CU18 MODEL DEVELOPMENT 02 GLM

June 12, 2023

#

CU18_Comportamienta Infra. Eventos extremos

1 IV. Model development

En este anexo se incluye el código utilizado durante el desarrollo de los modelos incluidos en el caso de uso.

1.1 Modelo GLM

filter, lag

1.1.1 Paquetes

```
[1]: library(readr)
library(dplyr)

Attaching package: 'dplyr'
```

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

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

intersect, setdiff, setequal, union

1.1.2 Datos

```
prec,...
date (1): fecha

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.
```

1.1.3 Ajuste modelo

```
[3]: mod_infra <- df |> select(-c(id_inf, fecha, evento_zona)) |>
    glm(evento_infra ~ ., data = _, family = binomial)

mod_zona <- df |> select(-c(id_inf, fecha, evento_infra)) |>
    glm(evento_zona ~ ., data = _, family = binomial)

write_rds(mod_infra, "mod_glm_infra.rds")
write_rds(mod_zona, "mod_glm_zona.rds")
```