

1.2_estimation_methods.R

pkress

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### Author: Peter Kress
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### Purpose: Functions to Estimate Intervention Effect

# Initialize Workspace ----

## Paths ----
setwd("/Users/pkress/Documents/Personal Projects/ACIC/")

## Packages ----

if(!require("pacman")) install.packages("pacman")

## Loading required package: pacman

library(pacman)
p_load(data.table, magrittr, stringr, ggplot2
       , fixest, MatchIt, BART, tmle, SuperLearner)

## Handy Functions ----
`%p%` = paste0

month_diff = function(d1, d2){
  12*(year(d2) - year(d1)) + (month(d2) - month(d1))
}

make_title = function(x){ str_to_title(gsub("_", " ", x))}

# Read in Practice level data ----

read_files = function(folder, nos){
  lapply(list.files(folder, full.names = T, pattern = paste(nos%p%".csv",collapse = "|")), fread) %>%
    rbindlist(idcol = "samp")
}

# data = "data/track1b/"%p%c("patient", "patient_year", "practice", "practice_year") %>%
#   setNames(.,c("patient", "patient_year", "practice", "practice_year")) %>%
#   lapply(.,read_files, nos = 1201)
#
# merged_data = data$patient[
#   data$patient_year
```

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#   , on = c("id.patient", "samp")
# ][
#   data$practice
#   , on = c("id.practice", "samp")
# ][
#   data$practice_year[, .(id.practice, year, Z, post, samp)]
#   , on = c("id.practice", "year", "samp")
# ]

#####)
# BART + TMLE ----
#####)

```