

Thesis

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0.1 Quarto

Quarto enables you to weave together content and executable code into a finished document. To learn more about Quarto see <https://quarto.org>.

```
library(tidyverse)
```

```
-- Attaching core tidyverse packages ----- tidyverse 2.0.0 --
v dplyr     1.1.4     v readr     2.1.5
vforcats    1.0.0     v stringr   1.5.1
v ggplot2   3.5.1     v tibble    3.2.1
v lubridate 1.9.3     v tidyr    1.3.1
v purrr    1.0.2
-- Conflicts -----
x dplyr::filter() masks stats::filter()
x dplyr::lag()    masks stats::lag()
i Use the conflicted package (<http://conflicted.r-lib.org/>) to force all conflicts to become non-conflicting
```

```
library(janitor)
```

Attaching package: 'janitor'

The following objects are masked from 'package:stats':

chisq.test, fisher.test

```
library(tinytex)
```

```
gen_con <- read_csv("gen_con_status.csv")
```

```
Rows: 154 Columns: 13
-- Column specification -----
Delimiter: ","
chr (11): Participant, Signature_Date, Ratification_Type, Ratification_Year, ...
dbl (2): Signatory_Status, Ratification_Status

i Use `spec()` to retrieve the full column specification for this data.
i Specify the column types or set `show_col_types = FALSE` to quiet this message.
```

```
tmk <- read_csv("edited_tmk_annual_release_1.2.csv")
```

```
Rows: 476 Columns: 8
-- Column specification -----
Delimiter: ","
chr (1): primary.location
dbl (7): year, pl.ccode, tmk.onset, genpol.onset, genpol.ongoing.sum, tmk.on...

i Use `spec()` to retrieve the full column specification for this data.
i Specify the column types or set `show_col_types = FALSE` to quiet this message.
```

```
gen_joined <- gen_con |>
  left_join(tmk, by = join_by(Participant == primary.location))
```

```
gen_joined <- gen_joined |>
  clean_names()
gen_joined <- gen_joined |>
  mutate(
    state_system_membership_year = as.integer(
      state_system_membership_year),
    signatory_status = as.factor(signatory_status),
    signature_date = as.integer(signature_date),
    ratification_status = as.factor(ratification_status
      ))
```

```

Warning: There were 2 warnings in `mutate()` .
The first warning was:
i In argument: `state_system_membership_year =
  as.integer(state_system_membership_year)` .
Caused by warning:
! NAs introduced by coercion
i Run `dplyr::last_dplyr_warnings()` to see the 1 remaining warning.

```

```

gen_joined |>
  mutate(in_effect_ix_reservation = as.factor(in_effect_ix_reservation),
         historical_reservation_made_to_article_ix_no_longer_in_effect = as.factor(historical_reservation_made_to_article_ix_no_longer_in_effect),
         )

```

```

# A tibble: 521 x 20
  participant signatory_status signature_date ratification_status
  <chr>        <fct>           <int>          <fct>
  1 Afghanistan 0                  NA 1
  2 Afghanistan 0                  NA 1
  3 Afghanistan 0                  NA 1
  4 Afghanistan 0                  NA 1
  5 Afghanistan 0                  NA 1
  6 Afghanistan 0                  NA 1
  7 Afghanistan 0                  NA 1
  8 Afghanistan 0                  NA 1
  9 Afghanistan 0                  NA 1
 10 Afghanistan 0                 NA 1
# i 511 more rows
# i 16 more variables: ratification_type <chr>, ratification_year <chr>,
#   in_effect_ix_reservation <fct>,
#   historical_reservation_made_to_article_ix_no_longer_in_effect <fct>,
#   reservation_withdrawn_year <chr>,
#   reservation_made_at_same_time_as_ratification_and_or_confirmed_upon_succession <chr>,
#   successor_state_entry <chr>, state_system_membership_year <int>, ...

```

```

gen_joined <- gen_joined |>
  mutate(ever_reserved = case_when(
    in_effect_ix_reservation == 1 | historical_reservation_made_to_article_ix_no_longer_in_effect == 1 ~ 1,
    in_effect_ix_reservation == 0 & historical_reservation_made_to_article_ix_no_longer_in_effect == 0 ~ 0
  ))

```

```
gen_joined |>
  filter(in_effect_ix_reservation == 1 | historical_reservation_made_to_article_ix_no_longer_in_effect == 1)

# A tibble: 104 x 21
  participant signatory_status signature_date ratification_status
  <chr>        <fct>           <int> <fct>
  1 Albania      0                NA   1
  2 Algeria      0                NA   1
  3 Argentina    0                NA   1
  4 Argentina    0                NA   1
  5 Argentina    0                NA   1
  6 Argentina    0                NA   1
  7 Argentina    0                NA   1
  8 Argentina    0                NA   1
  9 Argentina    0                NA   1
 10 Argentina    0               NA   1
# i 94 more rows
# i 17 more variables: ratification_type <chr>, ratification_year <chr>,
#   in_effect_ix_reservation <chr>,
#   historical_reservation_made_to_article_ix_no_longer_in_effect <chr>,
#   reservation_withdrawn_year <chr>,
#   reservation_made_at_same_time_as_ratification_and_or_confirmed_upon_succession <chr>,
#   successor_state_entry <chr>, state_system_membership_year <int>, ...

write_csv(gen_joined, file = "gen-joined.csv")
```