

Thesis

Table of contents

0.1 Quarto	1
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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
v forcats    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 ----- tidyverse_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
```

```
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 ~ TRUE,
    in_effect_ix_reservation == 0 & historical_reservation_made_to_article_ix_no_longer_in_effect == 0 ~ FALSE
  ))
```

```

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

# 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")

```