = F)regional
                                                                           5.070e-01
## strata(enum)enum=4:factor(geo_scope, order = F)regional
                                                                           6.801e-01
## strata(enum)enum=5:factor(geo_scope, order = F)regional
                                                                           1.186e+00
## strata(enum)enum=6:factor(geo_scope, order = F)regional
                                                                           7.910e+02
## strata(enum)enum=7:factor(geo_scope, order = F)regional
                                                                           5.271e-02
## strata(enum)enum=8:factor(geo_scope, order = F)regional
                                                                           6.046e+00
## strata(enum)enum=2:factor(geo_scope, order = F)national
                                                                           8.776e-01
## strata(enum)enum=3:factor(geo_scope, order = F)national
                                                                           5.396e-01
## strata(enum)enum=4:factor(geo_scope, order = F)national
                                                                           7.431e-01
## strata(enum)enum=5:factor(geo_scope, order = F)national
                                                                           2.624e-01
## strata(enum)enum=6:factor(geo_scope, order = F)national
                                                                           5.043e-02
## strata(enum)enum=7:factor(geo_scope, order = F)national
                                                                           3.185e-03
## strata(enum)enum=8:factor(geo_scope, order = F)national
                                                                           3.165e+00
## strata(enum)enum=2:factor(geo_scope, order = F)international regional
                                                                           4.884e+01
## strata(enum)enum=3:factor(geo scope, order = F)international regional
                                                                           4.328e+00
## strata(enum)enum=4:factor(geo_scope, order = F)international regional
                                                                           8.049e+00
## strata(enum)enum=5:factor(geo_scope, order = F)international regional
                                                                           1.000e+00
                                                                           1.000e+00
## strata(enum)enum=6:factor(geo_scope, order = F)international regional
## strata(enum)enum=7:factor(geo_scope, order = F)international regional
                                                                           1.000e+00
## strata(enum)enum=8:factor(geo_scope, order = F)international regional
                                                                           1.000e+00
## strata(enum)enum=2:factor(geo_scope, order = F)global
                                                                           6.700e-01
## strata(enum)enum=3:factor(geo_scope, order = F)global
                                                                           1.225e+01
## strata(enum)enum=4:factor(geo_scope, order = F)global
                                                                           1.000e+00
## strata(enum)enum=5:factor(geo_scope, order = F)global
                                                                           1.000e+00
## strata(enum)enum=6:factor(geo_scope, order = F)global
                                                                           1.000e+00
## strata(enum)enum=7:factor(geo_scope, order = F)global
                                                                           1.000e+00
## strata(enum)enum=8:factor(geo_scope, order = F)global
                                                                           1.808e+02
## strata(enum)enum=2:factor(camp_goals, order = F)Institutional Reform
                                                                           5.427e-01
## strata(enum)enum=3:factor(camp_goals, order = F)Institutional Reform
                                                                           8.971e-01
## strata(enum)enum=4:factor(camp_goals, order = F)Institutional Reform
                                                                           2.535e+00
## strata(enum)enum=5:factor(camp_goals, order = F)Institutional Reform
                                                                           5.438e+00
## strata(enum)enum=6:factor(camp_goals, order = F)Institutional Reform
                                                                           4.606e-01
## strata(enum)enum=7:factor(camp_goals, order = F)Institutional Reform
                                                                           1.182e-02
## strata(enum)enum=8:factor(camp_goals, order = F)Institutional Reform
                                                                           6.222e-01
## strata(enum)enum=2:factor(camp_goals, order = F)Policy Change
                                                                           4.398e-01
## strata(enum)enum=3:factor(camp_goals, order = F)Policy Change
                                                                           2.495e-01
## strata(enum)enum=4:factor(camp_goals, order = F)Policy Change
                                                                           1.319e+00
## strata(enum)enum=5:factor(camp goals, order = F)Policy Change
                                                                           1.448e-01
## strata(enum)enum=6:factor(camp_goals, order = F)Policy Change
                                                                           5.540e-05
## strata(enum)enum=7:factor(camp_goals, order = F)Policy Change
                                                                           4.477e-03
## strata(enum)enum=8:factor(camp_goals, order = F)Policy Change
                                                                           3.729e-01
## strata(enum)enum=2:factor(camp_goals, order = F)Territorial Secession
                                                                           1.527e+00
## strata(enum)enum=3:factor(camp_goals, order = F)Territorial Secession
                                                                           1.000e+00
## strata(enum)enum=4:factor(camp_goals, order = F)Territorial Secession
                                                                           1.000e+00
## strata(enum)enum=5:factor(camp_goals, order = F)Territorial Secession
                                                                           1.368e-03
## strata(enum)enum=6:factor(camp_goals, order = F)Territorial Secession
                                                                           3.497e-07
## strata(enum)enum=7:factor(camp_goals, order = F)Territorial Secession
                                                                           1.000e+00
## strata(enum)enum=8:factor(camp_goals, order = F)Territorial Secession
                                                                           1.000e+00
## strata(enum)enum=2:factor(camp_goals, order = F)Autonomy
                                                                           6.224e-01
## strata(enum)enum=3:factor(camp_goals, order = F)Autonomy
                                                                           1.645e-01
## strata(enum)enum=4:factor(camp goals, order = F)Autonomy
                                                                           2.259e+00
```

```
## strata(enum)enum=5:factor(camp_goals, order = F)Autonomy
                                                                           3.365e-01
## strata(enum)enum=6:factor(camp_goals, order = F)Autonomy
                                                                           1.736e-06
## strata(enum)enum=7:factor(camp goals, order = F)Autonomy
                                                                           1.000e+00
## strata(enum)enum=8:factor(camp_goals, order = F)Autonomy
                                                                           1.476e+00
## strata(enum)enum=2:factor(camp_goals, order = F)Anti-occupation
                                                                           1.000e+00
## strata(enum)enum=3:factor(camp goals, order = F)Anti-occupation
                                                                           1.000e+00
## strata(enum)enum=4:factor(camp goals, order = F)Anti-occupation
                                                                           1.000e+00
## strata(enum)enum=5:factor(camp_goals, order = F)Anti-occupation
                                                                           1.000e+00
## strata(enum)enum=6:factor(camp_goals, order = F)Anti-occupation
                                                                           1.000e+00
## strata(enum)enum=7:factor(camp_goals, order = F)Anti-occupation
                                                                           1.000e+00
## strata(enum)enum=8:factor(camp_goals, order = F)Anti-occupation
                                                                           1.000e+00
## strata(enum)enum=2:factor(camp_goals, order = F)Unknown
                                                                           1.770e+00
## strata(enum)enum=3:factor(camp_goals, order = F)Unknown
                                                                           1.219e+00
## strata(enum)enum=4:factor(camp_goals, order = F)Unknown
                                                                           4.488e+00
## strata(enum)enum=5:factor(camp_goals, order = F)Unknown
                                                                           4.134e-04
## strata(enum)enum=6:factor(camp_goals, order = F)Unknown
                                                                           1.000e+00
## strata(enum)enum=7:factor(camp_goals, order = F)Unknown
                                                                           1.000e+00
## strata(enum)enum=8:factor(camp_goals, order = F)Unknown
                                                                           2.456e+01
                                                                            se(coef)
## factor(tactical_choice, order = F)2
                                                                           2.839e-01
## factor(tactical_choice, order = F)3
                                                                           2.345e-01
## regionAmericas
                                                                           2.278e-01
## regionAsia
                                                                           1.124e-01
## regionEurope
                                                                           1.936e-01
## regionMiddle East
                                                                           1.440e-01
## factor(geo_scope, order = F)regional
                                                                           9.878e-02
## factor(geo_scope, order = F)national
                                                                           1.049e-01
## factor(geo_scope, order = F)international regional
                                                                           5.260e-01
## factor(geo_scope, order = F)global
                                                                           7.010e-01
## factor(camp_goals, order = F)Institutional Reform
                                                                           1.480e-01
## factor(camp_goals, order = F)Policy Change
                                                                           1.066e-01
## factor(camp_goals, order = F)Territorial Secession
                                                                           3.821e-01
## factor(camp_goals, order = F)Autonomy
                                                                           2.068e-01
## factor(camp_goals, order = F)Anti-occupation
                                                                           5.343e+00
## factor(camp goals, order = F)Unknown
                                                                           2.376e-01
## strata(enum)enum=2:factor(tactical_choice, order = F)2
                                                                           7.281e-01
## strata(enum)enum=3:factor(tactical choice, order = F)2
                                                                           7.261e-01
## strata(enum)enum=4:factor(tactical_choice, order = F)2
                                                                           1.022e+00
## strata(enum)enum=5:factor(tactical_choice, order = F)2
                                                                           8.890e-01
## strata(enum)enum=6:factor(tactical_choice, order = F)2
                                                                           7.552e-01
## strata(enum)enum=7:factor(tactical choice, order = F)2
                                                                           1.160e+00
## strata(enum)enum=8:factor(tactical choice, order = F)2
                                                                           1.016e+00
## strata(enum)enum=2:factor(tactical choice, order = F)3
                                                                           7.048e-01
## strata(enum)enum=3:factor(tactical_choice, order = F)3
                                                                           5.229e-01
## strata(enum)enum=4:factor(tactical_choice, order = F)3
                                                                           2.717e+00
## strata(enum)enum=5:factor(tactical_choice, order = F)3
                                                                           4.171e+00
## strata(enum)enum=6:factor(tactical_choice, order = F)3
                                                                           0.000e+00
## strata(enum)enum=7:factor(tactical_choice, order = F)3
                                                                           1.122e+00
## strata(enum)enum=8:factor(tactical_choice, order = F)3
                                                                           4.555e-01
## strata(enum)enum=2:regionAmericas
                                                                           4.668e-01
## strata(enum)enum=3:regionAmericas
                                                                           7.260e-01
## strata(enum)enum=4:regionAmericas
                                                                           7.512e-01
## strata(enum)enum=5:regionAmericas
                                                                           2.580e+00
## strata(enum)enum=6:regionAmericas
                                                                           4.151e+02
```

```
## strata(enum)enum=7:regionAmericas
                                                                           2.224e+02
## strata(enum)enum=8:regionAmericas
                                                                           4.869e-01
## strata(enum)enum=2:regionAsia
                                                                           2.595e-01
## strata(enum)enum=3:regionAsia
                                                                           3.038e-01
## strata(enum)enum=4:regionAsia
                                                                           4.677e-01
## strata(enum)enum=5:regionAsia
                                                                           7.610e-01
## strata(enum)enum=6:regionAsia
                                                                           7.573e-01
## strata(enum)enum=7:regionAsia
                                                                           7.076e-01
## strata(enum)enum=8:regionAsia
                                                                           2.223e-01
## strata(enum)enum=2:regionEurope
                                                                           3.981e-01
## strata(enum)enum=3:regionEurope
                                                                           4.360e-01
## strata(enum)enum=4:regionEurope
                                                                           7.466e-01
## strata(enum)enum=5:regionEurope
                                                                           6.039e+00
## strata(enum)enum=6:regionEurope
                                                                           0.000e+00
## strata(enum)enum=7:regionEurope
                                                                           0.000e+00
## strata(enum)enum=8:regionEurope
                                                                           0.000e+00
## strata(enum)enum=2:regionMiddle East
                                                                           3.425e-01
## strata(enum)enum=3:regionMiddle East
                                                                           3.937e-01
## strata(enum)enum=4:regionMiddle East
                                                                           4.717e-01
## strata(enum)enum=5:regionMiddle East
                                                                           7.812e-01
                                                                           1.280e+00
## strata(enum)enum=6:regionMiddle East
## strata(enum)enum=7:regionMiddle East
                                                                           9.424e-01
## strata(enum)enum=8:regionMiddle East
                                                                           1.005e+00
## strata(enum)enum=2:factor(geo scope, order = F)regional
                                                                           2.223e-01
## strata(enum)enum=3:factor(geo_scope, order = F)regional
                                                                           2.799e-01
## strata(enum)enum=4:factor(geo scope, order = F)regional
                                                                           3.882e-01
## strata(enum)enum=5:factor(geo_scope, order = F)regional
                                                                           7.007e-01
## strata(enum)enum=6:factor(geo_scope, order = F)regional
                                                                           7.300e-01
## strata(enum)enum=7:factor(geo_scope, order = F)regional
                                                                           6.770e-01
## strata(enum)enum=8:factor(geo_scope, order = F)regional
                                                                           2.214e-01
## strata(enum)enum=2:factor(geo_scope, order = F)national
                                                                           2.415e-01
## strata(enum)enum=3:factor(geo_scope, order = F)national
                                                                           2.838e-01
## strata(enum)enum=4:factor(geo_scope, order = F)national
                                                                           4.125e-01
## strata(enum)enum=5:factor(geo_scope, order = F)national
                                                                           6.214e-01
## strata(enum)enum=6:factor(geo scope, order = F)national
                                                                           8.488e-01
## strata(enum)enum=7:factor(geo_scope, order = F)national
                                                                           7.717e-01
## strata(enum)enum=8:factor(geo_scope, order = F)national
                                                                           2.386e-01
## strata(enum)enum=2:factor(geo_scope, order = F)international regional
                                                                           1.092e+00
## strata(enum)enum=3:factor(geo_scope, order = F)international regional
                                                                           1.027e+00
## strata(enum)enum=4:factor(geo_scope, order = F)international regional
                                                                           1.094e+00
## strata(enum)enum=5:factor(geo scope, order = F)international regional
                                                                           0.000e+00
## strata(enum)enum=6:factor(geo_scope, order = F)international regional
                                                                           0.000e+00
## strata(enum)enum=7:factor(geo_scope, order = F)international regional
                                                                           0.000e+00
## strata(enum)enum=8:factor(geo_scope, order = F)international regional
                                                                           0.000e+00
## strata(enum)enum=2:factor(geo_scope, order = F)global
                                                                           4.976e+00
## strata(enum)enum=3:factor(geo_scope, order = F)global
                                                                           1.013e+00
## strata(enum)enum=4:factor(geo_scope, order = F)global
                                                                           0.000e+00
## strata(enum)enum=5:factor(geo_scope, order = F)global
                                                                           0.000e+00
## strata(enum)enum=6:factor(geo_scope, order = F)global
                                                                           0.000e+00
## strata(enum)enum=7:factor(geo_scope, order = F)global
                                                                           0.000e+00
## strata(enum)enum=8:factor(geo_scope, order = F)global
                                                                           1.015e+00
## strata(enum)enum=2:factor(camp_goals, order = F)Institutional Reform
                                                                           3.388e-01
## strata(enum)enum=3:factor(camp_goals, order = F)Institutional Reform
                                                                           4.097e-01
## strata(enum)enum=4:factor(camp_goals, order = F)Institutional Reform
                                                                           4.462e-01
```

```
## strata(enum)enum=5:factor(camp_goals, order = F)Institutional Reform
                                                                           1.001e+00
## strata(enum)enum=6:factor(camp_goals, order = F)Institutional Reform
                                                                           8.461e-01
                                                                           6.880e-01
## strata(enum)enum=7:factor(camp_goals, order = F)Institutional Reform
## strata(enum)enum=8:factor(camp_goals, order = F)Institutional Reform
                                                                           3.936e-01
## strata(enum)enum=2:factor(camp_goals, order = F)Policy Change
                                                                           2.300e-01
## strata(enum)enum=3:factor(camp_goals, order = F)Policy Change
                                                                           2.835e-01
## strata(enum)enum=4:factor(camp goals, order = F)Policy Change
                                                                           3.987e-01
## strata(enum)enum=5:factor(camp_goals, order = F)Policy Change
                                                                           6.038e-01
## strata(enum)enum=6:factor(camp_goals, order = F)Policy Change
                                                                           7.109e-01
## strata(enum)enum=7:factor(camp_goals, order = F)Policy Change
                                                                           7.601e-01
## strata(enum)enum=8:factor(camp_goals, order = F)Policy Change
                                                                           2.555e-01
## strata(enum)enum=2:factor(camp_goals, order = F)Territorial Secession
                                                                           5.931e-01
## strata(enum)enum=3:factor(camp_goals, order = F)Territorial Secession
                                                                           0.000e+00
## strata(enum)enum=4:factor(camp_goals, order = F)Territorial Secession
                                                                           0.000e+00
## strata(enum)enum=5:factor(camp_goals, order = F)Territorial Secession
                                                                           6.011e+00
## strata(enum)enum=6:factor(camp_goals, order = F)Territorial Secession
                                                                           3.365e+00
## strata(enum)enum=7:factor(camp_goals, order = F)Territorial Secession
                                                                           0.000e+00
## strata(enum)enum=8:factor(camp_goals, order = F)Territorial Secession
                                                                           0.000e+00
## strata(enum)enum=2:factor(camp_goals, order = F)Autonomy
                                                                           7.228e-01
## strata(enum)enum=3:factor(camp_goals, order = F)Autonomy
                                                                           7.254e-01
## strata(enum)enum=4:factor(camp_goals, order = F)Autonomy
                                                                           1.030e+00
## strata(enum)enum=5:factor(camp_goals, order = F)Autonomy
                                                                           1.115e+00
## strata(enum)enum=6:factor(camp_goals, order = F)Autonomy
                                                                           7.159e+00
## strata(enum)enum=7:factor(camp_goals, order = F)Autonomy
                                                                           0.000e+00
## strata(enum)enum=8:factor(camp_goals, order = F)Autonomy
                                                                           2.592e-01
## strata(enum)enum=2:factor(camp_goals, order = F)Anti-occupation
                                                                           5.343e+00
## strata(enum)enum=3:factor(camp_goals, order = F)Anti-occupation
                                                                           0.000e+00
## strata(enum)enum=4:factor(camp_goals, order = F)Anti-occupation
                                                                           0.000e+00
## strata(enum)enum=5:factor(camp_goals, order = F)Anti-occupation
                                                                           0.000e+00
## strata(enum)enum=6:factor(camp_goals, order = F)Anti-occupation
                                                                           0.000e+00
## strata(enum)enum=7:factor(camp_goals, order = F)Anti-occupation
                                                                           0.000e+00
## strata(enum)enum=8:factor(camp_goals, order = F)Anti-occupation
                                                                           0.000e+00
## strata(enum)enum=2:factor(camp_goals, order = F)Unknown
                                                                           4.261e-01
## strata(enum)enum=3:factor(camp_goals, order = F)Unknown
                                                                           4.722e-01
## strata(enum)enum=4:factor(camp_goals, order = F)Unknown
                                                                           5.567e+00
## strata(enum)enum=5:factor(camp_goals, order = F)Unknown
                                                                           4.370e+00
## strata(enum)enum=6:factor(camp goals, order = F)Unknown
                                                                           0.000e+00
## strata(enum)enum=7:factor(camp_goals, order = F)Unknown
                                                                           1.160e+00
## strata(enum)enum=8:factor(camp_goals, order = F)Unknown
                                                                           6.990e-01
##
                                                                           robust se
## factor(tactical choice, order = F)2
                                                                           2.139e-01
## factor(tactical_choice, order = F)3
                                                                           3.387e-01
## regionAmericas
                                                                           1.558e-01
## regionAsia
                                                                           1.107e-01
## regionEurope
                                                                           2.328e-01
## regionMiddle East
                                                                           2.191e-01
## factor(geo_scope, order = F)regional
                                                                           1.143e-01
## factor(geo_scope, order = F)national
                                                                           1.049e-01
## factor(geo_scope, order = F)international regional
                                                                           4.234e-01
## factor(geo_scope, order = F)global
                                                                           6.648e-01
## factor(camp_goals, order = F)Institutional Reform
                                                                           1.638e-01
                                                                           1.317e-01
## factor(camp_goals, order = F)Policy Change
## factor(camp_goals, order = F)Territorial Secession
                                                                           4.601e-01
## factor(camp_goals, order = F)Autonomy
                                                                           3.697e-01
```

```
## factor(camp_goals, order = F)Anti-occupation
                                                                           1.012e+00
## factor(camp_goals, order = F)Unknown
                                                                           2.598e-01
## strata(enum)enum=2:factor(tactical choice, order = F)2
                                                                           6.582e-01
## strata(enum)enum=3:factor(tactical_choice, order = F)2
                                                                           8.910e-01
## strata(enum)enum=4:factor(tactical_choice, order = F)2
                                                                           3.297e-01
## strata(enum)enum=5:factor(tactical choice, order = F)2
                                                                           6.591e-01
## strata(enum)enum=6:factor(tactical choice, order = F)2
                                                                           5.674e-01
## strata(enum)enum=7:factor(tactical_choice, order = F)2
                                                                           2.432e-01
## strata(enum)enum=8:factor(tactical choice, order = F)2
                                                                           1.751e-01
## strata(enum)enum=2:factor(tactical_choice, order = F)3
                                                                           7.582e-01
## strata(enum)enum=3:factor(tactical_choice, order = F)3
                                                                           5.244e-01
## strata(enum)enum=4:factor(tactical_choice, order = F)3
                                                                           4.874e-01
## strata(enum)enum=5:factor(tactical_choice, order = F)3
                                                                           1.006e+00
## strata(enum)enum=6:factor(tactical_choice, order = F)3
                                                                           0.000e+00
## strata(enum)enum=7:factor(tactical_choice, order = F)3
                                                                           1.162e+00
## strata(enum)enum=8:factor(tactical_choice, order = F)3
                                                                           8.389e-01
## strata(enum)enum=2:regionAmericas
                                                                           3.919e-01
## strata(enum)enum=3:regionAmericas
                                                                           6.315e-01
## strata(enum)enum=4:regionAmericas
                                                                           7.666e-01
## strata(enum)enum=5:regionAmericas
                                                                           4.085e-01
## strata(enum)enum=6:regionAmericas
                                                                           5.423e-01
## strata(enum)enum=7:regionAmericas
                                                                           5.889e-01
## strata(enum)enum=8:regionAmericas
                                                                           6.840e-01
## strata(enum)enum=2:regionAsia
                                                                           2.174e-01
## strata(enum)enum=3:regionAsia
                                                                           3.186e-01
## strata(enum)enum=4:regionAsia
                                                                           4.589e-01
## strata(enum)enum=5:regionAsia
                                                                           6.418e-01
## strata(enum)enum=6:regionAsia
                                                                           5.317e-01
## strata(enum)enum=7:regionAsia
                                                                           5.879e-01
## strata(enum)enum=8:regionAsia
                                                                           2.656e-01
## strata(enum)enum=2:regionEurope
                                                                           3.341e-01
## strata(enum)enum=3:regionEurope
                                                                           3.309e-01
## strata(enum)enum=4:regionEurope
                                                                           5.941e-01
## strata(enum)enum=5:regionEurope
                                                                           1.016e+00
## strata(enum)enum=6:regionEurope
                                                                           0.000e+00
## strata(enum)enum=7:regionEurope
                                                                           0.000e+00
## strata(enum)enum=8:regionEurope
                                                                           0.000e+00
## strata(enum)enum=2:regionMiddle East
                                                                           4.368e-01
## strata(enum)enum=3:regionMiddle East
                                                                           4.909e-01
## strata(enum)enum=4:regionMiddle East
                                                                           3.815e-01
## strata(enum)enum=5:regionMiddle East
                                                                           8.687e-01
## strata(enum)enum=6:regionMiddle East
                                                                           8.342e-01
## strata(enum)enum=7:regionMiddle East
                                                                           1.055e+00
## strata(enum)enum=8:regionMiddle East
                                                                           1.093e+00
## strata(enum)enum=2:factor(geo_scope, order = F)regional
                                                                           2.102e-01
## strata(enum)enum=3:factor(geo_scope, order = F)regional
                                                                           2.819e-01
## strata(enum)enum=4:factor(geo_scope, order = F)regional
                                                                           3.495e-01
## strata(enum)enum=5:factor(geo_scope, order = F)regional
                                                                           5.542e-01
## strata(enum)enum=6:factor(geo_scope, order = F)regional
                                                                           5.830e-01
## strata(enum)enum=7:factor(geo_scope, order = F)regional
                                                                           5.036e-01
## strata(enum)enum=8:factor(geo_scope, order = F)regional
                                                                           2.835e-01
## strata(enum)enum=2:factor(geo_scope, order = F)national
                                                                           1.923e-01
## strata(enum)enum=3:factor(geo_scope, order = F)national
                                                                           2.735e-01
## strata(enum)enum=4:factor(geo_scope, order = F)national
                                                                           3.746e-01
```

```
## strata(enum)enum=5:factor(geo_scope, order = F)national
                                                                           5.035e-01
## strata(enum)enum=6:factor(geo_scope, order = F)national
                                                                           7.920e-01
## strata(enum)enum=7:factor(geo_scope, order = F)national
                                                                           7.013e-01
## strata(enum)enum=8:factor(geo_scope, order = F)national
                                                                           2.406e-01
## strata(enum)enum=2:factor(geo_scope, order = F)international regional
                                                                           4.516e-01
## strata(enum)enum=3:factor(geo_scope, order = F)international regional
                                                                           1.055e+00
## strata(enum)enum=4:factor(geo_scope, order = F)international regional
                                                                           4.585e-01
## strata(enum)enum=5:factor(geo_scope, order = F)international regional
                                                                           0.000e+00
## strata(enum)enum=6:factor(geo_scope, order = F)international regional
                                                                           0.000e+00
## strata(enum)enum=7:factor(geo_scope, order = F)international regional
                                                                           0.000e+00
## strata(enum)enum=8:factor(geo_scope, order = F)international regional
                                                                           0.000e+00
## strata(enum)enum=2:factor(geo_scope, order = F)global
                                                                           1.028e+00
## strata(enum)enum=3:factor(geo_scope, order = F)global
                                                                           1.350e+00
## strata(enum)enum=4:factor(geo_scope, order = F)global
                                                                           0.000e+00
## strata(enum)enum=5:factor(geo_scope, order = F)global
                                                                           0.000e+00
## strata(enum)enum=6:factor(geo_scope, order = F)global
                                                                           0.000e+00
## strata(enum)enum=7:factor(geo_scope, order = F)global
                                                                           0.000e+00
## strata(enum)enum=8:factor(geo_scope, order = F)global
                                                                           1.997e-01
## strata(enum)enum=2:factor(camp_goals, order = F)Institutional Reform
                                                                           2.945e-01
## strata(enum)enum=3:factor(camp_goals, order = F)Institutional Reform
                                                                           4.373e-01
                                                                           3.395e-01
## strata(enum)enum=4:factor(camp_goals, order = F)Institutional Reform
## strata(enum)enum=5:factor(camp_goals, order = F)Institutional Reform
                                                                           4.454e-01
## strata(enum)enum=6:factor(camp_goals, order = F)Institutional Reform
                                                                           7.216e-01
## strata(enum)enum=7:factor(camp_goals, order = F)Institutional Reform
                                                                           5.311e-01
## strata(enum)enum=8:factor(camp_goals, order = F)Institutional Reform
                                                                           4.023e-01
## strata(enum)enum=2:factor(camp_goals, order = F)Policy Change
                                                                           2.168e-01
## strata(enum)enum=3:factor(camp_goals, order = F)Policy Change
                                                                           2.883e-01
## strata(enum)enum=4:factor(camp_goals, order = F)Policy Change
                                                                           3.280e-01
## strata(enum)enum=5:factor(camp_goals, order = F)Policy Change
                                                                           4.424e-01
## strata(enum)enum=6:factor(camp_goals, order = F)Policy Change
                                                                           5.275e-01
## strata(enum)enum=7:factor(camp_goals, order = F)Policy Change
                                                                           6.662e-01
## strata(enum)enum=8:factor(camp_goals, order = F)Policy Change
                                                                           4.021e-01
## strata(enum)enum=2:factor(camp_goals, order = F)Territorial Secession
                                                                           8.909e-01
## strata(enum)enum=3:factor(camp_goals, order = F)Territorial Secession
                                                                           0.000e+00
## strata(enum)enum=4:factor(camp_goals, order = F)Territorial Secession
                                                                           0.000e+00
## strata(enum)enum=5:factor(camp_goals, order = F)Territorial Secession
                                                                           1.075e+00
## strata(enum)enum=6:factor(camp_goals, order = F)Territorial Secession
                                                                           1.003e+00
## strata(enum)enum=7:factor(camp_goals, order = F)Territorial Secession
                                                                           0.000e+00
## strata(enum)enum=8:factor(camp_goals, order = F)Territorial Secession
                                                                           0.000e+00
## strata(enum)enum=2:factor(camp_goals, order = F)Autonomy
                                                                           4.393e-01
## strata(enum)enum=3:factor(camp goals, order = F)Autonomy
                                                                           6.544e-01
## strata(enum)enum=4:factor(camp_goals, order = F)Autonomy
                                                                           2.619e-01
## strata(enum)enum=5:factor(camp_goals, order = F)Autonomy
                                                                           3.183e-01
## strata(enum)enum=6:factor(camp_goals, order = F)Autonomy
                                                                           1.064e+00
## strata(enum)enum=7:factor(camp_goals, order = F)Autonomy
                                                                           0.000e+00
## strata(enum)enum=8:factor(camp_goals, order = F)Autonomy
                                                                           5.504e-01
## strata(enum)enum=2:factor(camp_goals, order = F)Anti-occupation
                                                                           1.012e+00
## strata(enum)enum=3:factor(camp_goals, order = F)Anti-occupation
                                                                           0.000e+00
## strata(enum)enum=4:factor(camp_goals, order = F)Anti-occupation
                                                                           0.000e+00
## strata(enum)enum=5:factor(camp_goals, order = F)Anti-occupation
                                                                           0.000e+00
## strata(enum)enum=6:factor(camp_goals, order = F)Anti-occupation
                                                                           0.000e+00
## strata(enum)enum=7:factor(camp_goals, order = F)Anti-occupation
                                                                           0.000e+00
## strata(enum)enum=8:factor(camp_goals, order = F)Anti-occupation
                                                                           0.000e+00
## strata(enum)enum=2:factor(camp goals, order = F)Unknown
                                                                           5.373e-01
```

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## strata(enum)enum=3:factor(camp_goals, order = F)Unknown
                                                                           4.070e-01
## strata(enum)enum=4:factor(camp_goals, order = F)Unknown
                                                                           1.020e+00
## strata(enum)enum=5:factor(camp goals, order = F)Unknown
                                                                           8.719e-01
## strata(enum)enum=6:factor(camp_goals, order = F)Unknown
                                                                           0.000e+00
## strata(enum)enum=7:factor(camp_goals, order = F)Unknown
                                                                           2.432e-01
## strata(enum)enum=8:factor(camp goals, order = F)Unknown
                                                                           8.692e-01
## factor(tactical_choice, order = F)2
                                                                          -10.043
## factor(tactical choice, order = F)3
                                                                           -5.689
                                                                           -3.335
## regionAmericas
## regionAsia
                                                                           -0.489
## regionEurope
                                                                            2.688
## regionMiddle East
                                                                           -0.196
## factor(geo_scope, order = F)regional
                                                                           -0.557
## factor(geo_scope, order = F)national
                                                                            3.810
## factor(geo_scope, order = F)international regional
                                                                           -2.125
## factor(geo_scope, order = F)global
                                                                           -6.103
## factor(camp_goals, order = F)Institutional Reform
                                                                            3.881
## factor(camp_goals, order = F)Policy Change
                                                                            5.308
## factor(camp_goals, order = F)Territorial Secession
                                                                            1.755
## factor(camp_goals, order = F)Autonomy
                                                                            3.977
## factor(camp_goals, order = F)Anti-occupation
                                                                           -4.282
## factor(camp_goals, order = F)Unknown
                                                                           -0.455
## strata(enum)enum=2:factor(tactical choice, order = F)2
                                                                           -0.766
## strata(enum)enum=3:factor(tactical_choice, order = F)2
                                                                            1.128
## strata(enum)enum=4:factor(tactical choice, order = F)2
                                                                           12.789
## strata(enum)enum=5:factor(tactical_choice, order = F)2
                                                                            3.513
## strata(enum)enum=6:factor(tactical_choice, order = F)2
                                                                          -15.969
## strata(enum)enum=7:factor(tactical_choice, order = F)2
                                                                          -24.620
## strata(enum)enum=8:factor(tactical_choice, order = F)2
                                                                            7.798
## strata(enum)enum=2:factor(tactical_choice, order = F)3
                                                                           -1.135
## strata(enum)enum=3:factor(tactical_choice, order = F)3
                                                                            1.727
## strata(enum)enum=4:factor(tactical_choice, order = F)3
                                                                           -3.684
## strata(enum)enum=5:factor(tactical_choice, order = F)3
                                                                           -3.179
## strata(enum)enum=6:factor(tactical choice, order = F)3
                                                                               NA
## strata(enum)enum=7:factor(tactical_choice, order = F)3
                                                                           -3.923
## strata(enum)enum=8:factor(tactical choice, order = F)3
                                                                            0.100
## strata(enum)enum=2:regionAmericas
                                                                           -0.098
## strata(enum)enum=3:regionAmericas
                                                                           -1.503
## strata(enum)enum=4:regionAmericas
                                                                            0.800
## strata(enum)enum=5:regionAmericas
                                                                            8.173
## strata(enum)enum=6:regionAmericas
                                                                           15.467
## strata(enum)enum=7:regionAmericas
                                                                           28.721
## strata(enum)enum=8:regionAmericas
                                                                           10.417
## strata(enum)enum=2:regionAsia
                                                                           -0.242
## strata(enum)enum=3:regionAsia
                                                                            0.338
## strata(enum)enum=4:regionAsia
                                                                           -1.062
## strata(enum)enum=5:regionAsia
                                                                            4.227
## strata(enum)enum=6:regionAsia
                                                                           23.558
## strata(enum)enum=7:regionAsia
                                                                           10.149
## strata(enum)enum=8:regionAsia
                                                                            0.147
## strata(enum)enum=2:regionEurope
                                                                           -3.718
## strata(enum)enum=3:regionEurope
                                                                           -0.577
## strata(enum)enum=4:regionEurope
                                                                           -1.239
```

```
## strata(enum)enum=5:regionEurope
                                                                           -4.573
## strata(enum)enum=6:regionEurope
                                                                               NΑ
## strata(enum)enum=7:regionEurope
                                                                               NA
## strata(enum)enum=8:regionEurope
                                                                               NA
## strata(enum)enum=2:regionMiddle East
                                                                           -2.807
## strata(enum)enum=3:regionMiddle East
                                                                            0.950
## strata(enum)enum=4:regionMiddle East
                                                                           -0.784
## strata(enum)enum=5:regionMiddle East
                                                                            0.617
## strata(enum)enum=6:regionMiddle East
                                                                            7.570
## strata(enum)enum=7:regionMiddle East
                                                                            3.295
## strata(enum)enum=8:regionMiddle East
                                                                            0.837
## strata(enum)enum=2:factor(geo_scope, order = F)regional
                                                                            1.342
## strata(enum)enum=3:factor(geo_scope, order = F)regional
                                                                           -2.409
## strata(enum)enum=4:factor(geo_scope, order = F)regional
                                                                           -1.103
## strata(enum)enum=5:factor(geo_scope, order = F)regional
                                                                            0.308
## strata(enum)enum=6:factor(geo_scope, order = F)regional
                                                                           11.446
## strata(enum)enum=7:factor(geo_scope, order = F)regional
                                                                           -5.844
## strata(enum)enum=8:factor(geo_scope, order = F)regional
                                                                            6.347
## strata(enum)enum=2:factor(geo_scope, order = F)national
                                                                           -0.679
## strata(enum)enum=3:factor(geo_scope, order = F)national
                                                                           -2.255
## strata(enum)enum=4:factor(geo_scope, order = F)national
                                                                           -0.792
## strata(enum)enum=5:factor(geo_scope, order = F)national
                                                                           -2.657
## strata(enum)enum=6:factor(geo_scope, order = F)national
                                                                           -3.772
## strata(enum)enum=7:factor(geo_scope, order = F)national
                                                                           -8.198
## strata(enum)enum=8:factor(geo_scope, order = F)national
                                                                            4.789
## strata(enum)enum=2:factor(geo_scope, order = F)international regional
                                                                            8.610
## strata(enum)enum=3:factor(geo_scope, order = F)international regional
                                                                            1.389
## strata(enum)enum=4:factor(geo_scope, order = F)international regional
                                                                            4.549
## strata(enum)enum=5:factor(geo_scope, order = F)international regional
                                                                               NΑ
## strata(enum)enum=6:factor(geo_scope, order = F)international regional
                                                                               NA
## strata(enum)enum=7:factor(geo_scope, order = F)international regional
                                                                               NA
## strata(enum)enum=8:factor(geo_scope, order = F)international regional
                                                                               NA
## strata(enum)enum=2:factor(geo_scope, order = F)global
                                                                           -0.390
## strata(enum)enum=3:factor(geo_scope, order = F)global
                                                                            1.856
## strata(enum)enum=4:factor(geo_scope, order = F)global
                                                                               NA
## strata(enum)enum=5:factor(geo_scope, order = F)global
                                                                               NA
## strata(enum)enum=6:factor(geo_scope, order = F)global
                                                                               NA
## strata(enum)enum=7:factor(geo_scope, order = F)global
                                                                               NA
## strata(enum)enum=8:factor(geo_scope, order = F)global
                                                                           26.026
## strata(enum)enum=2:factor(camp_goals, order = F)Institutional Reform
                                                                           -2.075
## strata(enum)enum=3:factor(camp goals, order = F)Institutional Reform
                                                                           -0.248
## strata(enum)enum=4:factor(camp_goals, order = F)Institutional Reform
                                                                            2.740
## strata(enum)enum=5:factor(camp_goals, order = F)Institutional Reform
                                                                            3.802
## strata(enum)enum=6:factor(camp_goals, order = F)Institutional Reform
                                                                           -1.074
## strata(enum)enum=7:factor(camp_goals, order = F)Institutional Reform
                                                                           -8.357
## strata(enum)enum=8:factor(camp_goals, order = F)Institutional Reform
                                                                           -1.179
## strata(enum)enum=2:factor(camp_goals, order = F)Policy Change
                                                                           -3.790
## strata(enum)enum=3:factor(camp_goals, order = F)Policy Change
                                                                           -4.816
## strata(enum)enum=4:factor(camp_goals, order = F)Policy Change
                                                                            0.844
## strata(enum)enum=5:factor(camp_goals, order = F)Policy Change
                                                                           -4.368
## strata(enum)enum=6:factor(camp_goals, order = F)Policy Change
                                                                          -18.580
## strata(enum)enum=7:factor(camp_goals, order = F)Policy Change
                                                                           -8.118
## strata(enum)enum=8:factor(camp_goals, order = F)Policy Change
                                                                           -2.453
## strata(enum)enum=2:factor(camp_goals, order = F)Territorial Secession
                                                                            0.475
```

```
## strata(enum)enum=3:factor(camp_goals, order = F)Territorial Secession
                                                                               NA
## strata(enum)enum=4:factor(camp_goals, order = F)Territorial Secession
                                                                               NΑ
## strata(enum)enum=5:factor(camp_goals, order = F)Territorial Secession -6.136
## strata(enum)enum=6:factor(camp_goals, order = F)Territorial Secession -14.818
## strata(enum)enum=7:factor(camp_goals, order = F)Territorial Secession
## strata(enum)enum=8:factor(camp_goals, order = F)Territorial Secession
                                                                               NA
## strata(enum)enum=2:factor(camp_goals, order = F)Autonomy
                                                                           -1.079
## strata(enum)enum=3:factor(camp_goals, order = F)Autonomy
                                                                           -2.759
## strata(enum)enum=4:factor(camp_goals, order = F)Autonomy
                                                                            3.112
## strata(enum)enum=5:factor(camp_goals, order = F)Autonomy
                                                                           -3.422
## strata(enum)enum=6:factor(camp_goals, order = F)Autonomy
                                                                          -12.462
## strata(enum)enum=7:factor(camp_goals, order = F)Autonomy
                                                                               NA
## strata(enum)enum=8:factor(camp_goals, order = F)Autonomy
                                                                            0.708
                                                                            0.000
## strata(enum)enum=2:factor(camp_goals, order = F)Anti-occupation
## strata(enum)enum=3:factor(camp_goals, order = F)Anti-occupation
                                                                               NΑ
## strata(enum)enum=4:factor(camp_goals, order = F)Anti-occupation
                                                                               NA
## strata(enum)enum=5:factor(camp_goals, order = F)Anti-occupation
                                                                               NA
## strata(enum)enum=6:factor(camp_goals, order = F)Anti-occupation
                                                                               NA
## strata(enum)enum=7:factor(camp_goals, order = F)Anti-occupation
                                                                               NA
## strata(enum)enum=8:factor(camp_goals, order = F)Anti-occupation
                                                                               NA
## strata(enum)enum=2:factor(camp_goals, order = F)Unknown
                                                                            1.063
## strata(enum)enum=3:factor(camp_goals, order = F)Unknown
                                                                            0.488
## strata(enum)enum=4:factor(camp_goals, order = F)Unknown
                                                                            1.472
## strata(enum)enum=5:factor(camp_goals, order = F)Unknown
                                                                           -8.936
## strata(enum)enum=6:factor(camp_goals, order = F)Unknown
                                                                               NΑ
## strata(enum)enum=7:factor(camp_goals, order = F)Unknown
                                                                            0.000
## strata(enum)enum=8:factor(camp_goals, order = F)Unknown
                                                                            3.683
                                                                          Pr(>|z|)
## factor(tactical_choice, order = F)2
                                                                           < 2e-16
## factor(tactical_choice, order = F)3
                                                                          1.27e-08
## regionAmericas
                                                                          0.000854
## regionAsia
                                                                          0.624837
## regionEurope
                                                                          0.007188
## regionMiddle East
                                                                          0.844990
## factor(geo_scope, order = F)regional
                                                                          0.577830
## factor(geo_scope, order = F)national
                                                                          0.000139
## factor(geo_scope, order = F)international regional
                                                                          0.033618
## factor(geo_scope, order = F)global
                                                                          1.04e-09
## factor(camp_goals, order = F)Institutional Reform
                                                                          0.000104
## factor(camp_goals, order = F)Policy Change
                                                                          1.11e-07
## factor(camp_goals, order = F)Territorial Secession
                                                                          0.079284
## factor(camp_goals, order = F)Autonomy
                                                                          6.97e-05
## factor(camp_goals, order = F)Anti-occupation
                                                                          1.85e-05
## factor(camp_goals, order = F)Unknown
                                                                          0.649162
## strata(enum)enum=2:factor(tactical_choice, order = F)2
                                                                          0.443725
## strata(enum)enum=3:factor(tactical_choice, order = F)2
                                                                          0.259347
## strata(enum)enum=4:factor(tactical_choice, order = F)2
                                                                           < 2e-16
## strata(enum)enum=5:factor(tactical_choice, order = F)2
                                                                          0.000443
## strata(enum)enum=6:factor(tactical_choice, order = F)2
                                                                           < 2e-16
## strata(enum)enum=7:factor(tactical_choice, order = F)2
                                                                           < 2e-16
## strata(enum)enum=8:factor(tactical_choice, order = F)2
                                                                          6.29e-15
## strata(enum)enum=2:factor(tactical choice, order = F)3
                                                                          0.256359
## strata(enum)enum=3:factor(tactical_choice, order = F)3
                                                                          0.084115
## strata(enum)enum=4:factor(tactical_choice, order = F)3
                                                                          0.000230
```

```
## strata(enum)enum=5:factor(tactical_choice, order = F)3
                                                                          0.001479
## strata(enum)enum=6:factor(tactical_choice, order = F)3
                                                                                NΑ
## strata(enum)enum=7:factor(tactical choice, order = F)3
                                                                          8.74e-05
## strata(enum)enum=8:factor(tactical_choice, order = F)3
                                                                          0.920288
## strata(enum)enum=2:regionAmericas
                                                                          0.921788
## strata(enum)enum=3:regionAmericas
                                                                          0.132912
## strata(enum)enum=4:regionAmericas
                                                                          0.423918
## strata(enum)enum=5:regionAmericas
                                                                          3.00e-16
## strata(enum)enum=6:regionAmericas
                                                                           < 2e-16
## strata(enum)enum=7:regionAmericas
                                                                           < 2e-16
## strata(enum)enum=8:regionAmericas
                                                                           < 2e-16
## strata(enum)enum=2:regionAsia
                                                                          0.808438
## strata(enum)enum=3:regionAsia
                                                                          0.735685
## strata(enum)enum=4:regionAsia
                                                                          0.288131
## strata(enum)enum=5:regionAsia
                                                                          2.37e-05
## strata(enum)enum=6:regionAsia
                                                                           < 2e-16
## strata(enum)enum=7:regionAsia
                                                                           < 2e-16
## strata(enum)enum=8:regionAsia
                                                                          0.883157
## strata(enum)enum=2:regionEurope
                                                                          0.000201
## strata(enum)enum=3:regionEurope
                                                                          0.563733
## strata(enum)enum=4:regionEurope
                                                                          0.215416
## strata(enum)enum=5:regionEurope
                                                                          4.81e-06
## strata(enum)enum=6:regionEurope
                                                                                NΑ
## strata(enum)enum=7:regionEurope
                                                                                NΑ
## strata(enum)enum=8:regionEurope
                                                                                NΑ
## strata(enum)enum=2:regionMiddle East
                                                                          0.005000
## strata(enum)enum=3:regionMiddle East
                                                                          0.342096
## strata(enum)enum=4:regionMiddle East
                                                                          0.432957
## strata(enum)enum=5:regionMiddle East
                                                                          0.537356
## strata(enum)enum=6:regionMiddle East
                                                                          3.74e-14
## strata(enum)enum=7:regionMiddle East
                                                                          0.000985
## strata(enum)enum=8:regionMiddle East
                                                                          0.402782
## strata(enum)enum=2:factor(geo_scope, order = F)regional
                                                                          0.179567
## strata(enum)enum=3:factor(geo_scope, order = F)regional
                                                                          0.015987
## strata(enum)enum=4:factor(geo scope, order = F)regional
                                                                          0.269882
## strata(enum)enum=5:factor(geo_scope, order = F)regional
                                                                          0.758099
## strata(enum)enum=6:factor(geo_scope, order = F)regional
                                                                           < 2e-16
## strata(enum)enum=7:factor(geo_scope, order = F)regional
                                                                          5.10e-09
## strata(enum)enum=8:factor(geo_scope, order = F)regional
                                                                          2.19e-10
## strata(enum)enum=2:factor(geo_scope, order = F)national
                                                                          0.497121
## strata(enum)enum=3:factor(geo scope, order = F)national
                                                                          0.024110
## strata(enum)enum=4:factor(geo_scope, order = F)national
                                                                          0.428123
## strata(enum)enum=5:factor(geo_scope, order = F)national
                                                                          0.007885
## strata(enum)enum=6:factor(geo_scope, order = F)national
                                                                          0.000162
## strata(enum)enum=7:factor(geo_scope, order = F)national
                                                                          2.45e-16
## strata(enum)enum=8:factor(geo_scope, order = F)national
                                                                          1.68e-06
## strata(enum)enum=2:factor(geo_scope, order = F)international regional < 2e-16
## strata(enum)enum=3:factor(geo_scope, order = F)international regional 0.164814
## strata(enum)enum=4:factor(geo_scope, order = F)international regional 5.40e-06
## strata(enum)enum=5:factor(geo_scope, order = F)international regional
                                                                                NA
## strata(enum)enum=6:factor(geo_scope, order = F)international regional
                                                                                NA
## strata(enum)enum=7:factor(geo_scope, order = F)international regional
                                                                                NΑ
## strata(enum)enum=8:factor(geo_scope, order = F)international regional
                                                                                NA
## strata(enum)enum=2:factor(geo_scope, order = F)global
                                                                          0.696788
```

```
## strata(enum)enum=3:factor(geo_scope, order = F)global
                                                                          0.063446
## strata(enum)enum=4:factor(geo_scope, order = F)global
                                                                                NΑ
## strata(enum)enum=5:factor(geo_scope, order = F)global
                                                                                NA
## strata(enum)enum=6:factor(geo_scope, order = F)global
                                                                                NA
## strata(enum)enum=7:factor(geo_scope, order = F)global
                                                                                NΑ
## strata(enum)enum=8:factor(geo scope, order = F)global
                                                                           < 2e-16
## strata(enum)enum=2:factor(camp goals, order = F)Institutional Reform
                                                                         0.037957
## strata(enum)enum=3:factor(camp_goals, order = F)Institutional Reform
                                                                         0.803966
## strata(enum)enum=4:factor(camp_goals, order = F)Institutional Reform
                                                                          0.006148
## strata(enum)enum=5:factor(camp_goals, order = F)Institutional Reform
                                                                         0.000144
## strata(enum)enum=6:factor(camp_goals, order = F)Institutional Reform
                                                                         0.282636
## strata(enum)enum=7:factor(camp_goals, order = F)Institutional Reform
                                                                           < 2e-16
## strata(enum)enum=8:factor(camp_goals, order = F)Institutional Reform 0.238275
## strata(enum)enum=2:factor(camp_goals, order = F)Policy Change
                                                                          0.000151
## strata(enum)enum=3:factor(camp_goals, order = F)Policy Change
                                                                          1.46e-06
## strata(enum)enum=4:factor(camp_goals, order = F)Policy Change
                                                                          0.398713
## strata(enum)enum=5:factor(camp_goals, order = F)Policy Change
                                                                          1.25e-05
## strata(enum)enum=6:factor(camp_goals, order = F)Policy Change
                                                                           < 2e-16
## strata(enum)enum=7:factor(camp_goals, order = F)Policy Change
                                                                          4.72e-16
## strata(enum)enum=8:factor(camp_goals, order = F)Policy Change
                                                                          0.014161
## strata(enum)enum=2:factor(camp_goals, order = F)Territorial Secession 0.634629
## strata(enum)enum=3:factor(camp_goals, order = F)Territorial Secession
## strata(enum)enum=4:factor(camp_goals, order = F)Territorial Secession
                                                                                NA
## strata(enum)enum=5:factor(camp_goals, order = F)Territorial Secession 8.47e-10
## strata(enum)enum=6:factor(camp_goals, order = F)Territorial Secession
## strata(enum)enum=7:factor(camp goals, order = F)Territorial Secession
                                                                                NA
## strata(enum)enum=8:factor(camp_goals, order = F)Territorial Secession
                                                                                NA
## strata(enum)enum=2:factor(camp_goals, order = F)Autonomy
                                                                          0.280394
## strata(enum)enum=3:factor(camp_goals, order = F)Autonomy
                                                                          0.005806
## strata(enum)enum=4:factor(camp_goals, order = F)Autonomy
                                                                          0.001858
## strata(enum)enum=5:factor(camp_goals, order = F)Autonomy
                                                                          0.000622
## strata(enum)enum=6:factor(camp_goals, order = F)Autonomy
                                                                           < 2e-16
## strata(enum)enum=7:factor(camp_goals, order = F)Autonomy
                                                                                NA
## strata(enum)enum=8:factor(camp_goals, order = F)Autonomy
                                                                          0.479067
## strata(enum)enum=2:factor(camp goals, order = F)Anti-occupation
                                                                          1.000000
## strata(enum)enum=3:factor(camp_goals, order = F)Anti-occupation
                                                                                NΑ
## strata(enum)enum=4:factor(camp_goals, order = F)Anti-occupation
                                                                                NA
## strata(enum)enum=5:factor(camp_goals, order = F)Anti-occupation
                                                                               NA
## strata(enum)enum=6:factor(camp_goals, order = F)Anti-occupation
                                                                                NA
## strata(enum)enum=7:factor(camp_goals, order = F)Anti-occupation
                                                                                NA
## strata(enum)enum=8:factor(camp goals, order = F)Anti-occupation
                                                                                NΑ
## strata(enum)enum=2:factor(camp_goals, order = F)Unknown
                                                                          0.287994
## strata(enum)enum=3:factor(camp_goals, order = F)Unknown
                                                                          0.625862
## strata(enum)enum=4:factor(camp_goals, order = F)Unknown
                                                                          0.140894
## strata(enum)enum=5:factor(camp_goals, order = F)Unknown
                                                                           < 2e-16
## strata(enum)enum=6:factor(camp_goals, order = F)Unknown
                                                                                NA
                                                                          1.000000
## strata(enum)enum=7:factor(camp_goals, order = F)Unknown
## strata(enum)enum=8:factor(camp_goals, order = F)Unknown
                                                                          0.000230
## factor(tactical_choice, order = F)2
## factor(tactical_choice, order = F)3
## regionAmericas
## regionAsia
## regionEurope
```

```
## regionMiddle East
## factor(geo_scope, order = F)regional
## factor(geo scope, order = F)national
                                                                          ***
## factor(geo_scope, order = F)international regional
## factor(geo_scope, order = F)global
## factor(camp goals, order = F)Institutional Reform
                                                                          ***
## factor(camp goals, order = F)Policy Change
                                                                          ***
## factor(camp goals, order = F)Territorial Secession
## factor(camp_goals, order = F)Autonomy
## factor(camp_goals, order = F)Anti-occupation
                                                                          ***
## factor(camp_goals, order = F)Unknown
## strata(enum)enum=2:factor(tactical_choice, order = F)2
## strata(enum)enum=3:factor(tactical_choice, order = F)2
## strata(enum)enum=4:factor(tactical_choice, order = F)2
                                                                          ***
## strata(enum)enum=5:factor(tactical_choice, order = F)2
                                                                          ***
## strata(enum)enum=6:factor(tactical_choice, order = F)2
## strata(enum)enum=7:factor(tactical_choice, order = F)2
                                                                          ***
## strata(enum)enum=8:factor(tactical choice, order = F)2
## strata(enum)enum=2:factor(tactical_choice, order = F)3
## strata(enum)enum=3:factor(tactical_choice, order = F)3
## strata(enum)enum=4:factor(tactical_choice, order = F)3
                                                                          ***
## strata(enum)enum=5:factor(tactical_choice, order = F)3
## strata(enum)enum=6:factor(tactical_choice, order = F)3
## strata(enum)enum=7:factor(tactical choice, order = F)3
## strata(enum)enum=8:factor(tactical choice, order = F)3
## strata(enum)enum=2:regionAmericas
## strata(enum)enum=3:regionAmericas
## strata(enum)enum=4:regionAmericas
## strata(enum)enum=5:regionAmericas
                                                                          ***
## strata(enum)enum=6:regionAmericas
                                                                          ***
## strata(enum)enum=7:regionAmericas
                                                                          ***
## strata(enum)enum=8:regionAmericas
                                                                          ***
## strata(enum)enum=2:regionAsia
## strata(enum)enum=3:regionAsia
## strata(enum)enum=4:regionAsia
## strata(enum)enum=5:regionAsia
                                                                          ***
## strata(enum)enum=6:regionAsia
## strata(enum)enum=7:regionAsia
                                                                          ***
## strata(enum)enum=8:regionAsia
## strata(enum)enum=2:regionEurope
                                                                          ***
## strata(enum)enum=3:regionEurope
## strata(enum)enum=4:regionEurope
## strata(enum)enum=5:regionEurope
                                                                          ***
## strata(enum)enum=6:regionEurope
## strata(enum)enum=7:regionEurope
## strata(enum)enum=8:regionEurope
## strata(enum)enum=2:regionMiddle East
                                                                          **
## strata(enum)enum=3:regionMiddle East
## strata(enum)enum=4:regionMiddle East
## strata(enum)enum=5:regionMiddle East
## strata(enum)enum=6:regionMiddle East
                                                                          ***
## strata(enum)enum=7:regionMiddle East
                                                                          ***
## strata(enum)enum=8:regionMiddle East
## strata(enum)enum=2:factor(geo scope, order = F)regional
```

```
## strata(enum)enum=3:factor(geo_scope, order = F)regional
## strata(enum)enum=4:factor(geo_scope, order = F)regional
## strata(enum)enum=5:factor(geo_scope, order = F)regional
## strata(enum)enum=6:factor(geo_scope, order = F)regional
## strata(enum)enum=7:factor(geo_scope, order = F)regional
## strata(enum)enum=8:factor(geo_scope, order = F)regional
## strata(enum)enum=2:factor(geo_scope, order = F)national
## strata(enum)enum=3:factor(geo_scope, order = F)national
## strata(enum)enum=4:factor(geo_scope, order = F)national
## strata(enum)enum=5:factor(geo_scope, order = F)national
## strata(enum)enum=6:factor(geo_scope, order = F)national
## strata(enum)enum=7:factor(geo_scope, order = F)national
                                                                          ***
## strata(enum)enum=8:factor(geo_scope, order = F)national
                                                                          ***
## strata(enum)enum=2:factor(geo_scope, order = F)international regional ***
## strata(enum)enum=3:factor(geo_scope, order = F)international regional
## strata(enum)enum=4:factor(geo_scope, order = F)international regional ***
## strata(enum)enum=5:factor(geo_scope, order = F)international regional
## strata(enum)enum=6:factor(geo_scope, order = F)international regional
## strata(enum)enum=7:factor(geo_scope, order = F)international regional
## strata(enum)enum=8:factor(geo_scope, order = F)international regional
## strata(enum)enum=2:factor(geo_scope, order = F)global
## strata(enum)enum=3:factor(geo_scope, order = F)global
## strata(enum)enum=4:factor(geo_scope, order = F)global
## strata(enum)enum=5:factor(geo_scope, order = F)global
## strata(enum)enum=6:factor(geo_scope, order = F)global
## strata(enum)enum=7:factor(geo_scope, order = F)global
## strata(enum)enum=8:factor(geo_scope, order = F)global
                                                                          ***
## strata(enum)enum=2:factor(camp_goals, order = F)Institutional Reform
## strata(enum)enum=3:factor(camp_goals, order = F)Institutional Reform
## strata(enum)enum=4:factor(camp_goals, order = F)Institutional Reform
## strata(enum)enum=5:factor(camp_goals, order = F)Institutional Reform
## strata(enum)enum=6:factor(camp_goals, order = F)Institutional Reform
## strata(enum)enum=7:factor(camp_goals, order = F)Institutional Reform
## strata(enum)enum=8:factor(camp_goals, order = F)Institutional Reform
## strata(enum)enum=2:factor(camp_goals, order = F)Policy Change
## strata(enum)enum=3:factor(camp_goals, order = F)Policy Change
                                                                          ***
## strata(enum)enum=4:factor(camp_goals, order = F)Policy Change
## strata(enum)enum=5:factor(camp_goals, order = F)Policy Change
## strata(enum)enum=6:factor(camp_goals, order = F)Policy Change
## strata(enum)enum=7:factor(camp_goals, order = F)Policy Change
                                                                          ***
## strata(enum)enum=8:factor(camp_goals, order = F)Policy Change
## strata(enum)enum=2:factor(camp_goals, order = F)Territorial Secession
## strata(enum)enum=3:factor(camp_goals, order = F)Territorial Secession
## strata(enum)enum=4:factor(camp_goals, order = F)Territorial Secession
## strata(enum)enum=5:factor(camp_goals, order = F)Territorial Secession ***
## strata(enum)enum=6:factor(camp_goals, order = F)Territorial Secession ***
## strata(enum)enum=7:factor(camp_goals, order = F)Territorial Secession
## strata(enum)enum=8:factor(camp_goals, order = F)Territorial Secession
## strata(enum)enum=2:factor(camp_goals, order = F)Autonomy
## strata(enum)enum=3:factor(camp_goals, order = F)Autonomy
## strata(enum)enum=4:factor(camp_goals, order = F)Autonomy
## strata(enum)enum=5:factor(camp_goals, order = F)Autonomy
## strata(enum)enum=6:factor(camp_goals, order = F)Autonomy
                                                                          ***
## strata(enum)enum=7:factor(camp goals, order = F)Autonomy
```

```
## strata(enum)enum=8:factor(camp_goals, order = F)Autonomy
## strata(enum)enum=2:factor(camp_goals, order = F)Anti-occupation
## strata(enum)enum=3:factor(camp_goals, order = F)Anti-occupation
## strata(enum)enum=4:factor(camp_goals, order = F)Anti-occupation
## strata(enum)enum=5:factor(camp_goals, order = F)Anti-occupation
## strata(enum)enum=6:factor(camp_goals, order = F)Anti-occupation
## strata(enum)enum=7:factor(camp_goals, order = F)Anti-occupation
## strata(enum)enum=8:factor(camp_goals, order = F)Anti-occupation
## strata(enum)enum=2:factor(camp_goals, order = F)Unknown
## strata(enum)enum=3:factor(camp_goals, order = F)Unknown
## strata(enum)enum=4:factor(camp_goals, order = F)Unknown
## strata(enum)enum=5:factor(camp_goals, order = F)Unknown
                                                                          ***
## strata(enum)enum=6:factor(camp_goals, order = F)Unknown
## strata(enum)enum=7:factor(camp_goals, order = F)Unknown
## strata(enum)enum=8:factor(camp_goals, order = F)Unknown
                                                                          ***
## ---
## Signif. codes: 0 '***' 0.001 '**' 0.05 '.' 0.1 ' ' 1
##
                                                                         exp(coef)
## factor(tactical_choice, order = F)2
                                                                         1.166e-01
## factor(tactical_choice, order = F)3
                                                                         1.456e-01
## regionAmericas
                                                                         5.948e-01
## regionAsia
                                                                         9.473e-01
## regionEurope
                                                                         1.870e+00
## regionMiddle East
                                                                         9.581e-01
## factor(geo_scope, order = F)regional
                                                                         9.384e-01
## factor(geo_scope, order = F)national
                                                                         1.491e+00
## factor(geo_scope, order = F)international regional
                                                                         4.067e-01
## factor(geo_scope, order = F)global
                                                                         1.729e-02
## factor(camp_goals, order = F)Institutional Reform
                                                                         1.888e+00
## factor(camp_goals, order = F)Policy Change
                                                                         2.012e+00
## factor(camp_goals, order = F)Territorial Secession
                                                                         2.242e+00
## factor(camp_goals, order = F)Autonomy
                                                                         4.351e+00
## factor(camp_goals, order = F)Anti-occupation
                                                                         1.309e-02
## factor(camp_goals, order = F)Unknown
                                                                         8.885e-01
## strata(enum)enum=2:factor(tactical_choice, order = F)2
                                                                         6.041e-01
## strata(enum)enum=3:factor(tactical choice, order = F)2
                                                                         2.732e+00
## strata(enum)enum=4:factor(tactical_choice, order = F)2
                                                                         6.779e+01
## strata(enum)enum=5:factor(tactical_choice, order = F)2
                                                                         1.013e+01
## strata(enum)enum=6:factor(tactical_choice, order = F)2
                                                                         1.161e-04
## strata(enum)enum=7:factor(tactical choice, order = F)2
                                                                         2.508e-03
## strata(enum)enum=8:factor(tactical choice, order = F)2
                                                                         3.918e+00
## strata(enum)enum=2:factor(tactical choice, order = F)3
                                                                         4.229e-01
## strata(enum)enum=3:factor(tactical_choice, order = F)3
                                                                         2.474e+00
## strata(enum)enum=4:factor(tactical_choice, order = F)3
                                                                         1.660e-01
## strata(enum)enum=5:factor(tactical_choice, order = F)3
                                                                         4.088e-02
## strata(enum)enum=6:factor(tactical_choice, order = F)3
                                                                         1.000e+00
## strata(enum)enum=7:factor(tactical_choice, order = F)3
                                                                         1.048e-02
## strata(enum)enum=8:factor(tactical_choice, order = F)3
                                                                         1.088e+00
## strata(enum)enum=2:regionAmericas
                                                                         9.623e-01
## strata(enum)enum=3:regionAmericas
                                                                         3.871e-01
## strata(enum)enum=4:regionAmericas
                                                                         1.846e+00
## strata(enum)enum=5:regionAmericas
                                                                         2.818e+01
## strata(enum)enum=6:regionAmericas
                                                                         4.395e+03
```

```
## strata(enum)enum=7:regionAmericas
                                                                          2.217e+07
## strata(enum)enum=8:regionAmericas
                                                                          1.243e+03
## strata(enum)enum=2:regionAsia
                                                                          9.487e-01
## strata(enum)enum=3:regionAsia
                                                                          1.114e+00
## strata(enum)enum=4:regionAsia
                                                                          6.142e-01
## strata(enum)enum=5:regionAsia
                                                                          1.508e+01
## strata(enum)enum=6:regionAsia
                                                                          2.756e+05
## strata(enum)enum=7:regionAsia
                                                                          3.901e+02
## strata(enum)enum=8:regionAsia
                                                                          1.040e+00
## strata(enum)enum=2:regionEurope
                                                                          2.888e-01
## strata(enum)enum=3:regionEurope
                                                                          8.261e-01
## strata(enum)enum=4:regionEurope
                                                                          4.790e-01
## strata(enum)enum=5:regionEurope
                                                                          9.584e-03
## strata(enum)enum=6:regionEurope
                                                                          1.000e+00
## strata(enum)enum=7:regionEurope
                                                                          1.000e+00
## strata(enum)enum=8:regionEurope
                                                                          1.000e+00
## strata(enum)enum=2:regionMiddle East
                                                                          2.934e-01
## strata(enum)enum=3:regionMiddle East
                                                                          1.594e+00
## strata(enum)enum=4:regionMiddle East
                                                                          7.414e-01
## strata(enum)enum=5:regionMiddle East
                                                                          1.709e+00
## strata(enum)enum=6:regionMiddle East
                                                                          5.525e+02
## strata(enum)enum=7:regionMiddle East
                                                                          3.237e+01
## strata(enum)enum=8:regionMiddle East
                                                                          2.495e+00
## strata(enum)enum=2:factor(geo scope, order = F)regional
                                                                          1.326e+00
## strata(enum)enum=3:factor(geo_scope, order = F)regional
                                                                          5.070e-01
## strata(enum)enum=4:factor(geo_scope, order = F)regional
                                                                          6.801e-01
## strata(enum)enum=5:factor(geo_scope, order = F)regional
                                                                          1.186e+00
## strata(enum)enum=6:factor(geo_scope, order = F)regional
                                                                          7.910e+02
## strata(enum)enum=7:factor(geo_scope, order = F)regional
                                                                          5.271e-02
## strata(enum)enum=8:factor(geo_scope, order = F)regional
                                                                          6.046e+00
## strata(enum)enum=2:factor(geo_scope, order = F)national
                                                                          8.776e-01
## strata(enum)enum=3:factor(geo_scope, order = F)national
                                                                          5.396e-01
## strata(enum)enum=4:factor(geo_scope, order = F)national
                                                                          7.431e-01
## strata(enum)enum=5:factor(geo_scope, order = F)national
                                                                          2.624e-01
## strata(enum)enum=6:factor(geo_scope, order = F)national
                                                                          5.043e-02
## strata(enum)enum=7:factor(geo_scope, order = F)national
                                                                          3.185e-03
## strata(enum)enum=8:factor(geo_scope, order = F)national
                                                                          3.165e+00
## strata(enum)enum=2:factor(geo_scope, order = F)international regional 4.884e+01
## strata(enum)enum=3:factor(geo_scope, order = F)international regional 4.328e+00
## strata(enum)enum=4:factor(geo_scope, order = F)international regional 8.049e+00
## strata(enum)enum=5:factor(geo scope, order = F)international regional 1.000e+00
## strata(enum)enum=6:factor(geo_scope, order = F)international regional 1.000e+00
## strata(enum)enum=7:factor(geo_scope, order = F)international regional 1.000e+00
## strata(enum)enum=8:factor(geo_scope, order = F)international regional 1.000e+00
## strata(enum)enum=2:factor(geo_scope, order = F)global
                                                                          6.700e-01
## strata(enum)enum=3:factor(geo_scope, order = F)global
                                                                          1.225e+01
## strata(enum)enum=4:factor(geo_scope, order = F)global
                                                                          1.000e+00
## strata(enum)enum=5:factor(geo_scope, order = F)global
                                                                          1.000e+00
## strata(enum)enum=6:factor(geo_scope, order = F)global
                                                                          1.000e+00
## strata(enum)enum=7:factor(geo_scope, order = F)global
                                                                          1.000e+00
## strata(enum)enum=8:factor(geo_scope, order = F)global
                                                                          1.808e+02
## strata(enum)enum=2:factor(camp_goals, order = F)Institutional Reform 5.427e-01
## strata(enum)enum=3:factor(camp_goals, order = F)Institutional Reform 8.971e-01
## strata(enum)enum=4:factor(camp_goals, order = F)Institutional Reform 2.535e+00
```

```
## strata(enum)enum=5:factor(camp_goals, order = F)Institutional Reform 5.438e+00
## strata(enum)enum=6:factor(camp_goals, order = F)Institutional Reform 4.606e-01
## strata(enum)enum=7:factor(camp_goals, order = F)Institutional Reform 1.182e-02
## strata(enum)enum=8:factor(camp_goals, order = F)Institutional Reform 6.222e-01
## strata(enum)enum=2:factor(camp_goals, order = F)Policy Change
                                                                          4.398e-01
## strata(enum)enum=3:factor(camp_goals, order = F)Policy Change
                                                                          2.495e-01
## strata(enum)enum=4:factor(camp_goals, order = F)Policy Change
                                                                          1.319e+00
## strata(enum)enum=5:factor(camp_goals, order = F)Policy Change
                                                                          1.448e-01
## strata(enum)enum=6:factor(camp_goals, order = F)Policy Change
                                                                          5.540e-05
## strata(enum)enum=7:factor(camp_goals, order = F)Policy Change
                                                                          4.477e-03
## strata(enum)enum=8:factor(camp_goals, order = F)Policy Change
                                                                          3.729e-01
## strata(enum)enum=2:factor(camp_goals, order = F)Territorial Secession 1.527e+00
## strata(enum)enum=3:factor(camp_goals, order = F)Territorial Secession 1.000e+00
## strata(enum)enum=4:factor(camp_goals, order = F)Territorial Secession 1.000e+00
## strata(enum)enum=5:factor(camp_goals, order = F)Territorial Secession 1.368e-03
## strata(enum)enum=6:factor(camp_goals, order = F)Territorial Secession 3.497e-07
## strata(enum)enum=7:factor(camp_goals, order = F)Territorial Secession 1.000e+00
## strata(enum)enum=8:factor(camp_goals, order = F)Territorial Secession 1.000e+00
## strata(enum)enum=2:factor(camp_goals, order = F)Autonomy
                                                                          6.224e-01
## strata(enum)enum=3:factor(camp_goals, order = F)Autonomy
                                                                          1.645e-01
## strata(enum)enum=4:factor(camp_goals, order = F)Autonomy
                                                                          2.259e+00
## strata(enum)enum=5:factor(camp_goals, order = F)Autonomy
                                                                          3.365e-01
## strata(enum)enum=6:factor(camp_goals, order = F)Autonomy
                                                                          1.736e-06
## strata(enum)enum=7:factor(camp_goals, order = F)Autonomy
                                                                          1.000e+00
## strata(enum)enum=8:factor(camp_goals, order = F)Autonomy
                                                                          1.476e+00
## strata(enum)enum=2:factor(camp_goals, order = F)Anti-occupation
                                                                          1.000e+00
## strata(enum)enum=3:factor(camp_goals, order = F)Anti-occupation
                                                                          1.000e+00
## strata(enum)enum=4:factor(camp_goals, order = F)Anti-occupation
                                                                          1.000e+00
## strata(enum)enum=5:factor(camp_goals, order = F)Anti-occupation
                                                                          1.000e+00
## strata(enum)enum=6:factor(camp_goals, order = F)Anti-occupation
                                                                          1.000e+00
## strata(enum)enum=7:factor(camp_goals, order = F)Anti-occupation
                                                                          1.000e+00
## strata(enum)enum=8:factor(camp_goals, order = F)Anti-occupation
                                                                          1.000e+00
## strata(enum)enum=2:factor(camp_goals, order = F)Unknown
                                                                          1.770e+00
## strata(enum)enum=3:factor(camp_goals, order = F)Unknown
                                                                          1.219e+00
## strata(enum)enum=4:factor(camp_goals, order = F)Unknown
                                                                          4.488e+00
## strata(enum)enum=5:factor(camp_goals, order = F)Unknown
                                                                          4.134e-04
## strata(enum)enum=6:factor(camp goals, order = F)Unknown
                                                                          1.000e+00
## strata(enum)enum=7:factor(camp_goals, order = F)Unknown
                                                                          1.000e+00
## strata(enum)enum=8:factor(camp_goals, order = F)Unknown
                                                                          2.456e+01
##
                                                                          exp(-coef)
## factor(tactical choice, order = F)2
                                                                           8.573e+00
## factor(tactical_choice, order = F)3
                                                                           6.868e+00
## regionAmericas
                                                                           1.681e+00
## regionAsia
                                                                           1.056e+00
## regionEurope
                                                                           5.348e-01
## regionMiddle East
                                                                           1.044e+00
## factor(geo_scope, order = F)regional
                                                                           1.066e+00
## factor(geo_scope, order = F)national
                                                                           6.707e-01
## factor(geo_scope, order = F)international regional
                                                                           2.459e+00
## factor(geo_scope, order = F)global
                                                                           5.783e+01
## factor(camp_goals, order = F)Institutional Reform
                                                                           5.295e-01
## factor(camp_goals, order = F)Policy Change
                                                                           4.969e-01
## factor(camp_goals, order = F)Territorial Secession
                                                                           4.460e-01
## factor(camp_goals, order = F)Autonomy
                                                                           2.298e-01
```

```
## factor(camp_goals, order = F)Anti-occupation
                                                                           7.637e+01
## factor(camp_goals, order = F)Unknown
                                                                           1.125e+00
## strata(enum)enum=2:factor(tactical choice, order = F)2
                                                                           1.655e+00
## strata(enum)enum=3:factor(tactical_choice, order = F)2
                                                                           3.661e-01
## strata(enum)enum=4:factor(tactical_choice, order = F)2
                                                                           1.475e-02
## strata(enum)enum=5:factor(tactical choice, order = F)2
                                                                           9.873e-02
## strata(enum)enum=6:factor(tactical choice, order = F)2
                                                                           8.614e+03
## strata(enum)enum=7:factor(tactical_choice, order = F)2
                                                                           3.988e+02
## strata(enum)enum=8:factor(tactical choice, order = F)2
                                                                           2.552e-01
## strata(enum)enum=2:factor(tactical_choice, order = F)3
                                                                           2.365e+00
## strata(enum)enum=3:factor(tactical_choice, order = F)3
                                                                           4.042e-01
## strata(enum)enum=4:factor(tactical_choice, order = F)3
                                                                           6.024e+00
## strata(enum)enum=5:factor(tactical_choice, order = F)3
                                                                           2.446e+01
## strata(enum)enum=6:factor(tactical_choice, order = F)3
                                                                           1.000e+00
## strata(enum)enum=7:factor(tactical_choice, order = F)3
                                                                           9.543e+01
## strata(enum)enum=8:factor(tactical_choice, order = F)3
                                                                           9.195e-01
## strata(enum)enum=2:regionAmericas
                                                                           1.039e+00
## strata(enum)enum=3:regionAmericas
                                                                           2.583e+00
## strata(enum)enum=4:regionAmericas
                                                                           5.417e-01
## strata(enum)enum=5:regionAmericas
                                                                           3.548e-02
## strata(enum)enum=6:regionAmericas
                                                                           2.275e-04
## strata(enum)enum=7:regionAmericas
                                                                           4.510e-08
## strata(enum)enum=8:regionAmericas
                                                                           8.048e-04
## strata(enum)enum=2:regionAsia
                                                                           1.054e+00
## strata(enum)enum=3:regionAsia
                                                                           8.980e-01
## strata(enum)enum=4:regionAsia
                                                                           1.628e+00
## strata(enum)enum=5:regionAsia
                                                                           6.633e-02
## strata(enum)enum=6:regionAsia
                                                                           3.628e-06
## strata(enum)enum=7:regionAsia
                                                                           2.564e-03
## strata(enum)enum=8:regionAsia
                                                                           9.617e-01
## strata(enum)enum=2:regionEurope
                                                                           3.463e+00
## strata(enum)enum=3:regionEurope
                                                                           1.210e+00
## strata(enum)enum=4:regionEurope
                                                                           2.088e+00
## strata(enum)enum=5:regionEurope
                                                                           1.043e+02
## strata(enum)enum=6:regionEurope
                                                                           1.000e+00
## strata(enum)enum=7:regionEurope
                                                                           1.000e+00
## strata(enum)enum=8:regionEurope
                                                                           1.000e+00
## strata(enum)enum=2:regionMiddle East
                                                                           3.408e+00
## strata(enum)enum=3:regionMiddle East
                                                                           6.272e-01
## strata(enum)enum=4:regionMiddle East
                                                                           1.349e+00
## strata(enum)enum=5:regionMiddle East
                                                                           5.852e-01
## strata(enum)enum=6:regionMiddle East
                                                                           1.810e-03
## strata(enum)enum=7:regionMiddle East
                                                                           3.089e-02
## strata(enum)enum=8:regionMiddle East
                                                                           4.007e-01
## strata(enum)enum=2:factor(geo_scope, order = F)regional
                                                                           7.542e-01
## strata(enum)enum=3:factor(geo_scope, order = F)regional
                                                                           1.972e+00
## strata(enum)enum=4:factor(geo_scope, order = F)regional
                                                                           1.470e+00
## strata(enum)enum=5:factor(geo_scope, order = F)regional
                                                                           8.431e-01
## strata(enum)enum=6:factor(geo_scope, order = F)regional
                                                                           1.264e-03
## strata(enum)enum=7:factor(geo_scope, order = F)regional
                                                                           1.897e+01
## strata(enum)enum=8:factor(geo_scope, order = F)regional
                                                                           1.654e-01
## strata(enum)enum=2:factor(geo scope, order = F)national
                                                                           1.139e+00
## strata(enum)enum=3:factor(geo_scope, order = F)national
                                                                           1.853e+00
## strata(enum)enum=4:factor(geo_scope, order = F)national
                                                                           1.346e+00
```

```
## strata(enum)enum=5:factor(geo_scope, order = F)national
                                                                           3.810e+00
## strata(enum)enum=6:factor(geo_scope, order = F)national
                                                                           1.983e+01
## strata(enum)enum=7:factor(geo_scope, order = F)national
                                                                           3.139e+02
## strata(enum)enum=8:factor(geo_scope, order = F)national
                                                                           3.159e-01
## strata(enum)enum=2:factor(geo_scope, order = F)international regional
                                                                           2.048e-02
## strata(enum)enum=3:factor(geo_scope, order = F)international regional
                                                                           2.310e-01
## strata(enum)enum=4:factor(geo_scope, order = F)international regional
                                                                           1.242e-01
## strata(enum)enum=5:factor(geo_scope, order = F)international regional
                                                                           1.000e+00
## strata(enum)enum=6:factor(geo_scope, order = F)international regional
                                                                           1.000e+00
                                                                           1.000e+00
## strata(enum)enum=7:factor(geo_scope, order = F)international regional
## strata(enum)enum=8:factor(geo_scope, order = F)international regional
                                                                           1.000e+00
## strata(enum)enum=2:factor(geo_scope, order = F)global
                                                                           1.493e+00
## strata(enum)enum=3:factor(geo_scope, order = F)global
                                                                           8.161e-02
## strata(enum)enum=4:factor(geo_scope, order = F)global
                                                                           1.000e+00
## strata(enum)enum=5:factor(geo_scope, order = F)global
                                                                           1.000e+00
## strata(enum)enum=6:factor(geo_scope, order = F)global
                                                                           1.000e+00
## strata(enum)enum=7:factor(geo_scope, order = F)global
                                                                           1.000e+00
## strata(enum)enum=8:factor(geo_scope, order = F)global
                                                                           5.530e-03
## strata(enum)enum=2:factor(camp_goals, order = F)Institutional Reform
                                                                           1.843e+00
## strata(enum)enum=3:factor(camp_goals, order = F)Institutional Reform
                                                                           1.115e+00
## strata(enum)enum=4:factor(camp_goals, order = F)Institutional Reform
                                                                           3.944e-01
## strata(enum)enum=5:factor(camp_goals, order = F)Institutional Reform
                                                                           1.839e-01
## strata(enum)enum=6:factor(camp_goals, order = F)Institutional Reform
                                                                           2.171e+00
## strata(enum)enum=7:factor(camp_goals, order = F)Institutional Reform
                                                                           8.460e+01
## strata(enum)enum=8:factor(camp_goals, order = F)Institutional Reform
                                                                           1.607e+00
## strata(enum)enum=2:factor(camp_goals, order = F)Policy Change
                                                                           2.274e+00
## strata(enum)enum=3:factor(camp_goals, order = F)Policy Change
                                                                           4.008e+00
## strata(enum)enum=4:factor(camp_goals, order = F)Policy Change
                                                                           7.582e-01
## strata(enum)enum=5:factor(camp_goals, order = F)Policy Change
                                                                           6.907e+00
## strata(enum)enum=6:factor(camp_goals, order = F)Policy Change
                                                                           1.805e+04
## strata(enum)enum=7:factor(camp_goals, order = F)Policy Change
                                                                           2.234e+02
## strata(enum)enum=8:factor(camp_goals, order = F)Policy Change
                                                                           2.682e+00
## strata(enum)enum=2:factor(camp_goals, order = F)Territorial Secession
                                                                           6.548e-01
## strata(enum)enum=3:factor(camp_goals, order = F)Territorial Secession
                                                                           1.000e+00
## strata(enum)enum=4:factor(camp_goals, order = F)Territorial Secession
                                                                           1.000e+00
## strata(enum)enum=5:factor(camp_goals, order = F)Territorial Secession
                                                                           7.310e+02
## strata(enum)enum=6:factor(camp_goals, order = F)Territorial Secession
                                                                           2.859e+06
## strata(enum)enum=7:factor(camp_goals, order = F)Territorial Secession
                                                                           1.000e+00
## strata(enum)enum=8:factor(camp_goals, order = F)Territorial Secession
                                                                           1.000e+00
## strata(enum)enum=2:factor(camp_goals, order = F)Autonomy
                                                                           1.607e+00
## strata(enum)enum=3:factor(camp goals, order = F)Autonomy
                                                                           6.080e+00
## strata(enum)enum=4:factor(camp_goals, order = F)Autonomy
                                                                           4.427e-01
## strata(enum)enum=5:factor(camp_goals, order = F)Autonomy
                                                                           2.971e+00
## strata(enum)enum=6:factor(camp_goals, order = F)Autonomy
                                                                           5.761e+05
## strata(enum)enum=7:factor(camp_goals, order = F)Autonomy
                                                                           1.000e+00
## strata(enum)enum=8:factor(camp_goals, order = F)Autonomy
                                                                           6.773e-01
## strata(enum)enum=2:factor(camp_goals, order = F)Anti-occupation
                                                                           1.000e+00
## strata(enum)enum=3:factor(camp_goals, order = F)Anti-occupation
                                                                           1.000e+00
## strata(enum)enum=4:factor(camp_goals, order = F)Anti-occupation
                                                                           1.000e+00
## strata(enum)enum=5:factor(camp_goals, order = F)Anti-occupation
                                                                           1.000e+00
## strata(enum)enum=6:factor(camp_goals, order = F)Anti-occupation
                                                                           1.000e+00
## strata(enum)enum=7:factor(camp_goals, order = F)Anti-occupation
                                                                           1.000e+00
## strata(enum)enum=8:factor(camp_goals, order = F)Anti-occupation
                                                                           1.000e+00
## strata(enum)enum=2:factor(camp goals, order = F)Unknown
                                                                           5.650e-01
```

```
## strata(enum)enum=3:factor(camp_goals, order = F)Unknown
                                                                           8.200e-01
## strata(enum)enum=4:factor(camp_goals, order = F)Unknown
                                                                           2.228e-01
## strata(enum)enum=5:factor(camp goals, order = F)Unknown
                                                                           2.419e+03
## strata(enum)enum=6:factor(camp_goals, order = F)Unknown
                                                                           1.000e+00
## strata(enum)enum=7:factor(camp_goals, order = F)Unknown
                                                                           1.000e+00
## strata(enum)enum=8:factor(camp goals, order = F)Unknown
                                                                           4.071e-02
                                                                          lower .95
## factor(tactical_choice, order = F)2
                                                                          7.669e-02
## factor(tactical choice, order = F)3
                                                                          7.497e-02
                                                                          4.383e-01
## regionAmericas
## regionAsia
                                                                          7.625e-01
## regionEurope
                                                                          1.185e+00
## regionMiddle East
                                                                          6.235e-01
## factor(geo_scope, order = F)regional
                                                                          7.500e-01
## factor(geo_scope, order = F)national
                                                                          1.214e+00
## factor(geo_scope, order = F)international regional
                                                                          1.774e-01
## factor(geo_scope, order = F)global
                                                                          4.699e-03
## factor(camp_goals, order = F)Institutional Reform
                                                                          1.370e+00
## factor(camp_goals, order = F)Policy Change
                                                                          1.554e+00
## factor(camp_goals, order = F)Territorial Secession
                                                                          9.099e-01
## factor(camp_goals, order = F)Autonomy
                                                                          2.108e+00
## factor(camp_goals, order = F)Anti-occupation
                                                                          1.800e-03
## factor(camp_goals, order = F)Unknown
                                                                          5.340e-01
## strata(enum)enum=2:factor(tactical choice, order = F)2
                                                                          1.663e-01
## strata(enum)enum=3:factor(tactical_choice, order = F)2
                                                                          4.765e-01
## strata(enum)enum=4:factor(tactical choice, order = F)2
                                                                          3.552e+01
## strata(enum)enum=5:factor(tactical_choice, order = F)2
                                                                          2.783e+00
## strata(enum)enum=6:factor(tactical_choice, order = F)2
                                                                          3.818e-05
## strata(enum)enum=7:factor(tactical_choice, order = F)2
                                                                          1.557e-03
## strata(enum)enum=8:factor(tactical_choice, order = F)2
                                                                          2.780e+00
## strata(enum)enum=2:factor(tactical_choice, order = F)3
                                                                          9.569e-02
## strata(enum)enum=3:factor(tactical_choice, order = F)3
                                                                          8.851e-01
## strata(enum)enum=4:factor(tactical_choice, order = F)3
                                                                          6.386e-02
## strata(enum)enum=5:factor(tactical_choice, order = F)3
                                                                          5.694e-03
## strata(enum)enum=6:factor(tactical choice, order = F)3
                                                                          1.000e+00
## strata(enum)enum=7:factor(tactical_choice, order = F)3
                                                                          1.075e-03
## strata(enum)enum=8:factor(tactical choice, order = F)3
                                                                          2.101e-01
## strata(enum)enum=2:regionAmericas
                                                                          4.464e-01
## strata(enum)enum=3:regionAmericas
                                                                          1.123e-01
## strata(enum)enum=4:regionAmericas
                                                                          4.109e-01
## strata(enum)enum=5:regionAmericas
                                                                          1.266e+01
## strata(enum)enum=6:regionAmericas
                                                                          1.518e+03
## strata(enum)enum=7:regionAmericas
                                                                          6.991e+06
## strata(enum)enum=8:regionAmericas
                                                                          3.252e+02
## strata(enum)enum=2:regionAsia
                                                                          6.195e-01
## strata(enum)enum=3:regionAsia
                                                                          5.964e-01
## strata(enum)enum=4:regionAsia
                                                                          2.498e-01
## strata(enum)enum=5:regionAsia
                                                                          4.285e+00
## strata(enum)enum=6:regionAsia
                                                                          9.720e+04
## strata(enum)enum=7:regionAsia
                                                                          1.232e+02
## strata(enum)enum=8:regionAsia
                                                                          6.179e-01
## strata(enum)enum=2:regionEurope
                                                                          1.500e-01
## strata(enum)enum=3:regionEurope
                                                                          4.319e-01
## strata(enum)enum=4:regionEurope
                                                                          1.495e-01
```

```
## strata(enum)enum=5:regionEurope
                                                                          1.308e-03
## strata(enum)enum=6:regionEurope
                                                                          1.000e+00
## strata(enum)enum=7:regionEurope
                                                                          1.000e+00
## strata(enum)enum=8:regionEurope
                                                                          1.000e+00
## strata(enum)enum=2:regionMiddle East
                                                                          1.247e-01
## strata(enum)enum=3:regionMiddle East
                                                                          6.091e-01
## strata(enum)enum=4:regionMiddle East
                                                                          3.510e-01
## strata(enum)enum=5:regionMiddle East
                                                                          3.114e-01
## strata(enum)enum=6:regionMiddle East
                                                                          1.077e+02
## strata(enum)enum=7:regionMiddle East
                                                                          4.091e+00
## strata(enum)enum=8:regionMiddle East
                                                                          2.929e-01
## strata(enum)enum=2:factor(geo_scope, order = F)regional
                                                                          8.782e-01
## strata(enum)enum=3:factor(geo_scope, order = F)regional
                                                                          2.918e-01
## strata(enum)enum=4:factor(geo_scope, order = F)regional
                                                                          3.428e-01
## strata(enum)enum=5:factor(geo_scope, order = F)regional
                                                                          4.003e-01
## strata(enum)enum=6:factor(geo_scope, order = F)regional
                                                                          2.523e+02
## strata(enum)enum=7:factor(geo_scope, order = F)regional
                                                                          1.964e-02
## strata(enum)enum=8:factor(geo_scope, order = F)regional
                                                                          3.469e+00
## strata(enum)enum=2:factor(geo_scope, order = F)national
                                                                          6.021e-01
## strata(enum)enum=3:factor(geo_scope, order = F)national
                                                                          3.157e-01
## strata(enum)enum=4:factor(geo_scope, order = F)national
                                                                          3.566e-01
## strata(enum)enum=5:factor(geo_scope, order = F)national
                                                                          9.783e-02
## strata(enum)enum=6:factor(geo_scope, order = F)national
                                                                          1.068e-02
## strata(enum)enum=7:factor(geo scope, order = F)national
                                                                          8.058e-04
## strata(enum)enum=8:factor(geo_scope, order = F)national
                                                                          1.975e+00
## strata(enum)enum=2:factor(geo_scope, order = F)international regional 2.015e+01
## strata(enum)enum=3:factor(geo_scope, order = F)international regional 5.476e-01
## strata(enum)enum=4:factor(geo_scope, order = F)international regional 3.277e+00
## strata(enum)enum=5:factor(geo_scope, order = F)international regional 1.000e+00
## strata(enum)enum=6:factor(geo_scope, order = F)international regional 1.000e+00
## strata(enum)enum=7:factor(geo_scope, order = F)international regional 1.000e+00
## strata(enum)enum=8:factor(geo_scope, order = F)international regional 1.000e+00
## strata(enum)enum=2:factor(geo_scope, order = F)global
                                                                          8.936e-02
## strata(enum)enum=3:factor(geo_scope, order = F)global
                                                                          8.691e-01
## strata(enum)enum=4:factor(geo_scope, order = F)global
                                                                          1.000e+00
## strata(enum)enum=5:factor(geo_scope, order = F)global
                                                                          1.000e+00
## strata(enum)enum=6:factor(geo_scope, order = F)global
                                                                          1.000e+00
## strata(enum)enum=7:factor(geo_scope, order = F)global
                                                                          1.000e+00
## strata(enum)enum=8:factor(geo_scope, order = F)global
                                                                          1.223e+02
## strata(enum)enum=2:factor(camp_goals, order = F)Institutional Reform 3.047e-01
## strata(enum)enum=3:factor(camp goals, order = F)Institutional Reform
## strata(enum)enum=4:factor(camp_goals, order = F)Institutional Reform
                                                                         1.303e+00
## strata(enum)enum=5:factor(camp_goals, order = F)Institutional Reform
                                                                          2.271e+00
## strata(enum)enum=6:factor(camp_goals, order = F)Institutional Reform
                                                                         1.120e-01
## strata(enum)enum=7:factor(camp_goals, order = F)Institutional Reform
                                                                          4.174e-03
## strata(enum)enum=8:factor(camp_goals, order = F)Institutional Reform
                                                                          2.828e-01
## strata(enum)enum=2:factor(camp_goals, order = F)Policy Change
                                                                          2.876e-01
## strata(enum)enum=3:factor(camp_goals, order = F)Policy Change
                                                                          1.418e-01
## strata(enum)enum=4:factor(camp_goals, order = F)Policy Change
                                                                          6.934e-01
## strata(enum)enum=5:factor(camp_goals, order = F)Policy Change
                                                                          6.083e-02
## strata(enum)enum=6:factor(camp_goals, order = F)Policy Change
                                                                          1.970e-05
## strata(enum)enum=7:factor(camp_goals, order = F)Policy Change
                                                                          1.213e-03
## strata(enum)enum=8:factor(camp_goals, order = F)Policy Change
                                                                          1.696e-01
## strata(enum)enum=2:factor(camp_goals, order = F)Territorial Secession 2.664e-01
```

```
## strata(enum)enum=3:factor(camp_goals, order = F)Territorial Secession 1.000e+00
## strata(enum)enum=4:factor(camp_goals, order = F)Territorial Secession 1.000e+00
## strata(enum)enum=5:factor(camp_goals, order = F)Territorial Secession 1.664e-04
## strata(enum)enum=6:factor(camp_goals, order = F)Territorial Secession 4.895e-08
## strata(enum)enum=7:factor(camp_goals, order = F)Territorial Secession 1.000e+00
## strata(enum)enum=8:factor(camp_goals, order = F)Territorial Secession 1.000e+00
## strata(enum)enum=2:factor(camp_goals, order = F)Autonomy
                                                                          2.631e-01
## strata(enum)enum=3:factor(camp_goals, order = F)Autonomy
                                                                          4.561e-02
## strata(enum)enum=4:factor(camp_goals, order = F)Autonomy
                                                                          1.352e+00
## strata(enum)enum=5:factor(camp_goals, order = F)Autonomy
                                                                          1.804e-01
## strata(enum)enum=6:factor(camp_goals, order = F)Autonomy
                                                                          2.156e-07
## strata(enum)enum=7:factor(camp_goals, order = F)Autonomy
                                                                          1.000e+00
## strata(enum)enum=8:factor(camp_goals, order = F)Autonomy
                                                                          5.020e-01
                                                                          1.375e-01
## strata(enum)enum=2:factor(camp_goals, order = F)Anti-occupation
## strata(enum)enum=3:factor(camp_goals, order = F)Anti-occupation
                                                                          1.000e+00
## strata(enum)enum=4:factor(camp_goals, order = F)Anti-occupation
                                                                          1.000e+00
## strata(enum)enum=5:factor(camp_goals, order = F)Anti-occupation
                                                                          1.000e+00
## strata(enum)enum=6:factor(camp_goals, order = F)Anti-occupation
                                                                          1.000e+00
## strata(enum)enum=7:factor(camp_goals, order = F)Anti-occupation
                                                                          1.000e+00
## strata(enum)enum=8:factor(camp_goals, order = F)Anti-occupation
                                                                          1.000e+00
## strata(enum)enum=2:factor(camp_goals, order = F)Unknown
                                                                          6.174e-01
## strata(enum)enum=3:factor(camp_goals, order = F)Unknown
                                                                          5.492e-01
## strata(enum)enum=4:factor(camp_goals, order = F)Unknown
                                                                          6.083e-01
## strata(enum)enum=5:factor(camp_goals, order = F)Unknown
                                                                          7.486e-05
## strata(enum)enum=6:factor(camp_goals, order = F)Unknown
                                                                          1.000e+00
## strata(enum)enum=7:factor(camp_goals, order = F)Unknown
                                                                          6.208e-01
## strata(enum)enum=8:factor(camp_goals, order = F)Unknown
                                                                          4.471e+00
                                                                          upper .95
## factor(tactical_choice, order = F)2
                                                                          1.774e-01
## factor(tactical_choice, order = F)3
                                                                          2.828e-01
## regionAmericas
                                                                          8.072e-01
## regionAsia
                                                                          1.177e+00
## regionEurope
                                                                          2.951e+00
## regionMiddle East
                                                                          1.472e+00
## factor(geo_scope, order = F)regional
                                                                          1.174e+00
## factor(geo_scope, order = F)national
                                                                          1.831e+00
## factor(geo_scope, order = F)international regional
                                                                          9.327e-01
## factor(geo_scope, order = F)global
                                                                          6.364e-02
## factor(camp_goals, order = F)Institutional Reform
                                                                          2.603e+00
## factor(camp_goals, order = F)Policy Change
                                                                          2.605e+00
## factor(camp_goals, order = F)Territorial Secession
                                                                          5.525e+00
## factor(camp_goals, order = F)Autonomy
                                                                          8.980e+00
## factor(camp_goals, order = F)Anti-occupation
                                                                          9.525e-02
## factor(camp_goals, order = F)Unknown
                                                                          1.479e+00
## strata(enum)enum=2:factor(tactical_choice, order = F)2
                                                                          2.194e+00
## strata(enum)enum=3:factor(tactical_choice, order = F)2
                                                                          1.566e+01
## strata(enum)enum=4:factor(tactical_choice, order = F)2
                                                                          1.294e+02
## strata(enum)enum=5:factor(tactical_choice, order = F)2
                                                                          3.686e+01
## strata(enum)enum=6:factor(tactical_choice, order = F)2
                                                                          3.530e-04
## strata(enum)enum=7:factor(tactical_choice, order = F)2
                                                                          4.039e-03
## strata(enum)enum=8:factor(tactical_choice, order = F)2
                                                                          5.522e+00
## strata(enum)enum=2:factor(tactical_choice, order = F)3
                                                                          1.869e+00
## strata(enum)enum=3:factor(tactical_choice, order = F)3
                                                                          6.913e+00
## strata(enum)enum=4:factor(tactical_choice, order = F)3
                                                                          4.315e-01
```

```
## strata(enum)enum=5:factor(tactical_choice, order = F)3
                                                                          2.935e-01
## strata(enum)enum=6:factor(tactical_choice, order = F)3
                                                                          1.000e+00
## strata(enum)enum=7:factor(tactical choice, order = F)3
                                                                          1.022e-01
## strata(enum)enum=8:factor(tactical_choice, order = F)3
                                                                          5.631e+00
## strata(enum)enum=2:regionAmericas
                                                                          2.074e+00
## strata(enum)enum=3:regionAmericas
                                                                          1.335e+00
## strata(enum)enum=4:regionAmericas
                                                                          8.294e+00
## strata(enum)enum=5:regionAmericas
                                                                          6.276e+01
## strata(enum)enum=6:regionAmericas
                                                                          1.272e+04
## strata(enum)enum=7:regionAmericas
                                                                          7.033e+07
## strata(enum)enum=8:regionAmericas
                                                                          4.748e+03
## strata(enum)enum=2:regionAsia
                                                                          1.453e+00
## strata(enum)enum=3:regionAsia
                                                                          2.079e+00
## strata(enum)enum=4:regionAsia
                                                                          1.510e+00
## strata(enum)enum=5:regionAsia
                                                                          5.304e+01
## strata(enum)enum=6:regionAsia
                                                                          7.815e+05
## strata(enum)enum=7:regionAsia
                                                                          1.235e+03
## strata(enum)enum=8:regionAsia
                                                                          1.750e+00
## strata(enum)enum=2:regionEurope
                                                                          5.559e-01
## strata(enum)enum=3:regionEurope
                                                                          1.580e+00
## strata(enum)enum=4:regionEurope
                                                                          1.535e+00
## strata(enum)enum=5:regionEurope
                                                                          7.025e-02
## strata(enum)enum=6:regionEurope
                                                                          1.000e+00
## strata(enum)enum=7:regionEurope
                                                                          1.000e+00
## strata(enum)enum=8:regionEurope
                                                                          1.000e+00
## strata(enum)enum=2:regionMiddle East
                                                                          6.907e-01
## strata(enum)enum=3:regionMiddle East
                                                                          4.173e+00
## strata(enum)enum=4:regionMiddle East
                                                                          1.566e+00
## strata(enum)enum=5:regionMiddle East
                                                                          9.378e+00
## strata(enum)enum=6:regionMiddle East
                                                                          2.834e+03
## strata(enum)enum=7:regionMiddle East
                                                                          2.562e+02
## strata(enum)enum=8:regionMiddle East
                                                                          2.126e+01
## strata(enum)enum=2:factor(geo_scope, order = F)regional
                                                                          2.002e+00
## strata(enum)enum=3:factor(geo_scope, order = F)regional
                                                                          8.810e-01
## strata(enum)enum=4:factor(geo_scope, order = F)regional
                                                                          1.349e+00
## strata(enum)enum=5:factor(geo_scope, order = F)regional
                                                                          3.514e+00
## strata(enum)enum=6:factor(geo_scope, order = F)regional
                                                                          2.480e+03
## strata(enum)enum=7:factor(geo_scope, order = F)regional
                                                                          1.414e-01
## strata(enum)enum=8:factor(geo_scope, order = F)regional
                                                                          1.054e+01
## strata(enum)enum=2:factor(geo_scope, order = F)national
                                                                          1.279e+00
## strata(enum)enum=3:factor(geo scope, order = F)national
                                                                          9.224e-01
## strata(enum)enum=4:factor(geo_scope, order = F)national
                                                                          1.549e+00
## strata(enum)enum=5:factor(geo_scope, order = F)national
                                                                          7.040e-01
## strata(enum)enum=6:factor(geo_scope, order = F)national
                                                                          2.381e-01
## strata(enum)enum=7:factor(geo_scope, order = F)national
                                                                          1.259e-02
## strata(enum)enum=8:factor(geo_scope, order = F)national
                                                                          5.072e+00
## strata(enum)enum=2:factor(geo_scope, order = F)international regional 1.184e+02
## strata(enum)enum=3:factor(geo_scope, order = F)international regional 3.421e+01
## strata(enum)enum=4:factor(geo_scope, order = F)international regional 1.977e+01
## strata(enum)enum=5:factor(geo_scope, order = F)international regional 1.000e+00
## strata(enum)enum=6:factor(geo_scope, order = F)international regional 1.000e+00
## strata(enum)enum=7:factor(geo_scope, order = F)international regional 1.000e+00
## strata(enum)enum=8:factor(geo_scope, order = F)international regional 1.000e+00
## strata(enum)enum=2:factor(geo_scope, order = F)global
                                                                          5.023e+00
```

```
## strata(enum)enum=3:factor(geo_scope, order = F)global
                                                                         1.728e+02
## strata(enum)enum=4:factor(geo_scope, order = F)global
                                                                         1.000e+00
                                                                         1.000e+00
## strata(enum)enum=5:factor(geo_scope, order = F)global
## strata(enum)enum=6:factor(geo_scope, order = F)global
                                                                         1.000e+00
## strata(enum)enum=7:factor(geo_scope, order = F)global
                                                                         1.000e+00
## strata(enum)enum=8:factor(geo_scope, order = F)global
                                                                         2.675e+02
## strata(enum)enum=2:factor(camp goals, order = F)Institutional Reform
                                                                        9.666e-01
## strata(enum)enum=3:factor(camp_goals, order = F)Institutional Reform
                                                                         2.114e+00
## strata(enum)enum=4:factor(camp_goals, order = F)Institutional Reform
                                                                         4.932e+00
## strata(enum)enum=5:factor(camp_goals, order = F)Institutional Reform
                                                                         1.302e+01
## strata(enum)enum=6:factor(camp_goals, order = F)Institutional Reform
                                                                         1.895e+00
## strata(enum)enum=7:factor(camp_goals, order = F)Institutional Reform
                                                                         3.347e-02
## strata(enum)enum=8:factor(camp_goals, order = F)Institutional Reform
                                                                         1.369e+00
## strata(enum)enum=2:factor(camp_goals, order = F)Policy Change
                                                                         6.726e-01
## strata(enum)enum=3:factor(camp_goals, order = F)Policy Change
                                                                         4.390e-01
## strata(enum)enum=4:factor(camp_goals, order = F)Policy Change
                                                                         2.509e+00
## strata(enum)enum=5:factor(camp_goals, order = F)Policy Change
                                                                         3.445e-01
## strata(enum)enum=6:factor(camp_goals, order = F)Policy Change
                                                                         1.558e-04
## strata(enum)enum=7:factor(camp_goals, order = F)Policy Change
                                                                         1.652e-02
## strata(enum)enum=8:factor(camp_goals, order = F)Policy Change
                                                                         8.201e-01
## strata(enum)enum=2:factor(camp_goals, order = F)Territorial Secession 8.754e+00
## strata(enum)enum=3:factor(camp_goals, order = F)Territorial Secession 1.000e+00
## strata(enum)enum=4:factor(camp_goals, order = F)Territorial Secession 1.000e+00
## strata(enum)enum=5:factor(camp_goals, order = F)Territorial Secession 1.124e-02
## strata(enum)enum=6:factor(camp_goals, order = F)Territorial Secession 2.499e-06
## strata(enum)enum=7:factor(camp_goals, order = F)Territorial Secession 1.000e+00
## strata(enum)enum=8:factor(camp_goals, order = F)Territorial Secession 1.000e+00
## strata(enum)enum=2:factor(camp_goals, order = F)Autonomy
                                                                         1.472e+00
## strata(enum)enum=3:factor(camp_goals, order = F)Autonomy
                                                                         5.930e-01
## strata(enum)enum=4:factor(camp_goals, order = F)Autonomy
                                                                         3.774e+00
## strata(enum)enum=5:factor(camp_goals, order = F)Autonomy
                                                                         6.280e-01
## strata(enum)enum=6:factor(camp_goals, order = F)Autonomy
                                                                         1.398e-05
## strata(enum)enum=7:factor(camp_goals, order = F)Autonomy
                                                                         1.000e+00
## strata(enum)enum=8:factor(camp_goals, order = F)Autonomy
                                                                         4.343e+00
## strata(enum)enum=2:factor(camp_goals, order = F)Anti-occupation
                                                                         7.274e+00
## strata(enum)enum=3:factor(camp_goals, order = F)Anti-occupation
                                                                         1.000e+00
## strata(enum)enum=4:factor(camp_goals, order = F)Anti-occupation
                                                                         1.000e+00
## strata(enum)enum=5:factor(camp_goals, order = F)Anti-occupation
                                                                         1.000e+00
## strata(enum)enum=6:factor(camp_goals, order = F)Anti-occupation
                                                                         1.000e+00
## strata(enum)enum=7:factor(camp_goals, order = F)Anti-occupation
                                                                         1.000e+00
## strata(enum)enum=8:factor(camp goals, order = F)Anti-occupation
                                                                         1.000e+00
## strata(enum)enum=2:factor(camp_goals, order = F)Unknown
                                                                         5.073e+00
## strata(enum)enum=3:factor(camp_goals, order = F)Unknown
                                                                         2.708e+00
## strata(enum)enum=4:factor(camp_goals, order = F)Unknown
                                                                         3.311e+01
## strata(enum)enum=5:factor(camp_goals, order = F)Unknown
                                                                         2.283e-03
## strata(enum)enum=6:factor(camp_goals, order = F)Unknown
                                                                         1.000e+00
## strata(enum)enum=7:factor(camp_goals, order = F)Unknown
                                                                         1.611e+00
## strata(enum)enum=8:factor(camp_goals, order = F)Unknown
                                                                         1.349e+02
## Concordance= 0.71 (se = 0.029)
## Likelihood ratio test= 439.8 on 128 df,
                       = 5.753e+15 on 128 df,
                                                  p=<2e-16
                                              p=<2e-16,
## Score (logrank) test = 428.9 on 128 df,
                                                          Robust = 149.3 p=0.1
##
```

```
##
        observations within a cluster, the Wald and robust score tests do not).
df_pwp_final
## # A tibble: 835 x 42
##
      country_name date
                               geo_scope localities actor_id cameo_actor_3
##
      <chr>
                   <date>
                               <ord>
                                         <chr>>
                                                    <fct>
                                                              <chr>
##
    1 algeria
                   1991-12-07 regional El-Oued
                                                    non-sta~ REB
   2 algeria
                   1992-05-10 local
                                         a police ~ non-sta~ UAF
##
  3 algeria
                   1994-01-19 regional
                                       Algiers
                                                    non-sta~ OPP
   4 algeria
##
                   1994-01-26 regional
                                         Algiers
                                                    non-sta~ OPP
##
  5 algeria
                   1994-10-05 regional
                                         Kabylie r~ non-sta~ ACT
    6 algeria
                   1995-04-23 regional
                                         Kabylia R~ non-sta~ OPP
##
    7 algeria
                   1997-11-13 regional
                                         Algiers
                                                    non-sta~ OPP
##
    8 algeria
                   1998-10-13 national
                                         Algeria
                                                    non-sta~ ACT
##
    9 algeria
                   1998-10-19 national
                                         Algeria
                                                    non-sta~ ACT
## 10 algeria
                                                    non-sta~ ACT
                   1998-11-17 national Algeria
     ... with 825 more rows, and 36 more variables: cameo_actor_6 <chr>,
## #
       cameo_actor_9 <chr>, event_actor_list <chr>, verb_10 <ord>, verb_100 <dbl>,
       verb_1000 <dbl>, target_3 <chr>, target_6 <chr>, target_9 <chr>,
## #
## #
       camp_goals <fct>, tactical_choice <ord>, nv_categ <fct>, nc_type <fct>,
## #
       nv commission <fct>, nv concentration <fct>, nv tactic ns <chr>,
## #
       v_tactic_ns <chr>, st_posture <ord>, damage <ord>, econ_impact <ord>,
## #
       econ_impact_aux <chr>, year <dbl>, month <dbl>, day <dbl>,
       fatal_casu <dbl>, injuries <dbl>, num_partic_event <dbl>, id <dbl>,
## #
## #
       diff_time <dbl>, Stop <dbl>, concessions <dbl>, num_protests_day <int>,
## #
       row_count <int>, enum <dbl>, Start <dbl>, region <chr>
pwp1$coefficients
##
                                      factor(tactical_choice, order = F)2
##
                                                               -2.14867600
##
                                      factor(tactical_choice, order = F)3
##
                                                               -1.92687778
##
                                                            regionAmericas
##
                                                               -0.51956349
##
                                                                regionAsia
##
                                                               -0.05415431
##
                                                              regionEurope
                                                                0.62577927
##
##
                                                         regionMiddle East
##
                                                               -0.04284443
##
                                     factor(geo_scope, order = F)regional
##
                                                               -0.06360948
                                     factor(geo_scope, order = F)national
##
##
                                                                0.39948306
##
                      factor(geo_scope, order = F)international regional
##
                                                               -0.89966136
##
                                       factor(geo_scope, order = F)global
##
                                                               -4.05747638
##
                       factor(camp_goals, order = F)Institutional Reform
##
                                                                0.63575809
##
                               factor(camp_goals, order = F)Policy Change
##
                                                                0.69927136
```

(Note: the likelihood ratio and score tests assume independence of

##

шш	f+(
## ##	<pre>factor(camp_goals, order = F)Territorial Secession</pre>
##	factor(camp_goals, order = F)Autonomy
##	1.47042060
##	factor(camp_goals, order = F)Anti-occupation
##	-4.33554273
##	<pre>factor(camp_goals, order = F)Unknown</pre>
##	-0.11819653
##	<pre>strata(enum)enum=2:factor(tactical_choice, order = F)2</pre>
##	-0.50409089
##	<pre>strata(enum)enum=3:factor(tactical_choice, order = F)2</pre>
##	1.00498201
##	<pre>strata(enum)enum=4:factor(tactical_choice, order = F)2</pre>
##	4.21635537
##	<pre>strata(enum)enum=5:factor(tactical_choice, order = F)2</pre>
##	2.31533248
##	strata(enum)enum=6:factor(tactical_choice, order = F)2
##	-9.06115110
## ##	strata(enum)enum=7:factor(tactical_choice, order = F)2 -5.98837415
##	strata(enum)enum=8:factor(tactical_choice, order = F)2
##	1.36552627
##	strata(enum)enum=2:factor(tactical_choice, order = F)3
##	-0.86058771
##	strata(enum)enum=3:factor(tactical_choice, order = F)3
##	0.90572625
##	<pre>strata(enum)enum=4:factor(tactical_choice, order = F)3</pre>
##	-1.79569839
##	<pre>strata(enum)enum=5:factor(tactical_choice, order = F)3</pre>
##	-3.19703219
##	<pre>strata(enum)enum=6:factor(tactical_choice, order = F)3</pre>
##	0.00000000
##	strata(enum)enum=7:factor(tactical_choice, order = F)3
##	-4.55837088
##	strata(enum)enum=8:factor(tactical_choice, order = F)3 0.08395173
## ##	strata(enum)enum=2:regionAmericas
##	-0.03848008
##	strata(enum)enum=3:regionAmericas
##	-0.94902667
##	strata(enum)enum=4:regionAmericas
##	0.61302357
##	strata(enum)enum=5:regionAmericas
##	3.33870347
##	strata(enum)enum=6:regionAmericas
##	8.38831121
##	strata(enum)enum=7:regionAmericas
##	16.91442133
##	strata(enum)enum=8:regionAmericas
##	7.12496200
##	strata(enum)enum=2:regionAsia
##	-0.05271335
##	strata(enum)enum=3:regionAsia
##	0.10754522

##	strata(enum)enum=4:regionAsia
##	-0.48750179
##	strata(enum)enum=5:regionAsia
## ##	2.71309847 strata(enum)enum=6:regionAsia
##	12.52674960
##	strata(enum)enum=7:regionAsia
##	5.96632962
##	strata(enum)enum=8:regionAsia
##	0.03903232
##	strata(enum)enum=2:regionEurope
##	-1.24201173
##	strata(enum)enum=3:regionEurope
##	-0.19102274
##	strata(enum)enum=4:regionEurope
##	-0.73597555
## ##	strata(enum)enum=5:regionEurope -4.64762562
##	strata(enum)enum=6:regionEurope
##	0.00000000
##	strata(enum)enum=7:regionEurope
##	0.00000000
##	strata(enum)enum=8:regionEurope
##	0.00000000
##	strata(enum)enum=2:regionMiddle East
##	-1.22606406
##	strata(enum)enum=3:regionMiddle East
##	0.46641036
## ##	strata(enum)enum=4:regionMiddle East -0.29914763
##	strata(enum)enum=5:regionMiddle East
##	0.53580033
##	strata(enum)enum=6:regionMiddle East
##	6.31436760
##	strata(enum)enum=7:regionMiddle East
##	3.47733271
##	strata(enum)enum=8:regionMiddle East
##	0.91447437
##	strata(enum)enum=2:factor(geo_scope, order = F)regional 0.28213427
## ##	strata(enum)enum=3:factor(geo_scope, order = F)regional
##	-0.67922502
##	strata(enum)enum=4:factor(geo_scope, order = F)regional
##	-0.38556761
##	<pre>strata(enum)enum=5:factor(geo_scope, order = F)regional</pre>
##	0.17067798
##	<pre>strata(enum)enum=6:factor(geo_scope, order = F)regional</pre>
##	6.67332578
##	strata(enum)enum=7:factor(geo_scope, order = F)regional
##	-2.94299303
##	strata(enum)enum=8:factor(geo_scope, order = F)regional
## ##	1.79943216 strata(enum)enum=2:factor(geo_scope, order = F)national
## ##	-0.13055905
иш	0.10003900

```
##
                 strata(enum)enum=3:factor(geo scope, order = F)national
##
                                                               -0.61684350
                 strata(enum)enum=4:factor(geo scope, order = F)national
##
                                                               -0.29687066
##
##
                 strata(enum)enum=5:factor(geo_scope, order = F)national
##
                                                               -1.33774913
                 strata(enum)enum=6:factor(geo scope, order = F)national
##
                                                               -2.98719898
##
                 strata(enum)enum=7:factor(geo_scope, order = F)national
##
                                                               -5.74915693
                 strata(enum)enum=8:factor(geo_scope, order = F)national
##
##
                                                                1.15219893
   strata(enum)enum=2:factor(geo_scope, order = F)international regional
##
##
                                                                3.88854090
   strata(enum)enum=3:factor(geo_scope, order = F)international regional
                                                                1.46512941
   strata(enum)enum=4:factor(geo_scope, order = F)international regional
##
                                                                2.08558935
   strata(enum)enum=5:factor(geo_scope, order = F)international regional
##
                                                                0.0000000
##
   strata(enum)enum=6:factor(geo_scope, order = F)international regional
                                                                0.0000000
   strata(enum)enum=7:factor(geo_scope, order = F)international regional
                                                                0.00000000
   strata(enum)enum=8:factor(geo_scope, order = F)international regional
                                                                0.00000000
##
                   strata(enum)enum=2:factor(geo_scope, order = F)global
##
                                                               -0.40051677
                   strata(enum)enum=3:factor(geo_scope, order = F)global
##
##
                                                                2.50583103
##
                   strata(enum)enum=4:factor(geo_scope, order = F)global
##
                                                                0.00000000
##
                   strata(enum)enum=5:factor(geo_scope, order = F)global
##
                                                                0.0000000
##
                   strata(enum)enum=6:factor(geo_scope, order = F)global
                                                                0.0000000
##
##
                   strata(enum)enum=7:factor(geo_scope, order = F)global
##
                                                                0.0000000
                   strata(enum)enum=8:factor(geo_scope, order = F)global
##
##
                                                                5.19764056
    strata(enum)enum=2:factor(camp goals, order = F)Institutional Reform
##
##
                                                               -0.61116337
    strata(enum)enum=3:factor(camp_goals, order = F)Institutional Reform
##
##
                                                               -0.10854761
    strata(enum)enum=4:factor(camp_goals, order = F)Institutional Reform
##
##
                                                                0.93029256
    strata(enum)enum=5:factor(camp_goals, order = F)Institutional Reform
##
##
                                                                1.69342574
##
    strata(enum)enum=6:factor(camp_goals, order = F)Institutional Reform
##
                                                               -0.77529487
    strata(enum)enum=7:factor(camp_goals, order = F)Institutional Reform
##
##
##
    strata(enum)enum=8:factor(camp_goals, order = F)Institutional Reform
##
                                                               -0.47443426
```

```
##
           strata(enum)enum=2:factor(camp_goals, order = F)Policy Change
##
                                                               -0.82145047
##
           strata(enum)enum=3:factor(camp goals, order = F)Policy Change
##
                                                              -1.38835521
##
           strata(enum)enum=4:factor(camp_goals, order = F)Policy Change
##
                                                                0.27683168
           strata(enum)enum=5:factor(camp goals, order = F)Policy Change
##
##
                                                              -1.93260777
##
           strata(enum)enum=6:factor(camp_goals, order = F)Policy Change
##
                                                              -9.80092910
##
           strata(enum)enum=7:factor(camp_goals, order = F)Policy Change
##
                                                              -5.40878992
           strata(enum)enum=8:factor(camp_goals, order = F)Policy Change
##
##
                                                              -0.98640466
   strata(enum)enum=2:factor(camp_goals, order = F)Territorial Secession
                                                                0.42337971
   strata(enum)enum=3:factor(camp_goals, order = F)Territorial Secession
##
##
                                                                0.0000000
   strata(enum)enum=4:factor(camp_goals, order = F)Territorial Secession
##
                                                                0.0000000
##
  strata(enum)enum=5:factor(camp_goals, order = F)Territorial Secession
                                                               -6.59444025
  strata(enum)enum=6:factor(camp_goals, order = F)Territorial Secession
                                                             -14.86611420
   strata(enum)enum=7:factor(camp_goals, order = F)Territorial Secession
                                                                0.00000000
   strata(enum)enum=8:factor(camp_goals, order = F)Territorial Secession
##
##
                                                                0.0000000
                strata(enum)enum=2:factor(camp_goals, order = F)Autonomy
##
##
                                                              -0.47420144
##
                strata(enum)enum=3:factor(camp_goals, order = F)Autonomy
##
                                                              -1.80506322
##
                strata(enum)enum=4:factor(camp_goals, order = F)Autonomy
##
                                                                0.81492800
                strata(enum)enum=5:factor(camp_goals, order = F)Autonomy
##
##
                                                              -1.08905325
##
                strata(enum)enum=6:factor(camp goals, order = F)Autonomy
##
                                                             -13.26397232
                strata(enum)enum=7:factor(camp_goals, order = F)Autonomy
##
##
                                                                0.0000000
                strata(enum)enum=8:factor(camp_goals, order = F)Autonomy
##
##
                                                                0.38960985
         strata(enum)enum=2:factor(camp_goals, order = F)Anti-occupation
##
##
                                                                0.0000000
         strata(enum)enum=3:factor(camp_goals, order = F)Anti-occupation
##
                                                                0.0000000
##
##
         strata(enum)enum=4:factor(camp_goals, order = F)Anti-occupation
##
                                                                0.00000000
##
         strata(enum)enum=5:factor(camp_goals, order = F)Anti-occupation
##
                                                                0.0000000
         strata(enum)enum=6:factor(camp_goals, order = F)Anti-occupation
##
##
                                                                0.0000000
##
         strata(enum)enum=7:factor(camp_goals, order = F)Anti-occupation
##
                                                                0.0000000
```

```
##
         strata(enum)enum=8:factor(camp_goals, order = F)Anti-occupation
##
                                                               0.00000000
                 strata(enum)enum=2:factor(camp goals, order = F)Unknown
##
##
                                                               0.57089770
##
                 strata(enum)enum=3:factor(camp_goals, order = F)Unknown
##
                                                               0.19842502
                 strata(enum)enum=4:factor(camp goals, order = F)Unknown
##
##
                                                               1.50140652
                 strata(enum)enum=5:factor(camp_goals, order = F)Unknown
##
##
                                                              -7.79108585
##
                 strata(enum)enum=6:factor(camp_goals, order = F)Unknown
##
                                                               0.00000000
                 strata(enum)enum=7:factor(camp_goals, order = F)Unknown
##
##
                                                               0.00000000
##
                 strata(enum)enum=8:factor(camp_goals, order = F)Unknown
##
                                                               3.20118818
pwp1$t
## NULL
df_pwp_final
## # A tibble: 835 x 42
##
      country_name date
                              geo_scope localities actor_id cameo_actor_3
                                                             <chr>
##
      <chr>
                   <date>
                              <ord>
                                         <chr>
                                                    <fct>
  1 algeria
                   1991-12-07 regional El-Oued
##
                                                    non-sta~ REB
                   1992-05-10 local
## 2 algeria
                                        a police ~ non-sta~ UAF
## 3 algeria
                   1994-01-19 regional Algiers
                                                    non-sta~ OPP
                                        Algiers
## 4 algeria
                   1994-01-26 regional
                                                    non-sta~ OPP
## 5 algeria
                   1994-10-05 regional
                                        Kabylie r~ non-sta~ ACT
## 6 algeria
                   1995-04-23 regional
                                        Kabylia R~ non-sta~ OPP
## 7 algeria
                   1997-11-13 regional
                                        Algiers
                                                   non-sta~ OPP
## 8 algeria
                   1998-10-13 national
                                        Algeria
                                                   non-sta~ ACT
## 9 algeria
                   1998-10-19 national
                                        Algeria
                                                   non-sta~ ACT
                                                   non-sta~ ACT
## 10 algeria
                   1998-11-17 national Algeria
## # ... with 825 more rows, and 36 more variables: cameo actor 6 <chr>,
       cameo_actor_9 <chr>, event_actor_list <chr>, verb_10 <ord>, verb_100 <dbl>,
## #
## #
       verb 1000 <dbl>, target 3 <chr>, target 6 <chr>, target 9 <chr>,
## #
       camp_goals <fct>, tactical_choice <ord>, nv_categ <fct>, nc_type <fct>,
## #
       nv_commission <fct>, nv_concentration <fct>, nv_tactic_ns <chr>,
       v_tactic_ns <chr>, st_posture <ord>, damage <ord>, econ_impact <ord>,
## #
       econ_impact_aux <chr>, year <dbl>, month <dbl>, day <dbl>,
## #
       fatal_casu <dbl>, injuries <dbl>, num_partic_event <dbl>, id <dbl>,
## #
       diff_time <dbl>, Stop <dbl>, concessions <dbl>, num_protests_day <int>,
## #
## #
       row_count <int>, enum <dbl>, Start <dbl>, region <chr>
pwp1
## coxph(formula = Surv(Stop, concessions) ~ strata(enum) + factor(tactical_choice,
       order = F) + region + factor(geo_scope, order = F) + factor(camp_goals,
##
##
       order = F) + strata(enum):factor(tactical_choice, order = F) +
       strata(enum):region + strata(enum):factor(geo scope, order = F) +
##
       strata(enum):factor(camp_goals, order = F), data = df_pwp_final,
##
       cluster = id)
```

```
##
##
                                                                                 coef
                                                                          -2.149e+00
## factor(tactical choice, order = F)2
## factor(tactical_choice, order = F)3
                                                                          -1.927e+00
## regionAmericas
                                                                          -5.196e-01
## regionAsia
                                                                          -5.415e-02
## regionEurope
                                                                           6.258e-01
## regionMiddle East
                                                                          -4.284e-02
## factor(geo_scope, order = F)regional
                                                                          -6.361e-02
## factor(geo_scope, order = F)national
                                                                           3.995e-01
## factor(geo_scope, order = F)international regional
                                                                          -8.997e-01
## factor(geo_scope, order = F)global
                                                                          -4.057e+00
## factor(camp_goals, order = F)Institutional Reform
                                                                           6.358e-01
## factor(camp_goals, order = F)Policy Change
                                                                           6.993e-01
## factor(camp_goals, order = F)Territorial Secession
                                                                           8.075e-01
## factor(camp_goals, order = F)Autonomy
                                                                           1.470e+00
## factor(camp_goals, order = F)Anti-occupation
                                                                          -4.336e+00
## factor(camp goals, order = F)Unknown
                                                                          -1.182e-01
## strata(enum)enum=2:factor(tactical_choice, order = F)2
                                                                          -5.041e-01
## strata(enum)enum=3:factor(tactical choice, order = F)2
                                                                           1.005e+00
## strata(enum)enum=4:factor(tactical_choice, order = F)2
                                                                           4.216e+00
## strata(enum)enum=5:factor(tactical choice, order = F)2
                                                                           2.315e+00
## strata(enum)enum=6:factor(tactical_choice, order = F)2
                                                                          -9.061e+00
## strata(enum)enum=7:factor(tactical choice, order = F)2
                                                                          -5.988e+00
## strata(enum)enum=8:factor(tactical choice, order = F)2
                                                                           1.366e+00
## strata(enum)enum=2:factor(tactical choice, order = F)3
                                                                          -8.606e-01
## strata(enum)enum=3:factor(tactical_choice, order = F)3
                                                                           9.057e-01
## strata(enum)enum=4:factor(tactical_choice, order = F)3
                                                                          -1.796e+00
## strata(enum)enum=5:factor(tactical_choice, order = F)3
                                                                          -3.197e+00
## strata(enum)enum=6:factor(tactical_choice, order = F)3
                                                                           0.000e+00
## strata(enum)enum=7:factor(tactical_choice, order = F)3
                                                                          -4.558e+00
## strata(enum)enum=8:factor(tactical_choice, order = F)3
                                                                           8.395e-02
## strata(enum)enum=2:regionAmericas
                                                                          -3.848e-02
## strata(enum)enum=3:regionAmericas
                                                                          -9.490e-01
## strata(enum)enum=4:regionAmericas
                                                                           6.130e-01
## strata(enum)enum=5:regionAmericas
                                                                           3.339e+00
## strata(enum)enum=6:regionAmericas
                                                                           8.388e+00
## strata(enum)enum=7:regionAmericas
                                                                           1.691e+01
## strata(enum)enum=8:regionAmericas
                                                                           7.125e+00
## strata(enum)enum=2:regionAsia
                                                                          -5.271e-02
## strata(enum)enum=3:regionAsia
                                                                           1.075e-01
## strata(enum)enum=4:regionAsia
                                                                          -4.875e-01
## strata(enum)enum=5:regionAsia
                                                                           2.713e+00
## strata(enum)enum=6:regionAsia
                                                                           1.253e+01
## strata(enum)enum=7:regionAsia
                                                                           5.966e+00
## strata(enum)enum=8:regionAsia
                                                                           3.903e-02
## strata(enum)enum=2:regionEurope
                                                                          -1.242e+00
## strata(enum)enum=3:regionEurope
                                                                          -1.910e-01
## strata(enum)enum=4:regionEurope
                                                                          -7.360e-01
## strata(enum)enum=5:regionEurope
                                                                          -4.648e+00
## strata(enum)enum=6:regionEurope
                                                                           0.000e+00
## strata(enum)enum=7:regionEurope
                                                                           0.000e+00
## strata(enum)enum=8:regionEurope
                                                                           0.000e+00
## strata(enum)enum=2:regionMiddle East
                                                                          -1.226e+00
```

```
## strata(enum)enum=3:regionMiddle East
                                                                           4.664e-01
## strata(enum)enum=4:regionMiddle East
                                                                          -2.991e-01
## strata(enum)enum=5:regionMiddle East
                                                                           5.358e-01
## strata(enum)enum=6:regionMiddle East
                                                                           6.314e+00
## strata(enum)enum=7:regionMiddle East
                                                                           3.477e+00
## strata(enum)enum=8:regionMiddle East
                                                                           9.145e-01
## strata(enum)enum=2:factor(geo_scope, order = F)regional
                                                                           2.821e-01
## strata(enum)enum=3:factor(geo_scope, order = F)regional
                                                                          -6.792e-01
## strata(enum)enum=4:factor(geo_scope, order = F)regional
                                                                          -3.856e-01
## strata(enum)enum=5:factor(geo_scope, order = F)regional
                                                                           1.707e-01
## strata(enum)enum=6:factor(geo_scope, order = F)regional
                                                                           6.673e+00
## strata(enum)enum=7:factor(geo_scope, order = F)regional
                                                                          -2.943e+00
## strata(enum)enum=8:factor(geo_scope, order = F)regional
                                                                           1.799e+00
## strata(enum)enum=2:factor(geo_scope, order = F)national
                                                                          -1.306e-01
## strata(enum)enum=3:factor(geo_scope, order = F)national
                                                                          -6.168e-01
## strata(enum)enum=4:factor(geo_scope, order = F)national
                                                                          -2.969e-01
## strata(enum)enum=5:factor(geo_scope, order = F)national
                                                                          -1.338e+00
## strata(enum)enum=6:factor(geo scope, order = F)national
                                                                          -2.987e+00
## strata(enum)enum=7:factor(geo_scope, order = F)national
                                                                          -5.749e+00
## strata(enum)enum=8:factor(geo_scope, order = F)national
                                                                           1.152e+00
## strata(enum)enum=2:factor(geo_scope, order = F)international regional
                                                                           3.889e+00
## strata(enum)enum=3:factor(geo_scope, order = F)international regional
                                                                           1.465e+00
## strata(enum)enum=4:factor(geo_scope, order = F)international regional
                                                                           2.086e+00
## strata(enum)enum=5:factor(geo_scope, order = F)international regional
                                                                           0.000e+00
## strata(enum)enum=6:factor(geo_scope, order = F)international regional
                                                                           0.000e+00
## strata(enum)enum=7:factor(geo_scope, order = F)international regional
                                                                           0.000e+00
## strata(enum)enum=8:factor(geo_scope, order = F)international regional
                                                                           0.000e+00
## strata(enum)enum=2:factor(geo_scope, order = F)global
                                                                          -4.005e-01
## strata(enum)enum=3:factor(geo_scope, order = F)global
                                                                           2.506e+00
## strata(enum)enum=4:factor(geo_scope, order = F)global
                                                                           0.000e+00
## strata(enum)enum=5:factor(geo_scope, order = F)global
                                                                           0.000e+00
## strata(enum)enum=6:factor(geo_scope, order = F)global
                                                                           0.000e+00
## strata(enum)enum=7:factor(geo_scope, order = F)global
                                                                           0.000e+00
## strata(enum)enum=8:factor(geo_scope, order = F)global
                                                                           5.198e+00
## strata(enum)enum=2:factor(camp_goals, order = F)Institutional Reform
                                                                          -6.112e-01
## strata(enum)enum=3:factor(camp_goals, order = F)Institutional Reform
                                                                          -1.085e-01
## strata(enum)enum=4:factor(camp_goals, order = F)Institutional Reform
                                                                           9.303e-01
## strata(enum)enum=5:factor(camp_goals, order = F)Institutional Reform
                                                                           1.693e+00
## strata(enum)enum=6:factor(camp_goals, order = F)Institutional Reform
                                                                          -7.753e-01
## strata(enum)enum=7:factor(camp_goals, order = F)Institutional Reform
                                                                          -4.438e+00
## strata(enum)enum=8:factor(camp goals, order = F)Institutional Reform
                                                                          -4.744e-01
## strata(enum)enum=2:factor(camp_goals, order = F)Policy Change
                                                                          -8.215e-01
## strata(enum)enum=3:factor(camp_goals, order = F)Policy Change
                                                                          -1.388e+00
## strata(enum)enum=4:factor(camp_goals, order = F)Policy Change
                                                                           2.768e-01
## strata(enum)enum=5:factor(camp_goals, order = F)Policy Change
                                                                          -1.933e+00
## strata(enum)enum=6:factor(camp_goals, order = F)Policy Change
                                                                          -9.801e+00
## strata(enum)enum=7:factor(camp_goals, order = F)Policy Change
                                                                          -5.409e+00
## strata(enum)enum=8:factor(camp_goals, order = F)Policy Change
                                                                          -9.864e-01
## strata(enum)enum=2:factor(camp_goals, order = F)Territorial Secession 4.234e-01
## strata(enum)enum=3:factor(camp_goals, order = F)Territorial Secession 0.000e+00
## strata(enum)enum=4:factor(camp_goals, order = F)Territorial Secession 0.000e+00
## strata(enum)enum=5:factor(camp goals, order = F)Territorial Secession -6.594e+00
## strata(enum)enum=6:factor(camp_goals, order = F)Territorial Secession -1.487e+01
## strata(enum)enum=7:factor(camp_goals, order = F)Territorial Secession 0.000e+00
```

```
## strata(enum)enum=8:factor(camp_goals, order = F)Territorial Secession 0.000e+00
## strata(enum)enum=2:factor(camp_goals, order = F)Autonomy
                                                                          -4.742e-01
## strata(enum)enum=3:factor(camp_goals, order = F)Autonomy
                                                                          -1.805e+00
## strata(enum)enum=4:factor(camp_goals, order = F)Autonomy
                                                                           8.149e-01
## strata(enum)enum=5:factor(camp_goals, order = F)Autonomy
                                                                          -1.089e+00
## strata(enum)enum=6:factor(camp_goals, order = F)Autonomy
                                                                          -1.326e+01
## strata(enum)enum=7:factor(camp_goals, order = F)Autonomy
                                                                           0.000e+00
## strata(enum)enum=8:factor(camp_goals, order = F)Autonomy
                                                                           3.896e-01
## strata(enum)enum=2:factor(camp_goals, order = F)Anti-occupation
                                                                           0.000e+00
## strata(enum)enum=3:factor(camp_goals, order = F)Anti-occupation
                                                                           0.000e+00
## strata(enum)enum=4:factor(camp_goals, order = F)Anti-occupation
                                                                           0.000e+00
## strata(enum)enum=5:factor(camp_goals, order = F)Anti-occupation
                                                                           0.000e+00
## strata(enum)enum=6:factor(camp_goals, order = F)Anti-occupation
                                                                           0.000e+00
## strata(enum)enum=7:factor(camp_goals, order = F)Anti-occupation
                                                                           0.000e+00
## strata(enum)enum=8:factor(camp_goals, order = F)Anti-occupation
                                                                           0.000e+00
## strata(enum)enum=2:factor(camp_goals, order = F)Unknown
                                                                           5.709e-01
## strata(enum)enum=3:factor(camp_goals, order = F)Unknown
                                                                           1.984e-01
## strata(enum)enum=4:factor(camp goals, order = F)Unknown
                                                                           1.501e+00
## strata(enum)enum=5:factor(camp_goals, order = F)Unknown
                                                                          -7.791e+00
## strata(enum)enum=6:factor(camp_goals, order = F)Unknown
                                                                           0.000e+00
## strata(enum)enum=7:factor(camp_goals, order = F)Unknown
                                                                           0.000e+00
## strata(enum)enum=8:factor(camp_goals, order = F)Unknown
                                                                           3.201e+00
##
                                                                           exp(coef)
## factor(tactical_choice, order = F)2
                                                                           1.166e-01
## factor(tactical_choice, order = F)3
                                                                           1.456e-01
## regionAmericas
                                                                           5.948e-01
## regionAsia
                                                                           9.473e-01
## regionEurope
                                                                           1.870e+00
## regionMiddle East
                                                                           9.581e-01
## factor(geo_scope, order = F)regional
                                                                           9.384e-01
## factor(geo_scope, order = F)national
                                                                           1.491e+00
## factor(geo_scope, order = F)international regional
                                                                           4.067e-01
## factor(geo_scope, order = F)global
                                                                           1.729e-02
## factor(camp_goals, order = F)Institutional Reform
                                                                           1.888e+00
## factor(camp_goals, order = F)Policy Change
                                                                           2.012e+00
## factor(camp_goals, order = F)Territorial Secession
                                                                           2.242e+00
## factor(camp_goals, order = F)Autonomy
                                                                           4.351e+00
## factor(camp_goals, order = F)Anti-occupation
                                                                           1.309e-02
## factor(camp_goals, order = F)Unknown
                                                                           8.885e-01
## strata(enum)enum=2:factor(tactical_choice, order = F)2
                                                                           6.041e-01
## strata(enum)enum=3:factor(tactical choice, order = F)2
                                                                           2.732e+00
## strata(enum)enum=4:factor(tactical choice, order = F)2
                                                                           6.779e+01
## strata(enum)enum=5:factor(tactical_choice, order = F)2
                                                                           1.013e+01
## strata(enum)enum=6:factor(tactical_choice, order = F)2
                                                                           1.161e-04
## strata(enum)enum=7:factor(tactical_choice, order = F)2
                                                                           2.508e-03
## strata(enum)enum=8:factor(tactical_choice, order = F)2
                                                                           3.918e+00
## strata(enum)enum=2:factor(tactical_choice, order = F)3
                                                                           4.229e-01
## strata(enum)enum=3:factor(tactical_choice, order = F)3
                                                                           2.474e+00
## strata(enum)enum=4:factor(tactical_choice, order = F)3
                                                                           1.660e-01
## strata(enum)enum=5:factor(tactical_choice, order = F)3
                                                                           4.088e-02
## strata(enum)enum=6:factor(tactical_choice, order = F)3
                                                                           1.000e+00
## strata(enum)enum=7:factor(tactical_choice, order = F)3
                                                                           1.048e-02
## strata(enum)enum=8:factor(tactical_choice, order = F)3
                                                                           1.088e+00
## strata(enum)enum=2:regionAmericas
                                                                           9.623e-01
```

```
## strata(enum)enum=3:regionAmericas
                                                                            3.871e-01
## strata(enum)enum=4:regionAmericas
                                                                            1.846e+00
## strata(enum)enum=5:regionAmericas
                                                                           2.818e+01
## strata(enum)enum=6:regionAmericas
                                                                            4.395e+03
## strata(enum)enum=7:regionAmericas
                                                                            2.217e+07
## strata(enum)enum=8:regionAmericas
                                                                            1.243e+03
## strata(enum)enum=2:regionAsia
                                                                           9.487e-01
## strata(enum)enum=3:regionAsia
                                                                            1.114e+00
## strata(enum)enum=4:regionAsia
                                                                            6.142e-01
## strata(enum)enum=5:regionAsia
                                                                           1.508e+01
## strata(enum)enum=6:regionAsia
                                                                            2.756e+05
## strata(enum)enum=7:regionAsia
                                                                            3.901e+02
## strata(enum)enum=8:regionAsia
                                                                            1.040e+00
## strata(enum)enum=2:regionEurope
                                                                            2.888e-01
## strata(enum)enum=3:regionEurope
                                                                           8.261e-01
## strata(enum)enum=4:regionEurope
                                                                           4.790e-01
## strata(enum)enum=5:regionEurope
                                                                            9.584e-03
## strata(enum)enum=6:regionEurope
                                                                           1.000e+00
## strata(enum)enum=7:regionEurope
                                                                            1.000e+00
## strata(enum)enum=8:regionEurope
                                                                            1.000e+00
## strata(enum)enum=2:regionMiddle East
                                                                            2.934e-01
## strata(enum)enum=3:regionMiddle East
                                                                           1.594e+00
## strata(enum)enum=4:regionMiddle East
                                                                           7.414e-01
## strata(enum)enum=5:regionMiddle East
                                                                           1.709e+00
## strata(enum)enum=6:regionMiddle East
                                                                            5.525e+02
## strata(enum)enum=7:regionMiddle East
                                                                            3.237e+01
## strata(enum)enum=8:regionMiddle East
                                                                            2.495e+00
## strata(enum)enum=2:factor(geo_scope, order = F)regional
                                                                            1.326e+00
## strata(enum)enum=3:factor(geo_scope, order = F)regional
                                                                            5.070e-01
## strata(enum)enum=4:factor(geo_scope, order = F)regional
                                                                            6.801e-01
## strata(enum)enum=5:factor(geo_scope, order = F)regional
                                                                            1.186e+00
## strata(enum)enum=6:factor(geo_scope, order = F)regional
                                                                           7.910e+02
## strata(enum)enum=7:factor(geo_scope, order = F)regional
                                                                           5.271e-02
## strata(enum)enum=8:factor(geo_scope, order = F)regional
                                                                           6.046e+00
## strata(enum)enum=2:factor(geo scope, order = F)national
                                                                           8.776e-01
## strata(enum)enum=3:factor(geo_scope, order = F)national
                                                                           5.396e-01
## strata(enum)enum=4:factor(geo_scope, order = F)national
                                                                           7.431e-01
## strata(enum)enum=5:factor(geo_scope, order = F)national
                                                                           2.624e-01
## strata(enum)enum=6:factor(geo_scope, order = F)national
                                                                            5.043e-02
## strata(enum)enum=7:factor(geo_scope, order = F)national
                                                                            3.185e-03
## strata(enum)enum=8:factor(geo scope, order = F)national
                                                                            3.165e+00
## strata(enum)enum=2:factor(geo_scope, order = F)international regional
                                                                           4.884e+01
## strata(enum)enum=3:factor(geo_scope, order = F)international regional
                                                                           4.328e+00
## strata(enum)enum=4:factor(geo_scope, order = F)international regional
                                                                           8.049e+00
## strata(enum)enum=5:factor(geo_scope, order = F)international regional
                                                                           1.000e+00
## strata(enum)enum=6:factor(geo_scope, order = F)international regional
                                                                           1.000e+00
## strata(enum)enum=7:factor(geo_scope, order = F)international regional
                                                                           1.000e+00
## strata(enum)enum=8:factor(geo_scope, order = F)international regional
                                                                           1.000e+00
## strata(enum)enum=2:factor(geo_scope, order = F)global
                                                                            6.700e-01
## strata(enum)enum=3:factor(geo_scope, order = F)global
                                                                            1.225e+01
                                                                            1.000e+00
## strata(enum)enum=4:factor(geo_scope, order = F)global
## strata(enum)enum=5:factor(geo_scope, order = F)global
                                                                           1.000e+00
## strata(enum)enum=6:factor(geo_scope, order = F)global
                                                                           1.000e+00
## strata(enum)enum=7:factor(geo_scope, order = F)global
                                                                           1.000e+00
```

```
## strata(enum)enum=8:factor(geo_scope, order = F)global
                                                                           1.808e+02
## strata(enum)enum=2:factor(camp_goals, order = F)Institutional Reform
                                                                           5.427e-01
## strata(enum)enum=3:factor(camp_goals, order = F)Institutional Reform
                                                                           8.971e-01
## strata(enum)enum=4:factor(camp_goals, order = F)Institutional Reform
                                                                           2.535e+00
## strata(enum)enum=5:factor(camp_goals, order = F)Institutional Reform
                                                                           5.438e+00
## strata(enum)enum=6:factor(camp goals, order = F)Institutional Reform
                                                                           4.606e-01
## strata(enum)enum=7:factor(camp goals, order = F)Institutional Reform
                                                                           1.182e-02
## strata(enum)enum=8:factor(camp_goals, order = F)Institutional Reform
                                                                           6.222e-01
## strata(enum)enum=2:factor(camp_goals, order = F)Policy Change
                                                                           4.398e-01
## strata(enum)enum=3:factor(camp_goals, order = F)Policy Change
                                                                           2.495e-01
## strata(enum)enum=4:factor(camp_goals, order = F)Policy Change
                                                                           1.319e+00
## strata(enum)enum=5:factor(camp_goals, order = F)Policy Change
                                                                           1.448e-01
## strata(enum)enum=6:factor(camp_goals, order = F)Policy Change
                                                                           5.540e-05
## strata(enum)enum=7:factor(camp_goals, order = F)Policy Change
                                                                           4.477e-03
## strata(enum)enum=8:factor(camp_goals, order = F)Policy Change
                                                                           3.729e-01
## strata(enum)enum=2:factor(camp_goals, order = F)Territorial Secession
                                                                           1.527e+00
## strata(enum)enum=3:factor(camp_goals, order = F)Territorial Secession
                                                                           1.000e+00
## strata(enum)enum=4:factor(camp_goals, order = F)Territorial Secession
                                                                           1.000e+00
## strata(enum)enum=5:factor(camp_goals, order = F)Territorial Secession
                                                                           1.368e-03
## strata(enum)enum=6:factor(camp_goals, order = F)Territorial Secession
                                                                           3.497e-07
## strata(enum)enum=7:factor(camp_goals, order = F)Territorial Secession
                                                                           1.000e+00
## strata(enum)enum=8:factor(camp_goals, order = F)Territorial Secession
                                                                          1.000e+00
## strata(enum)enum=2:factor(camp_goals, order = F)Autonomy
                                                                           6.224e-01
## strata(enum)enum=3:factor(camp_goals, order = F)Autonomy
                                                                           1.645e-01
## strata(enum)enum=4:factor(camp_goals, order = F)Autonomy
                                                                           2.259e+00
## strata(enum)enum=5:factor(camp_goals, order = F)Autonomy
                                                                           3.365e-01
## strata(enum)enum=6:factor(camp_goals, order = F)Autonomy
                                                                           1.736e-06
## strata(enum)enum=7:factor(camp_goals, order = F)Autonomy
                                                                           1.000e+00
## strata(enum)enum=8:factor(camp_goals, order = F)Autonomy
                                                                           1.476e+00
## strata(enum)enum=2:factor(camp_goals, order = F)Anti-occupation
                                                                           1.000e+00
## strata(enum)enum=3:factor(camp_goals, order = F)Anti-occupation
                                                                           1.000e+00
## strata(enum)enum=4:factor(camp_goals, order = F)Anti-occupation
                                                                           1.000e+00
## strata(enum)enum=5:factor(camp_goals, order = F)Anti-occupation
                                                                           1.000e+00
## strata(enum)enum=6:factor(camp_goals, order = F)Anti-occupation
                                                                           1.000e+00
## strata(enum)enum=7:factor(camp_goals, order = F)Anti-occupation
                                                                           1.000e+00
## strata(enum)enum=8:factor(camp_goals, order = F)Anti-occupation
                                                                           1.000e+00
## strata(enum)enum=2:factor(camp_goals, order = F)Unknown
                                                                           1.770e+00
## strata(enum)enum=3:factor(camp_goals, order = F)Unknown
                                                                           1.219e+00
                                                                           4.488e+00
## strata(enum)enum=4:factor(camp_goals, order = F)Unknown
## strata(enum)enum=5:factor(camp_goals, order = F)Unknown
                                                                           4.134e-04
## strata(enum)enum=6:factor(camp goals, order = F)Unknown
                                                                           1.000e+00
## strata(enum)enum=7:factor(camp_goals, order = F)Unknown
                                                                           1.000e+00
## strata(enum)enum=8:factor(camp_goals, order = F)Unknown
                                                                           2.456e+01
##
                                                                            se(coef)
## factor(tactical_choice, order = F)2
                                                                           2.839e-01
## factor(tactical_choice, order = F)3
                                                                           2.345e-01
## regionAmericas
                                                                           2.278e-01
## regionAsia
                                                                           1.124e-01
## regionEurope
                                                                           1.936e-01
## regionMiddle East
                                                                           1.440e-01
## factor(geo_scope, order = F)regional
                                                                           9.878e-02
## factor(geo_scope, order = F)national
                                                                           1.049e-01
## factor(geo_scope, order = F)international regional
                                                                           5.260e-01
## factor(geo_scope, order = F)global
                                                                           7.010e-01
```

```
## factor(camp_goals, order = F)Institutional Reform
                                                                           1.480e-01
## factor(camp_goals, order = F)Policy Change
                                                                           1.066e-01
## factor(camp goals, order = F)Territorial Secession
                                                                           3.821e-01
## factor(camp_goals, order = F)Autonomy
                                                                           2.068e-01
## factor(camp_goals, order = F)Anti-occupation
                                                                           5.343e+00
## factor(camp goals, order = F)Unknown
                                                                           2.376e-01
## strata(enum)enum=2:factor(tactical choice, order = F)2
                                                                           7.281e-01
## strata(enum)enum=3:factor(tactical_choice, order = F)2
                                                                           7.261e-01
## strata(enum)enum=4:factor(tactical_choice, order = F)2
                                                                           1.022e+00
## strata(enum)enum=5:factor(tactical_choice, order = F)2
                                                                           8.890e-01
## strata(enum)enum=6:factor(tactical_choice, order = F)2
                                                                           7.552e-01
## strata(enum)enum=7:factor(tactical_choice, order = F)2
                                                                           1.160e+00
## strata(enum)enum=8:factor(tactical_choice, order = F)2
                                                                           1.016e+00
## strata(enum)enum=2:factor(tactical_choice, order = F)3
                                                                           7.048e-01
## strata(enum)enum=3:factor(tactical_choice, order = F)3
                                                                           5.229e-01
## strata(enum)enum=4:factor(tactical_choice, order = F)3
                                                                           2.717e+00
## strata(enum)enum=5:factor(tactical_choice, order = F)3
                                                                           4.171e+00
## strata(enum)enum=6:factor(tactical choice, order = F)3
                                                                           0.000e+00
## strata(enum)enum=7:factor(tactical_choice, order = F)3
                                                                           1.122e+00
## strata(enum)enum=8:factor(tactical choice, order = F)3
                                                                           4.555e-01
## strata(enum)enum=2:regionAmericas
                                                                           4.668e-01
## strata(enum)enum=3:regionAmericas
                                                                           7.260e-01
## strata(enum)enum=4:regionAmericas
                                                                           7.512e-01
## strata(enum)enum=5:regionAmericas
                                                                           2.580e+00
## strata(enum)enum=6:regionAmericas
                                                                           4.151e+02
## strata(enum)enum=7:regionAmericas
                                                                           2.224e+02
## strata(enum)enum=8:regionAmericas
                                                                           4.869e-01
## strata(enum)enum=2:regionAsia
                                                                           2.595e-01
## strata(enum)enum=3:regionAsia
                                                                           3.038e-01
## strata(enum)enum=4:regionAsia
                                                                           4.677e-01
## strata(enum)enum=5:regionAsia
                                                                           7.610e-01
## strata(enum)enum=6:regionAsia
                                                                           7.573e-01
## strata(enum)enum=7:regionAsia
                                                                           7.076e-01
## strata(enum)enum=8:regionAsia
                                                                           2.223e-01
## strata(enum)enum=2:regionEurope
                                                                           3.981e-01
## strata(enum)enum=3:regionEurope
                                                                           4.360e-01
## strata(enum)enum=4:regionEurope
                                                                           7.466e-01
## strata(enum)enum=5:regionEurope
                                                                           6.039e+00
## strata(enum)enum=6:regionEurope
                                                                           0.000e+00
## strata(enum)enum=7:regionEurope
                                                                           0.000e+00
## strata(enum)enum=8:regionEurope
                                                                           0.000e+00
                                                                           3.425e-01
## strata(enum)enum=2:regionMiddle East
## strata(enum)enum=3:regionMiddle East
                                                                           3.937e-01
## strata(enum)enum=4:regionMiddle East
                                                                           4.717e-01
## strata(enum)enum=5:regionMiddle East
                                                                           7.812e-01
## strata(enum)enum=6:regionMiddle East
                                                                           1.280e+00
## strata(enum)enum=7:regionMiddle East
                                                                           9.424e-01
## strata(enum)enum=8:regionMiddle East
                                                                           1.005e+00
## strata(enum)enum=2:factor(geo_scope, order = F)regional
                                                                           2.223e-01
## strata(enum)enum=3:factor(geo_scope, order = F)regional
                                                                           2.799e-01
## strata(enum)enum=4:factor(geo_scope, order = F)regional
                                                                           3.882e-01
## strata(enum)enum=5:factor(geo_scope, order = F)regional
                                                                           7.007e-01
## strata(enum)enum=6:factor(geo_scope, order = F)regional
                                                                           7.300e-01
## strata(enum)enum=7:factor(geo_scope, order = F)regional
                                                                           6.770e-01
```

```
## strata(enum)enum=8:factor(geo_scope, order = F)regional
                                                                           2.214e-01
## strata(enum)enum=2:factor(geo_scope, order = F)national
                                                                           2.415e-01
## strata(enum)enum=3:factor(geo_scope, order = F)national
                                                                           2.838e-01
## strata(enum)enum=4:factor(geo_scope, order = F)national
                                                                           4.125e-01
## strata(enum)enum=5:factor(geo_scope, order = F)national
                                                                           6.214e-01
## strata(enum)enum=6:factor(geo_scope, order = F)national
                                                                           8.488e-01
## strata(enum)enum=7:factor(geo_scope, order = F)national
                                                                           7.717e-01
## strata(enum)enum=8:factor(geo_scope, order = F)national
                                                                           2.386e-01
## strata(enum)enum=2:factor(geo_scope, order = F)international regional
                                                                           1.092e+00
## strata(enum)enum=3:factor(geo_scope, order = F)international regional
                                                                           1.027e+00
## strata(enum)enum=4:factor(geo_scope, order = F)international regional
                                                                           1.094e+00
## strata(enum)enum=5:factor(geo_scope, order = F)international regional
                                                                           0.000e+00
## strata(enum)enum=6:factor(geo_scope, order = F)international regional
                                                                           0.000e+00
## strata(enum)enum=7:factor(geo_scope, order = F)international regional
                                                                           0.000e+00
## strata(enum)enum=8:factor(geo_scope, order = F)international regional
                                                                           0.000e+00
## strata(enum)enum=2:factor(geo_scope, order = F)global
                                                                           4.976e+00
## strata(enum)enum=3:factor(geo_scope, order = F)global
                                                                           1.013e+00
## strata(enum)enum=4:factor(geo_scope, order = F)global
                                                                           0.000e+00
## strata(enum)enum=5:factor(geo_scope, order = F)global
                                                                           0.000e+00
## strata(enum)enum=6:factor(geo_scope, order = F)global
                                                                           0.000e+00
## strata(enum)enum=7:factor(geo_scope, order = F)global
                                                                           0.000e+00
## strata(enum)enum=8:factor(geo_scope, order = F)global
                                                                           1.015e+00
## strata(enum)enum=2:factor(camp_goals, order = F)Institutional Reform
                                                                           3.388e-01
## strata(enum)enum=3:factor(camp_goals, order = F)Institutional Reform
                                                                           4.097e-01
## strata(enum)enum=4:factor(camp_goals, order = F)Institutional Reform
                                                                           4.462e-01
## strata(enum)enum=5:factor(camp_goals, order = F)Institutional Reform
                                                                           1.001e+00
## strata(enum)enum=6:factor(camp_goals, order = F)Institutional Reform
                                                                           8.461e-01
## strata(enum)enum=7:factor(camp_goals, order = F)Institutional Reform
                                                                           6.880e-01
## strata(enum)enum=8:factor(camp_goals, order = F)Institutional Reform
                                                                           3.936e-01
## strata(enum)enum=2:factor(camp_goals, order = F)Policy Change
                                                                           2.300e-01
## strata(enum)enum=3:factor(camp_goals, order = F)Policy Change
                                                                           2.835e-01
## strata(enum)enum=4:factor(camp_goals, order = F)Policy Change
                                                                           3.987e-01
## strata(enum)enum=5:factor(camp_goals, order = F)Policy Change
                                                                           6.038e-01
## strata(enum)enum=6:factor(camp_goals, order = F)Policy Change
                                                                           7.109e-01
## strata(enum)enum=7:factor(camp_goals, order = F)Policy Change
                                                                           7.601e-01
## strata(enum)enum=8:factor(camp_goals, order = F)Policy Change
                                                                           2.555e-01
## strata(enum)enum=2:factor(camp_goals, order = F)Territorial Secession
                                                                           5.931e-01
## strata(enum)enum=3:factor(camp_goals, order = F)Territorial Secession
                                                                           0.000e+00
## strata(enum)enum=4:factor(camp_goals, order = F)Territorial Secession
                                                                           0.000e+00
## strata(enum)enum=5:factor(camp_goals, order = F)Territorial Secession
                                                                           6.011e+00
## strata(enum)enum=6:factor(camp_goals, order = F)Territorial Secession
                                                                           3.365e+00
## strata(enum)enum=7:factor(camp_goals, order = F)Territorial Secession
                                                                           0.000e+00
## strata(enum)enum=8:factor(camp_goals, order = F)Territorial Secession
                                                                           0.000e+00
## strata(enum)enum=2:factor(camp_goals, order = F)Autonomy
                                                                           7.228e-01
## strata(enum)enum=3:factor(camp_goals, order = F)Autonomy
                                                                           7.254e-01
## strata(enum)enum=4:factor(camp_goals, order = F)Autonomy
                                                                           1.030e+00
## strata(enum)enum=5:factor(camp_goals, order = F)Autonomy
                                                                           1.115e+00
## strata(enum)enum=6:factor(camp_goals, order = F)Autonomy
                                                                           7.159e+00
## strata(enum)enum=7:factor(camp_goals, order = F)Autonomy
                                                                           0.000e+00
## strata(enum)enum=8:factor(camp_goals, order = F)Autonomy
                                                                           2.592e-01
## strata(enum)enum=2:factor(camp_goals, order = F)Anti-occupation
                                                                           5.343e+00
## strata(enum)enum=3:factor(camp_goals, order = F)Anti-occupation
                                                                           0.000e+00
## strata(enum)enum=4:factor(camp_goals, order = F)Anti-occupation
                                                                           0.000e+00
## strata(enum)enum=5:factor(camp_goals, order = F)Anti-occupation
                                                                           0.000e+00
```

```
## strata(enum)enum=6:factor(camp_goals, order = F)Anti-occupation
                                                                           0.000e+00
## strata(enum)enum=7:factor(camp_goals, order = F)Anti-occupation
                                                                           0.000e+00
## strata(enum)enum=8:factor(camp_goals, order = F)Anti-occupation
                                                                           0.000e+00
## strata(enum)enum=2:factor(camp_goals, order = F)Unknown
                                                                           4.261e-01
## strata(enum)enum=3:factor(camp_goals, order = F)Unknown
                                                                           4.722e-01
## strata(enum)enum=4:factor(camp goals, order = F)Unknown
                                                                           5.567e+00
## strata(enum)enum=5:factor(camp goals, order = F)Unknown
                                                                           4.370e+00
## strata(enum)enum=6:factor(camp_goals, order = F)Unknown
                                                                           0.000e+00
## strata(enum)enum=7:factor(camp_goals, order = F)Unknown
                                                                           1.160e+00
## strata(enum)enum=8:factor(camp_goals, order = F)Unknown
                                                                           6.990e-01
##
                                                                           robust se
## factor(tactical_choice, order = F)2
                                                                           2.139e-01
## factor(tactical_choice, order = F)3
                                                                           3.387e-01
## regionAmericas
                                                                           1.558e-01
## regionAsia
                                                                           1.107e-01
## regionEurope
                                                                           2.328e-01
## regionMiddle East
                                                                           2.191e-01
## factor(geo scope, order = F)regional
                                                                           1.143e-01
## factor(geo_scope, order = F)national
                                                                           1.049e-01
## factor(geo_scope, order = F)international regional
                                                                           4.234e-01
## factor(geo_scope, order = F)global
                                                                           6.648e-01
## factor(camp_goals, order = F)Institutional Reform
                                                                           1.638e-01
## factor(camp_goals, order = F)Policy Change
                                                                           1.317e-01
## factor(camp_goals, order = F)Territorial Secession
                                                                           4.601e-01
## factor(camp_goals, order = F)Autonomy
                                                                           3.697e-01
## factor(camp_goals, order = F)Anti-occupation
                                                                           1.012e+00
## factor(camp_goals, order = F)Unknown
                                                                           2.598e-01
## strata(enum)enum=2:factor(tactical_choice, order = F)2
                                                                           6.582e-01
## strata(enum)enum=3:factor(tactical_choice, order = F)2
                                                                           8.910e-01
## strata(enum)enum=4:factor(tactical_choice, order = F)2
                                                                           3.297e-01
## strata(enum)enum=5:factor(tactical_choice, order = F)2
                                                                           6.591e-01
## strata(enum)enum=6:factor(tactical_choice, order = F)2
                                                                           5.674e-01
## strata(enum)enum=7:factor(tactical_choice, order = F)2
                                                                           2.432e-01
## strata(enum)enum=8:factor(tactical_choice, order = F)2
                                                                           1.751e-01
## strata(enum)enum=2:factor(tactical choice, order = F)3
                                                                           7.582e-01
## strata(enum)enum=3:factor(tactical_choice, order = F)3
                                                                           5.244e-01
## strata(enum)enum=4:factor(tactical choice, order = F)3
                                                                           4.874e-01
## strata(enum)enum=5:factor(tactical_choice, order = F)3
                                                                           1.006e+00
## strata(enum)enum=6:factor(tactical_choice, order = F)3
                                                                           0.000e+00
## strata(enum)enum=7:factor(tactical_choice, order = F)3
                                                                           1.162e+00
## strata(enum)enum=8:factor(tactical choice, order = F)3
                                                                           8.389e-01
## strata(enum)enum=2:regionAmericas
                                                                           3.919e-01
## strata(enum)enum=3:regionAmericas
                                                                           6.315e-01
## strata(enum)enum=4:regionAmericas
                                                                           7.666e-01
## strata(enum)enum=5:regionAmericas
                                                                           4.085e-01
## strata(enum)enum=6:regionAmericas
                                                                           5.423e-01
## strata(enum)enum=7:regionAmericas
                                                                           5.889e-01
## strata(enum)enum=8:regionAmericas
                                                                           6.840e-01
## strata(enum)enum=2:regionAsia
                                                                           2.174e-01
## strata(enum)enum=3:regionAsia
                                                                           3.186e-01
## strata(enum)enum=4:regionAsia
                                                                           4.589e-01
## strata(enum)enum=5:regionAsia
                                                                           6.418e-01
## strata(enum)enum=6:regionAsia
                                                                           5.317e-01
## strata(enum)enum=7:regionAsia
                                                                           5.879e-01
```

```
## strata(enum)enum=8:regionAsia
                                                                           2.656e-01
## strata(enum)enum=2:regionEurope
                                                                           3.341e-01
## strata(enum)enum=3:regionEurope
                                                                           3.309e-01
## strata(enum)enum=4:regionEurope
                                                                           5.941e-01
## strata(enum)enum=5:regionEurope
                                                                           1.016e+00
## strata(enum)enum=6:regionEurope
                                                                           0.000e+00
## strata(enum)enum=7:regionEurope
                                                                           0.000e+00
## strata(enum)enum=8:regionEurope
                                                                           0.000e+00
## strata(enum)enum=2:regionMiddle East
                                                                           4.368e-01
## strata(enum)enum=3:regionMiddle East
                                                                           4.909e-01
## strata(enum)enum=4:regionMiddle East
                                                                           3.815e-01
## strata(enum)enum=5:regionMiddle East
                                                                           8.687e-01
## strata(enum)enum=6:regionMiddle East
                                                                           8.342e-01
## strata(enum)enum=7:regionMiddle East
                                                                           1.055e+00
## strata(enum)enum=8:regionMiddle East
                                                                           1.093e+00
## strata(enum)enum=2:factor(geo_scope, order = F)regional
                                                                           2.102e-01
## strata(enum)enum=3:factor(geo_scope, order = F)regional
                                                                           2.819e-01
## strata(enum)enum=4:factor(geo scope, order = F)regional
                                                                           3.495e-01
## strata(enum)enum=5:factor(geo_scope, order = F)regional
                                                                           5.542e-01
## strata(enum)enum=6:factor(geo_scope, order = F)regional
                                                                           5.830e-01
## strata(enum)enum=7:factor(geo_scope, order = F)regional
                                                                           5.036e-01
## strata(enum)enum=8:factor(geo_scope, order = F)regional
                                                                           2.835e-01
## strata(enum)enum=2:factor(geo_scope, order = F)national
                                                                           1.923e-01
## strata(enum)enum=3:factor(geo scope, order = F)national
                                                                           2.735e-01
## strata(enum)enum=4:factor(geo_scope, order = F)national
                                                                           3.746e-01
## strata(enum)enum=5:factor(geo_scope, order = F)national
                                                                           5.035e-01
## strata(enum)enum=6:factor(geo_scope, order = F)national
                                                                           7.920e-01
## strata(enum)enum=7:factor(geo_scope, order = F)national
                                                                           7.013e-01
## strata(enum)enum=8:factor(geo_scope, order = F)national
                                                                           2.406e-01
## strata(enum)enum=2:factor(geo_scope, order = F)international regional
                                                                           4.516e-01
## strata(enum)enum=3:factor(geo_scope, order = F)international regional
                                                                           1.055e+00
## strata(enum)enum=4:factor(geo_scope, order = F)international regional
                                                                           4.585e-01
## strata(enum)enum=5:factor(geo_scope, order = F)international regional
                                                                           0.000e+00
## strata(enum)enum=6:factor(geo_scope, order = F)international regional
                                                                           0.000e+00
## strata(enum)enum=7:factor(geo_scope, order = F)international regional
                                                                           0.000e+00
## strata(enum)enum=8:factor(geo_scope, order = F)international regional
                                                                           0.000e+00
## strata(enum)enum=2:factor(geo_scope, order = F)global
                                                                           1.028e+00
## strata(enum)enum=3:factor(geo_scope, order = F)global
                                                                           1.350e+00
## strata(enum)enum=4:factor(geo_scope, order = F)global
                                                                           0.000e+00
## strata(enum)enum=5:factor(geo_scope, order = F)global
                                                                           0.000e+00
## strata(enum)enum=6:factor(geo scope, order = F)global
                                                                           0.000e+00
## strata(enum)enum=7:factor(geo_scope, order = F)global
                                                                           0.000e+00
## strata(enum)enum=8:factor(geo_scope, order = F)global
                                                                           1.997e-01
## strata(enum)enum=2:factor(camp_goals, order = F)Institutional Reform
                                                                           2.945e-01
## strata(enum)enum=3:factor(camp_goals, order = F)Institutional Reform
                                                                           4.373e-01
## strata(enum)enum=4:factor(camp_goals, order = F)Institutional Reform
                                                                           3.395e-01
## strata(enum)enum=5:factor(camp_goals, order = F)Institutional Reform
                                                                           4.454e-01
## strata(enum)enum=6:factor(camp_goals, order = F)Institutional Reform
                                                                           7.216e-01
## strata(enum)enum=7:factor(camp_goals, order = F)Institutional Reform
                                                                           5.311e-01
## strata(enum)enum=8:factor(camp_goals, order = F)Institutional Reform
                                                                           4.023e-01
                                                                           2.168e-01
## strata(enum)enum=2:factor(camp_goals, order = F)Policy Change
## strata(enum)enum=3:factor(camp goals, order = F)Policy Change
                                                                           2.883e-01
## strata(enum)enum=4:factor(camp_goals, order = F)Policy Change
                                                                           3.280e-01
## strata(enum)enum=5:factor(camp_goals, order = F)Policy Change
                                                                           4.424e-01
```

```
## strata(enum)enum=6:factor(camp_goals, order = F)Policy Change
                                                                           5.275e-01
## strata(enum)enum=7:factor(camp_goals, order = F)Policy Change
                                                                           6.662e-01
## strata(enum)enum=8:factor(camp_goals, order = F)Policy Change
                                                                           4.021e-01
## strata(enum)enum=2:factor(camp_goals, order = F)Territorial Secession 8.909e-01
                                                                          0.000e+00
## strata(enum)enum=3:factor(camp_goals, order = F)Territorial Secession
## strata(enum)enum=4:factor(camp goals, order = F)Territorial Secession 0.000e+00
## strata(enum)enum=5:factor(camp goals, order = F)Territorial Secession 1.075e+00
## strata(enum)enum=6:factor(camp_goals, order = F)Territorial Secession 1.003e+00
## strata(enum)enum=7:factor(camp_goals, order = F)Territorial Secession
                                                                           0.000e+00
## strata(enum)enum=8:factor(camp_goals, order = F)Territorial Secession
                                                                          0.000e+00
## strata(enum)enum=2:factor(camp_goals, order = F)Autonomy
                                                                           4.393e-01
## strata(enum)enum=3:factor(camp_goals, order = F)Autonomy
                                                                           6.544e-01
## strata(enum)enum=4:factor(camp_goals, order = F)Autonomy
                                                                           2.619e-01
## strata(enum)enum=5:factor(camp_goals, order = F)Autonomy
                                                                           3.183e-01
## strata(enum)enum=6:factor(camp_goals, order = F)Autonomy
                                                                           1.064e+00
## strata(enum)enum=7:factor(camp_goals, order = F)Autonomy
                                                                           0.000e+00
## strata(enum)enum=8:factor(camp_goals, order = F)Autonomy
                                                                           5.504e-01
## strata(enum)enum=2:factor(camp_goals, order = F)Anti-occupation
                                                                           1.012e+00
## strata(enum)enum=3:factor(camp_goals, order = F)Anti-occupation
                                                                           0.000e+00
## strata(enum)enum=4:factor(camp_goals, order = F)Anti-occupation
                                                                           0.000e+00
## strata(enum)enum=5:factor(camp_goals, order = F)Anti-occupation
                                                                           0.000e+00
## strata(enum)enum=6:factor(camp_goals, order = F)Anti-occupation
                                                                           0.000e+00
## strata(enum)enum=7:factor(camp_goals, order = F)Anti-occupation
                                                                           0.000e+00
## strata(enum)enum=8:factor(camp_goals, order = F)Anti-occupation
                                                                           0.000e+00
## strata(enum)enum=2:factor(camp_goals, order = F)Unknown
                                                                           5.373e-01
## strata(enum)enum=3:factor(camp_goals, order = F)Unknown
                                                                           4.070e-01
## strata(enum)enum=4:factor(camp_goals, order = F)Unknown
                                                                           1.020e+00
## strata(enum)enum=5:factor(camp_goals, order = F)Unknown
                                                                           8.719e-01
## strata(enum)enum=6:factor(camp_goals, order = F)Unknown
                                                                           0.000e+00
## strata(enum)enum=7:factor(camp_goals, order = F)Unknown
                                                                           2.432e-01
## strata(enum)enum=8:factor(camp_goals, order = F)Unknown
                                                                           8.692e-01
##
                                                                                z
## factor(tactical_choice, order = F)2
                                                                          -10.043
## factor(tactical_choice, order = F)3
                                                                           -5.689
## regionAmericas
                                                                           -3.335
## regionAsia
                                                                           -0.489
## regionEurope
                                                                            2.688
## regionMiddle East
                                                                           -0.196
## factor(geo_scope, order = F)regional
                                                                           -0.557
## factor(geo_scope, order = F)national
                                                                            3.810
## factor(geo scope, order = F)international regional
                                                                           -2.125
## factor(geo_scope, order = F)global
                                                                           -6.103
## factor(camp_goals, order = F)Institutional Reform
                                                                            3.881
## factor(camp_goals, order = F)Policy Change
                                                                            5.308
## factor(camp_goals, order = F)Territorial Secession
                                                                            1.755
## factor(camp_goals, order = F)Autonomy
                                                                            3.977
## factor(camp_goals, order = F)Anti-occupation
                                                                           -4.282
## factor(camp_goals, order = F)Unknown
                                                                           -0.455
## strata(enum)enum=2:factor(tactical_choice, order = F)2
                                                                           -0.766
## strata(enum)enum=3:factor(tactical_choice, order = F)2
                                                                            1.128
## strata(enum)enum=4:factor(tactical_choice, order = F)2
                                                                           12.789
## strata(enum)enum=5:factor(tactical choice, order = F)2
                                                                            3.513
## strata(enum)enum=6:factor(tactical_choice, order = F)2
                                                                          -15.969
## strata(enum)enum=7:factor(tactical choice, order = F)2
                                                                          -24.620
```

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## strata(enum)enum=8:factor(tactical_choice, order = F)2
                                                                            7.798
## strata(enum)enum=2:factor(tactical_choice, order = F)3
                                                                           -1.135
## strata(enum)enum=3:factor(tactical choice, order = F)3
                                                                            1.727
## strata(enum)enum=4:factor(tactical_choice, order = F)3
                                                                           -3.684
## strata(enum)enum=5:factor(tactical_choice, order = F)3
                                                                           -3.179
## strata(enum)enum=6:factor(tactical choice, order = F)3
                                                                               ΝA
## strata(enum)enum=7:factor(tactical choice, order = F)3
                                                                           -3.923
## strata(enum)enum=8:factor(tactical choice, order = F)3
                                                                            0.100
## strata(enum)enum=2:regionAmericas
                                                                           -0.098
## strata(enum)enum=3:regionAmericas
                                                                           -1.503
## strata(enum)enum=4:regionAmericas
                                                                            0.800
## strata(enum)enum=5:regionAmericas
                                                                            8.173
## strata(enum)enum=6:regionAmericas
                                                                           15.467
## strata(enum)enum=7:regionAmericas
                                                                           28.721
## strata(enum)enum=8:regionAmericas
                                                                           10.417
## strata(enum)enum=2:regionAsia
                                                                           -0.242
## strata(enum)enum=3:regionAsia
                                                                            0.338
## strata(enum)enum=4:regionAsia
                                                                           -1.062
## strata(enum)enum=5:regionAsia
                                                                            4.227
## strata(enum)enum=6:regionAsia
                                                                           23.558
## strata(enum)enum=7:regionAsia
                                                                           10.149
## strata(enum)enum=8:regionAsia
                                                                            0.147
## strata(enum)enum=2:regionEurope
                                                                           -3.718
## strata(enum)enum=3:regionEurope
                                                                           -0.577
## strata(enum)enum=4:regionEurope
                                                                           -1.239
## strata(enum)enum=5:regionEurope
                                                                           -4.573
## strata(enum)enum=6:regionEurope
                                                                               NA
## strata(enum)enum=7:regionEurope
                                                                               NA
## strata(enum)enum=8:regionEurope
                                                                               NA
## strata(enum)enum=2:regionMiddle East
                                                                           -2.807
## strata(enum)enum=3:regionMiddle East
                                                                            0.950
## strata(enum)enum=4:regionMiddle East
                                                                           -0.784
## strata(enum)enum=5:regionMiddle East
                                                                            0.617
## strata(enum)enum=6:regionMiddle East
                                                                            7.570
## strata(enum)enum=7:regionMiddle East
                                                                            3.295
## strata(enum)enum=8:regionMiddle East
                                                                            0.837
## strata(enum)enum=2:factor(geo scope, order = F)regional
                                                                            1.342
## strata(enum)enum=3:factor(geo_scope, order = F)regional
                                                                           -2.409
## strata(enum)enum=4:factor(geo_scope, order = F)regional
                                                                           -1.103
## strata(enum)enum=5:factor(geo_scope, order = F)regional
                                                                            0.308
## strata(enum)enum=6:factor(geo scope, order = F)regional
                                                                           11.446
## strata(enum)enum=7:factor(geo_scope, order = F)regional
                                                                           -5.844
## strata(enum)enum=8:factor(geo_scope, order = F)regional
                                                                            6.347
## strata(enum)enum=2:factor(geo_scope, order = F)national
                                                                           -0.679
## strata(enum)enum=3:factor(geo_scope, order = F)national
                                                                           -2.255
## strata(enum)enum=4:factor(geo_scope, order = F)national
                                                                           -0.792
## strata(enum)enum=5:factor(geo_scope, order = F)national
                                                                           -2.657
## strata(enum)enum=6:factor(geo_scope, order = F)national
                                                                           -3.772
## strata(enum)enum=7:factor(geo_scope, order = F)national
                                                                           -8.198
## strata(enum)enum=8:factor(geo_scope, order = F)national
                                                                            4.789
## strata(enum)enum=2:factor(geo_scope, order = F)international regional
                                                                            8.610
## strata(enum)enum=3:factor(geo_scope, order = F)international regional
                                                                            1.389
## strata(enum)enum=4:factor(geo_scope, order = F)international regional
                                                                            4.549
## strata(enum)enum=5:factor(geo_scope, order = F)international regional
                                                                               NA
```

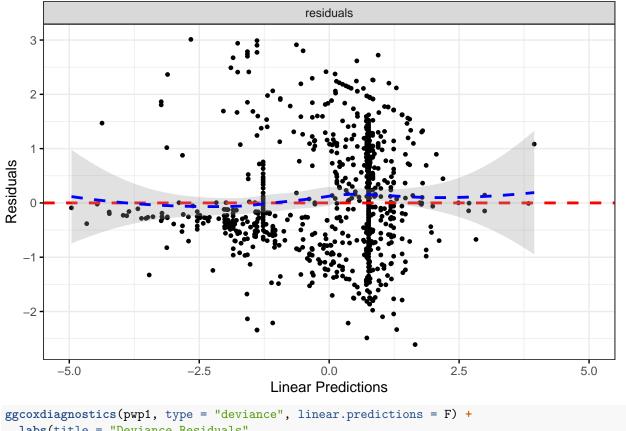
```
## strata(enum)enum=6:factor(geo_scope, order = F)international regional
                                                                               NA
## strata(enum)enum=7:factor(geo_scope, order = F)international regional
                                                                               NΑ
## strata(enum)enum=8:factor(geo_scope, order = F)international regional
                                                                               NA
## strata(enum)enum=2:factor(geo_scope, order = F)global
                                                                           -0.390
## strata(enum)enum=3:factor(geo_scope, order = F)global
                                                                            1.856
## strata(enum)enum=4:factor(geo_scope, order = F)global
                                                                               NA
## strata(enum)enum=5:factor(geo_scope, order = F)global
                                                                               NΑ
## strata(enum)enum=6:factor(geo_scope, order = F)global
                                                                               NA
## strata(enum)enum=7:factor(geo_scope, order = F)global
                                                                               NA
## strata(enum)enum=8:factor(geo_scope, order = F)global
                                                                           26.026
## strata(enum)enum=2:factor(camp_goals, order = F)Institutional Reform
                                                                           -2.075
## strata(enum)enum=3:factor(camp_goals, order = F)Institutional Reform
                                                                           -0.248
## strata(enum)enum=4:factor(camp_goals, order = F)Institutional Reform
                                                                            2.740
## strata(enum)enum=5:factor(camp_goals, order = F)Institutional Reform
                                                                            3.802
## strata(enum)enum=6:factor(camp_goals, order = F)Institutional Reform
                                                                           -1.074
## strata(enum)enum=7:factor(camp_goals, order = F)Institutional Reform
                                                                           -8.357
## strata(enum)enum=8:factor(camp_goals, order = F)Institutional Reform
                                                                           -1.179
## strata(enum)enum=2:factor(camp_goals, order = F)Policy Change
                                                                           -3.790
## strata(enum)enum=3:factor(camp_goals, order = F)Policy Change
                                                                           -4.816
## strata(enum)enum=4:factor(camp_goals, order = F)Policy Change
                                                                            0.844
## strata(enum)enum=5:factor(camp_goals, order = F)Policy Change
                                                                           -4.368
## strata(enum)enum=6:factor(camp_goals, order = F)Policy Change
                                                                          -18.580
## strata(enum)enum=7:factor(camp_goals, order = F)Policy Change
                                                                           -8.118
## strata(enum)enum=8:factor(camp_goals, order = F)Policy Change
                                                                           -2.453
## strata(enum)enum=2:factor(camp_goals, order = F)Territorial Secession
                                                                            0.475
## strata(enum)enum=3:factor(camp_goals, order = F)Territorial Secession
                                                                               NA
## strata(enum)enum=4:factor(camp_goals, order = F)Territorial Secession
                                                                               NA
## strata(enum)enum=5:factor(camp_goals, order = F)Territorial Secession
                                                                           -6.136
## strata(enum)enum=6:factor(camp_goals, order = F)Territorial Secession -14.818
## strata(enum)enum=7:factor(camp_goals, order = F)Territorial Secession
                                                                               NA
## strata(enum)enum=8:factor(camp_goals, order = F)Territorial Secession
                                                                               NA
## strata(enum)enum=2:factor(camp_goals, order = F)Autonomy
                                                                           -1.079
## strata(enum)enum=3:factor(camp_goals, order = F)Autonomy
                                                                           -2.759
                                                                            3.112
## strata(enum)enum=4:factor(camp_goals, order = F)Autonomy
## strata(enum)enum=5:factor(camp_goals, order = F)Autonomy
                                                                           -3.422
## strata(enum)enum=6:factor(camp_goals, order = F)Autonomy
                                                                          -12.462
## strata(enum)enum=7:factor(camp_goals, order = F)Autonomy
                                                                               NA
## strata(enum)enum=8:factor(camp_goals, order = F)Autonomy
                                                                            0.708
## strata(enum)enum=2:factor(camp_goals, order = F)Anti-occupation
                                                                            0.000
## strata(enum)enum=3:factor(camp_goals, order = F)Anti-occupation
                                                                               NΑ
## strata(enum)enum=4:factor(camp_goals, order = F)Anti-occupation
                                                                               ΝA
## strata(enum)enum=5:factor(camp_goals, order = F)Anti-occupation
                                                                               NA
## strata(enum)enum=6:factor(camp_goals, order = F)Anti-occupation
                                                                               NA
## strata(enum)enum=7:factor(camp_goals, order = F)Anti-occupation
                                                                               NA
## strata(enum)enum=8:factor(camp_goals, order = F)Anti-occupation
                                                                               NA
## strata(enum)enum=2:factor(camp_goals, order = F)Unknown
                                                                            1.063
## strata(enum)enum=3:factor(camp_goals, order = F)Unknown
                                                                            0.488
## strata(enum)enum=4:factor(camp_goals, order = F)Unknown
                                                                            1.472
## strata(enum)enum=5:factor(camp_goals, order = F)Unknown
                                                                           -8.936
## strata(enum)enum=6:factor(camp_goals, order = F)Unknown
                                                                               NA
                                                                            0.000
## strata(enum)enum=7:factor(camp_goals, order = F)Unknown
## strata(enum)enum=8:factor(camp_goals, order = F)Unknown
                                                                            3.683
##
## factor(tactical_choice, order = F)2
                                                                           < 2e-16
```

```
## factor(tactical_choice, order = F)3
                                                                          1.27e-08
## regionAmericas
                                                                          0.000854
## regionAsia
                                                                          0.624837
## regionEurope
                                                                          0.007188
## regionMiddle East
                                                                          0.844990
## factor(geo scope, order = F)regional
                                                                          0.577830
## factor(geo scope, order = F)national
                                                                          0.000139
## factor(geo_scope, order = F)international regional
                                                                          0.033618
## factor(geo_scope, order = F)global
                                                                          1.04e-09
## factor(camp_goals, order = F)Institutional Reform
                                                                          0.000104
## factor(camp_goals, order = F)Policy Change
                                                                          1.11e-07
## factor(camp_goals, order = F)Territorial Secession
                                                                          0.079284
## factor(camp_goals, order = F)Autonomy
                                                                          6.97e-05
## factor(camp_goals, order = F)Anti-occupation
                                                                          1.85e-05
## factor(camp_goals, order = F)Unknown
                                                                          0.649162
## strata(enum)enum=2:factor(tactical_choice, order = F)2
                                                                          0.443725
## strata(enum)enum=3:factor(tactical_choice, order = F)2
                                                                          0.259347
## strata(enum)enum=4:factor(tactical choice, order = F)2
                                                                           < 2e-16
## strata(enum)enum=5:factor(tactical_choice, order = F)2
                                                                          0.000443
## strata(enum)enum=6:factor(tactical choice, order = F)2
                                                                           < 2e-16
## strata(enum)enum=7:factor(tactical_choice, order = F)2
                                                                           < 2e-16
## strata(enum)enum=8:factor(tactical choice, order = F)2
                                                                          6.29e-15
## strata(enum)enum=2:factor(tactical_choice, order = F)3
                                                                          0.256359
## strata(enum)enum=3:factor(tactical_choice, order = F)3
                                                                          0.084115
## strata(enum)enum=4:factor(tactical choice, order = F)3
                                                                          0.000230
## strata(enum)enum=5:factor(tactical choice, order = F)3
                                                                          0.001479
## strata(enum)enum=6:factor(tactical_choice, order = F)3
                                                                                NA
## strata(enum)enum=7:factor(tactical_choice, order = F)3
                                                                          8.74e-05
## strata(enum)enum=8:factor(tactical_choice, order = F)3
                                                                          0.920288
## strata(enum)enum=2:regionAmericas
                                                                          0.921788
## strata(enum)enum=3:regionAmericas
                                                                          0.132912
## strata(enum)enum=4:regionAmericas
                                                                          0.423918
## strata(enum)enum=5:regionAmericas
                                                                          3.00e-16
## strata(enum)enum=6:regionAmericas
                                                                           < 2e-16
## strata(enum)enum=7:regionAmericas
                                                                           < 2e-16
## strata(enum)enum=8:regionAmericas
                                                                           < 2e-16
## strata(enum)enum=2:regionAsia
                                                                          0.808438
## strata(enum)enum=3:regionAsia
                                                                          0.735685
## strata(enum)enum=4:regionAsia
                                                                          0.288131
## strata(enum)enum=5:regionAsia
                                                                          2.37e-05
## strata(enum)enum=6:regionAsia
                                                                           < 2e-16
## strata(enum)enum=7:regionAsia
                                                                           < 2e-16
## strata(enum)enum=8:regionAsia
                                                                          0.883157
## strata(enum)enum=2:regionEurope
                                                                          0.000201
## strata(enum)enum=3:regionEurope
                                                                          0.563733
## strata(enum)enum=4:regionEurope
                                                                          0.215416
## strata(enum)enum=5:regionEurope
                                                                          4.81e-06
## strata(enum)enum=6:regionEurope
                                                                                NA
## strata(enum)enum=7:regionEurope
                                                                                NA
## strata(enum)enum=8:regionEurope
                                                                                NA
                                                                          0.005000
## strata(enum)enum=2:regionMiddle East
## strata(enum)enum=3:regionMiddle East
                                                                          0.342096
## strata(enum)enum=4:regionMiddle East
                                                                          0.432957
## strata(enum)enum=5:regionMiddle East
                                                                          0.537356
```

```
## strata(enum)enum=6:regionMiddle East
                                                                          3.74e-14
## strata(enum)enum=7:regionMiddle East
                                                                          0.000985
## strata(enum)enum=8:regionMiddle East
                                                                          0.402782
## strata(enum)enum=2:factor(geo_scope, order = F)regional
                                                                          0.179567
## strata(enum)enum=3:factor(geo_scope, order = F)regional
                                                                          0.015987
## strata(enum)enum=4:factor(geo_scope, order = F)regional
                                                                          0.269882
## strata(enum)enum=5:factor(geo_scope, order = F)regional
                                                                          0.758099
## strata(enum)enum=6:factor(geo_scope, order = F)regional
                                                                           < 2e-16
## strata(enum)enum=7:factor(geo_scope, order = F)regional
                                                                          5.10e-09
## strata(enum)enum=8:factor(geo_scope, order = F)regional
                                                                          2.19e-10
## strata(enum)enum=2:factor(geo_scope, order = F)national
                                                                          0.497121
## strata(enum)enum=3:factor(geo_scope, order = F)national
                                                                          0.024110
## strata(enum)enum=4:factor(geo_scope, order = F)national
                                                                          0.428123
## strata(enum)enum=5:factor(geo_scope, order = F)national
                                                                          0.007885
## strata(enum)enum=6:factor(geo_scope, order = F)national
                                                                          0.000162
## strata(enum)enum=7:factor(geo_scope, order = F)national
                                                                          2.45e-16
## strata(enum)enum=8:factor(geo_scope, order = F)national
                                                                          1.68e-06
## strata(enum)enum=2:factor(geo scope, order = F)international regional < 2e-16
## strata(enum)enum=3:factor(geo_scope, order = F)international regional 0.164814
## strata(enum)enum=4:factor(geo_scope, order = F)international regional 5.40e-06
## strata(enum)enum=5:factor(geo_scope, order = F)international regional
                                                                                NA
## strata(enum)enum=6:factor(geo_scope, order = F)international regional
                                                                                NΑ
## strata(enum)enum=7:factor(geo_scope, order = F)international regional
                                                                                NA
## strata(enum)enum=8:factor(geo_scope, order = F)international regional
## strata(enum)enum=2:factor(geo_scope, order = F)global
                                                                          0.696788
## strata(enum)enum=3:factor(geo_scope, order = F)global
                                                                          0.063446
## strata(enum)enum=4:factor(geo_scope, order = F)global
                                                                                NA
## strata(enum)enum=5:factor(geo_scope, order = F)global
                                                                                NA
## strata(enum)enum=6:factor(geo_scope, order = F)global
                                                                                NA
## strata(enum)enum=7:factor(geo_scope, order = F)global
                                                                                NA
## strata(enum)enum=8:factor(geo_scope, order = F)global
                                                                           < 2e-16
## strata(enum)enum=2:factor(camp_goals, order = F)Institutional Reform 0.037957
## strata(enum)enum=3:factor(camp_goals, order = F)Institutional Reform
## strata(enum)enum=4:factor(camp_goals, order = F)Institutional Reform
## strata(enum)enum=5:factor(camp_goals, order = F)Institutional Reform
## strata(enum)enum=6:factor(camp_goals, order = F)Institutional Reform
                                                                         0.282636
## strata(enum)enum=7:factor(camp_goals, order = F)Institutional Reform
## strata(enum)enum=8:factor(camp_goals, order = F)Institutional Reform
                                                                         0.238275
## strata(enum)enum=2:factor(camp_goals, order = F)Policy Change
                                                                          0.000151
## strata(enum)enum=3:factor(camp_goals, order = F)Policy Change
                                                                          1.46e-06
## strata(enum)enum=4:factor(camp_goals, order = F)Policy Change
                                                                          0.398713
## strata(enum)enum=5:factor(camp_goals, order = F)Policy Change
                                                                          1.25e-05
## strata(enum)enum=6:factor(camp_goals, order = F)Policy Change
                                                                           < 2e-16
## strata(enum)enum=7:factor(camp_goals, order = F)Policy Change
                                                                          4.72e-16
## strata(enum)enum=8:factor(camp_goals, order = F)Policy Change
                                                                          0.014161
## strata(enum)enum=2:factor(camp_goals, order = F)Territorial Secession 0.634629
## strata(enum)enum=3:factor(camp_goals, order = F)Territorial Secession
                                                                                NA
## strata(enum)enum=4:factor(camp_goals, order = F)Territorial Secession
                                                                                NA
## strata(enum)enum=5:factor(camp_goals, order = F)Territorial Secession 8.47e-10
## strata(enum)enum=6:factor(camp_goals, order = F)Territorial Secession
## strata(enum)enum=7:factor(camp_goals, order = F)Territorial Secession
                                                                                NΑ
## strata(enum)enum=8:factor(camp_goals, order = F)Territorial Secession
                                                                                NA
## strata(enum)enum=2:factor(camp_goals, order = F)Autonomy
                                                                          0.280394
## strata(enum)enum=3:factor(camp_goals, order = F)Autonomy
                                                                          0.005806
```

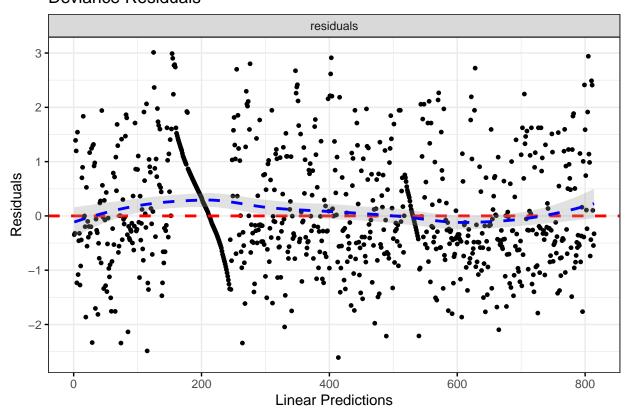
```
## strata(enum)enum=4:factor(camp_goals, order = F)Autonomy
                                                                         0.001858
## strata(enum)enum=5:factor(camp_goals, order = F)Autonomy
                                                                         0.000622
## strata(enum)enum=6:factor(camp_goals, order = F)Autonomy
                                                                          < 2e-16
## strata(enum)enum=7:factor(camp_goals, order = F)Autonomy
                                                                               NA
## strata(enum)enum=8:factor(camp_goals, order = F)Autonomy
                                                                         0.479067
## strata(enum)enum=2:factor(camp goals, order = F)Anti-occupation
                                                                         1.000000
## strata(enum)enum=3:factor(camp goals, order = F)Anti-occupation
                                                                               NΑ
## strata(enum)enum=4:factor(camp_goals, order = F)Anti-occupation
                                                                               NA
## strata(enum)enum=5:factor(camp_goals, order = F)Anti-occupation
                                                                               NA
## strata(enum)enum=6:factor(camp_goals, order = F)Anti-occupation
                                                                               NA
## strata(enum)enum=7:factor(camp_goals, order = F)Anti-occupation
                                                                               NA
## strata(enum)enum=8:factor(camp_goals, order = F)Anti-occupation
                                                                               NA
## strata(enum)enum=2:factor(camp_goals, order = F)Unknown
                                                                         0.287994
## strata(enum)enum=3:factor(camp_goals, order = F)Unknown
                                                                         0.625862
## strata(enum)enum=4:factor(camp_goals, order = F)Unknown
                                                                         0.140894
## strata(enum)enum=5:factor(camp_goals, order = F)Unknown
                                                                          < 2e-16
## strata(enum)enum=6:factor(camp_goals, order = F)Unknown
                                                                               NA
## strata(enum)enum=7:factor(camp goals, order = F)Unknown
                                                                         1.000000
## strata(enum)enum=8:factor(camp_goals, order = F)Unknown
                                                                         0.000230
## Likelihood ratio test=439.8 on 128 df, p=< 2.2e-16
## n= 814, number of events= 492
##
      (21 observations deleted due to missingness)
ggcoxdiagnostics(pwp1, type = "deviance", linear.predictions = T) +
  labs(title = "Deviance Residuals",
         x = "Linear Predictions",
         y = "Residuals") +
 xlim(c(-5,5))
## `geom_smooth()` using formula 'y ~ x'
## Warning: Removed 10 rows containing non-finite values (stat_smooth).
## Warning: Removed 10 rows containing missing values (geom_point).
```

Deviance Residuals



$geom_smooth()$ using formula 'y ~ x'

Deviance Residuals

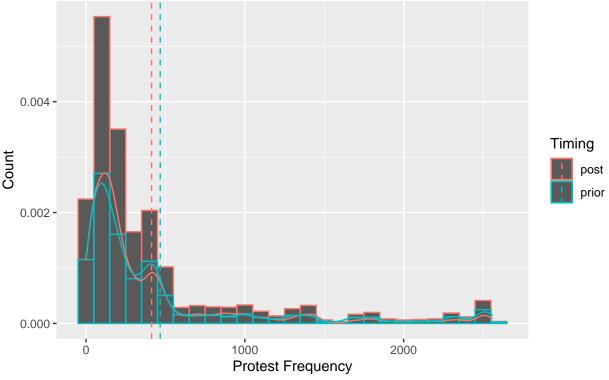


Chilling Effect

```
df_chill <- df_clean %>%
  filter(target_3 %in% c("COP", "GOV", "JUD", "MIL", "LLY", "SPY", "LEG", "TOP")) %>%
  dplyr::mutate(repress = as.double(st_posture) %in% 5:7) %>%
  group_by(repress) %>%
  dplyr::mutate(repress_id = as.double(row_number())) %>%
  dplyr::mutate(repress_id = if_else(repress, repress_id, 0)) %>%
  ungroup()
df_chill_condense <- df_chill[, c("country_name", "date")]</pre>
# functions to tell if events fell within a year of a repressive response
prior_detector <- function(repress_id, date, country){</pre>
  temp <- df_chill_condense %>%
    filter(country_name == country)
  dates <- temp$date</pre>
  fun <- sum(date - 365 < dates & date > dates)
  num <- ifelse(repress_id > 0, fun, 0)
  return(num)
}
# near_detector <- function(repress_id, date, country){</pre>
  temp <- df_chill_condense %>%
      filter(country_name == country)
  dates <- temp$date
```

```
fun1 <- sum(date - 365 < dates & date > dates)
  fun2 <- sum(date < dates & date + 365 > dates)
#
# num1 <- ifelse(repress_id > 0, fun1, 0)
# num2 <- ifelse(repress_id > 0, fun2, 0)
#
    return(list(num1, num2))
# }
post_detector <- function(repress_id, date, country){</pre>
  temp <- df_chill_condense %>%
    filter(country_name == country)
  dates <- temp$date</pre>
  fun <- sum(date < dates & date + 365 > dates)
  num <- ifelse(repress id > 0, fun, 0)
  return(num)
prior_detector <- Vectorize(prior_detector)</pre>
post_detector <- Vectorize(post_detector)</pre>
# vectorize? Takes a couple minutes to run
df_chill_final <- df_chill %>%
  dplyr::mutate(prior = prior_detector(repress_id, date, country_name)) %>%
  dplyr::mutate(post = post_detector(repress_id, date, country_name))
df_chill_fn <- df_chill_final %>%
  filter(repress_id > 0)
# chilling effect eda
df_chill_eda <- df_chill_fn %>%
  pivot longer(cols = c("prior", "post"),
             names_to = "Timing",
             values_to = "freq_protests")
mu <- ddply(df_chill_eda, "Timing", summarise, grp.mean = mean(freq_protests))</pre>
mu
##
     Timing grp.mean
## 1
     post 412.6197
## 2 prior 467.1515
ggplot(df_chill_eda, aes(x = freq_protests, color = Timing)) +
  geom_histogram(aes(y = ..density..), binwidth = 100) +
  geom_density(alpha = 0.2) +
  geom_vline(data = mu, aes(xintercept = grp.mean, color = Timing),
             linetype = "dashed") +
  labs(title = "Higher Incidence of Low Protest Frequencies Following Severe Responses",
       subtitle = "However, Densities Look Similar and Difference Between Means is Moderate",
       x = "Protest Frequency",
       y = "Count")
```

Higher Incidence of Low Protest Frequencies Following Severe Response However, Densities Look Similar and Difference Between Means is Moderate



```
# create continent variable
df_chill_glm <- df_chill_eda %>%
  dplyr::mutate(region = case_when(country_name %in% c("algeria", "egypt",
                                                     "kenya", "libya",
                                                     "madagascar", "morocco",
                                                  "sierra_leone", "south_sudan",
                                                  "sudan", "tanzania", "tunisia") ~ "Africa",
                                country_name %in% c("iraq", "jordan", "syria",
                                "turkey", "yemen") ~ "Middle East", country_name %in% c("bahrain", "china",
                                                     "india", "pakistan",
                                                     "south_korea", "uzbekistan") ~ "Asia",
                                country_name %in% c("estonia", "ukraine") ~ "Europe",
                                TRUE ~ "Americas")) # Mexico, U.S.
# Poisson Model
m_chill_poiss <- glm(freq_protests ~ Timing + region + geo_scope +</pre>
                        actor_id + camp_goals + tactical_choice + st_posture + year,
                      data = df_chill_glm, family = poisson)
summary(m_chill_poiss)
##
## Call:
## glm(formula = freq_protests ~ Timing + region + geo_scope + actor_id +
       camp_goals + tactical_choice + st_posture + year, family = poisson,
##
##
       data = df_chill_glm)
##
```

```
## Deviance Residuals:
                1Q Median
##
                                         Max
      Min
                                 30
## -50.212 -10.137
                   -1.440
                               6.562
                                       56.440
##
## Coefficients:
##
                                   Estimate Std. Error z value Pr(>|z|)
## (Intercept)
                                 -1.870e+02 2.600e-01 -719.22 <2e-16 ***
                                  1.255e-01 9.395e-04 133.53
## Timingprior
                                                                 <2e-16 ***
                                 -1.159e-01 3.550e-03 -32.63
## regionAmericas
                                                                 <2e-16 ***
## regionAsia
                                  2.401e-01 1.893e-03 126.87
                                                                 <2e-16 ***
## regionEurope
                                 -6.233e-01 9.710e-03 -64.19
                                                                 <2e-16 ***
                                  7.512e-01 1.525e-03 492.47
## regionMiddle East
                                                                 <2e-16 ***
## geo_scope.L
                                 2.829e-01 5.403e-03
                                                        52.35
                                                                 <2e-16 ***
## geo_scope.Q
                                 1.113e-01 4.541e-03
                                                        24.51
                                                                 <2e-16 ***
## geo_scope.C
                                -8.086e-02 4.321e-03 -18.71
                                                                 <2e-16 ***
## geo_scope^4
                                -5.103e-02 3.047e-03
                                                       -16.75
                                                                 <2e-16 ***
                                -1.481e-01 1.022e-02 -14.50
## actor_idnon-state
                                                                 <2e-16 ***
## actor idinternational
                                -6.603e-01 1.655e-02 -39.89
                                                                 <2e-16 ***
## actor_idnonaligned
                                 -1.037e+00 8.049e-02 -12.89
                                                                 <2e-16 ***
## camp_goalsInstitutional Reform -6.598e-01 2.158e-03 -305.81
                                                                 <2e-16 ***
## camp_goalsPolicy Change
                                 -7.382e-01 1.868e-03 -395.13
                                                                 <2e-16 ***
## camp_goalsTerritorial Secession -5.405e-01 2.226e-03 -242.84
                                                                 <2e-16 ***
                                 -1.232e+00 2.468e-03 -499.33
## camp_goalsAutonomy
                                                                 <2e-16 ***
## camp_goalsAnti-occupation
                                 -8.811e-01 2.037e-02 -43.26
                                                                 <2e-16 ***
## camp_goalsUnknown
                                 -6.634e-01 1.700e-03 -390.37
                                                                 <2e-16 ***
## tactical choice.L
                                 -1.071e-01 9.092e-04 -117.75
                                                                 <2e-16 ***
## tactical_choice.Q
                                  2.110e-02 1.831e-03
                                                        11.52
                                                                 <2e-16 ***
## st_posture.L
                                  1.965e-01 1.589e-03 123.66
                                                                 <2e-16 ***
                                  9.451e-02 1.212e-03
                                                        77.99
                                                                 <2e-16 ***
## st_posture.Q
## year
                                  9.619e-02 1.294e-04 743.54
                                                                 <2e-16 ***
## ---
## Signif. codes: 0 '***' 0.001 '**' 0.05 '.' 0.1 ' ' 1
## (Dispersion parameter for poisson family taken to be 1)
##
##
      Null deviance: 5711207 on 10313 degrees of freedom
## Residual deviance: 2028572 on 10290 degrees of freedom
     (62 observations deleted due to missingness)
## AIC: 2102719
##
## Number of Fisher Scoring iterations: 5
# significant evidence of overdispersion
dispersiontest(m_chill_poiss)
##
##
  Overdispersion test
##
## data: m_chill_poiss
## z = 53.609, p-value < 2.2e-16
## alternative hypothesis: true dispersion is greater than 1
## sample estimates:
## dispersion
    199.5395
```

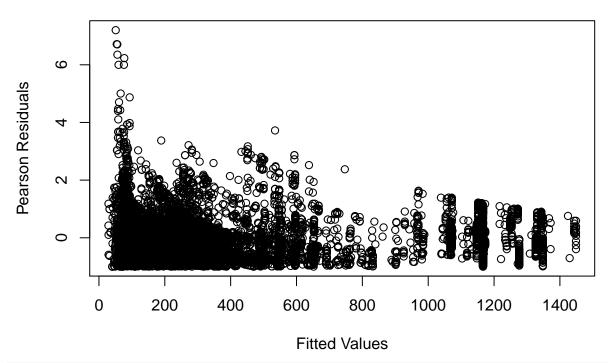
```
# Negative Binomial Model
m_chill_nb <- glm.nb(freq_protests ~ Timing + region + geo_scope +</pre>
                      actor_id + camp_goals + tactical_choice + st_posture + year,
    data = df chill glm)
df_chill_glm
## # A tibble: 10,376 x 38
##
      country_name date
                             geo_scope localities actor_id cameo_actor_3
##
      <chr>
                  <date>
                             <ord>
                                       <chr>
                                                  <fct>
## 1 algeria
                  1991-05-29 regional Algiers
                                                  non-sta~ OPP
                  1991-05-29 regional Algiers
                                                  non-sta~ OPP
## 2 algeria
## 3 algeria
                  1991-06-04 regional Algiers
                                                  non-sta~ ACT
## 4 algeria
                  1991-06-04 regional Algiers
                                                  non-sta~ ACT
                  1991-06-04 regional Suk-Ahras non-sta~ REB
## 5 algeria
                1991-06-04 regional Suk-Ahras non-sta~ REB
## 6 algeria
## 7 algeria
                 1991-06-24 regional Bordj el ~ non-sta~ REB
## 8 algeria
                  1991-06-24 regional Bordj el ~ non-sta~ REB
## 9 algeria
                  1991-06-26 local
                                       May 1st S~ non-sta~ REB
## 10 algeria
                  1991-06-26 local
                                       May 1st S~ non-sta~ REB
## # ... with 10,366 more rows, and 32 more variables: cameo_actor_6 <chr>,
      cameo_actor_9 <chr>, event_actor_list <chr>, verb_10 <ord>, verb_100 <dbl>,
      verb_1000 <dbl>, target_3 <chr>, target_6 <chr>, target_9 <chr>,
## #
## #
      camp_goals <fct>, tactical_choice <ord>, nv_categ <fct>, nc_type <fct>,
      nv_commission <fct>, nv_concentration <fct>, nv_tactic_ns <chr>,
      v_tactic_ns <chr>, st_posture <ord>, damage <ord>, econ_impact <ord>,
## #
## #
      econ_impact_aux <chr>, year <dbl>, month <dbl>, day <dbl>,
      fatal_casu <dbl>, injuries <dbl>, num_partic_event <dbl>, repress <lgl>,
## #
      repress_id <dbl>, Timing <chr>, freq_protests <dbl>, region <chr>
summary(m chill nb)
##
## Call:
## glm.nb(formula = freq_protests ~ Timing + region + geo_scope +
      actor_id + camp_goals + tactical_choice + st_posture + year,
##
      data = df_chill_glm, init.theta = 1.585501507, link = log)
##
## Deviance Residuals:
                1Q
                    Median
      Min
                                  3Q
                                          Max
## -4.5755 -0.9067 -0.1776 0.4101
                                       3.9819
##
## Coefficients:
##
                                    Estimate Std. Error z value Pr(>|z|)
                                  -1.640e+02 2.696e+00 -60.837 < 2e-16 ***
## (Intercept)
## Timingprior
                                  -3.620e-03 1.570e-02 -0.231 0.81758
## regionAmericas
                                  -9.872e-02 4.027e-02 -2.451 0.01424 *
## regionAsia
                                   2.435e-01 2.315e-02 10.519 < 2e-16 ***
## regionEurope
                                  -6.373e-01 8.045e-02 -7.921 2.36e-15 ***
                                  5.817e-01 2.077e-02 28.012 < 2e-16 ***
## regionMiddle East
## geo_scope.L
                                  2.144e-01 7.232e-02
                                                         2.964 0.00304 **
## geo_scope.Q
                                   7.751e-02 6.171e-02
                                                         1.256 0.20909
## geo_scope.C
                                  -7.428e-02 5.822e-02 -1.276 0.20201
## geo_scope<sup>4</sup>
                                  4.251e-02 4.336e-02
                                                         0.980 0.32700
## actor_idnon-state
                                  -4.095e-02 1.380e-01 -0.297 0.76663
```

```
## actor_idnonaligned
                                 -1.035e+00 5.846e-01 -1.770 0.07666 .
## camp_goalsInstitutional Reform -7.642e-01 2.977e-02 -25.665 < 2e-16 ***
## camp_goalsPolicy Change
                                -7.669e-01 2.638e-02 -29.072 < 2e-16 ***
## camp_goalsTerritorial Secession -4.737e-01 3.220e-02 -14.713 < 2e-16 ***
## camp_goalsAutonomy
                     -1.063e+00 3.215e-02 -33.070 < 2e-16 ***
## camp_goalsAnti-occupation
                                -8.326e-01 2.564e-01 -3.247 0.00116 **
                                 -6.719e-01 2.540e-02 -26.449 < 2e-16 ***
## camp_goalsUnknown
## tactical_choice.L
                                 -5.087e-02 1.633e-02 -3.115 0.00184 **
## tactical_choice.Q
                                 -1.848e-02 2.375e-02 -0.778 0.43664
## st_posture.L
                                  1.519e-01 2.171e-02
                                                       6.997 2.61e-12 ***
                                  5.189e-02 1.598e-02
                                                        3.247 0.00117 **
## st_posture.Q
                                  8.479e-02 1.342e-03 63.158 < 2e-16 ***
## year
## ---
## Signif. codes: 0 '***' 0.001 '**' 0.05 '.' 0.1 ' ' 1
## (Dispersion parameter for Negative Binomial(1.5855) family taken to be 1)
##
      Null deviance: 23991 on 10313 degrees of freedom
## Residual deviance: 11427 on 10290 degrees of freedom
    (62 observations deleted due to missingness)
## AIC: 137254
##
## Number of Fisher Scoring iterations: 1
##
##
##
                Theta: 1.5855
##
            Std. Err.: 0.0206
##
   2 x log-likelihood: -137203.5170
plot(m_chill_nb$fitted.values,m_chill_nb$residuals, xlab = "Fitted Values", ylab = "Pearson Residuals",
```

-4.678e-01 1.794e-01 -2.607 0.00913 **

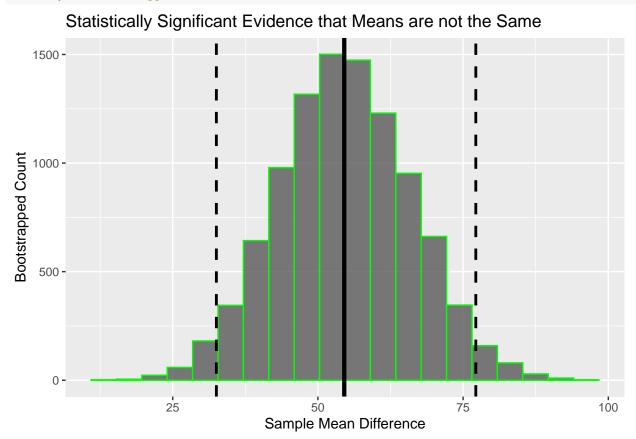
actor_idinternational

Residual Plot Shows No Pattern in Residuals



```
# t test for difference between two populations, may be biased
t.test(x = df_chill_fn$prior, y = df_chill_fn$post)
##
##
   Welch Two Sample t-test
##
## data: df_chill_fn$prior and df_chill_fn$post
## t = 4.7806, df = 10217, p-value = 1.772e-06
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
## 32.17188 76.89173
## sample estimates:
## mean of x mean of y
## 467.1515 412.6197
# bootstrap the mean difference of the two samples
bootstrapped <- two.boot(df_chill_fn$prior, df_chill_fn$post, mean, 10000)
bootstrapped_mean_diff <- data.frame(bootstrapped$t)</pre>
colnames(bootstrapped_mean_diff) <- "mean_diffs"</pre>
ggplot(bootstrapped_mean_diff, aes(x = mean_diffs)) +
  geom_histogram(color = "green", bins = 20, alpha = 0.8) +
  geom_vline(xintercept = bootstrapped$t0, size = 1.5) +
  geom_vline(xintercept = quantile(bootstrapped_mean_diff$mean_diffs, 0.025), size = 1,
             linetype = "dashed") +
  geom_vline(xintercept = quantile(bootstrapped_mean_diff$mean_diffs, 0.975), size = 1,
             linetype = "dashed") +
  labs(title = "Statistically Significant Evidence that Means are not the Same",
       x = "Sample Mean Difference",
```

y = "Bootstrapped Count")



References

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- [4] McAdam D. "Tactical Innovation and the Pace of Insurgency." American Sociological Association. American Sociological Review. 48 (6): 735-754.

[5]

[6] Danieli C, Sheppard T, Costello R, Dixon W, Abrahamowicz M. "Modeling of cumulative effects of time-varying drug exposures on within-subject changes in a continuous outcome." SSMR. 29(9): 2554-2568.