Analyse dienstenprijzen

Arie Twigt

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# Inleiding

Dit is een analyse van de dienstenprijzen.

# Analyse

## Libraries importeren

library(readr)  
library(dplyr)  
library(zoo)

## Importeren bronbestand

Load the csv-file.

diensten <- read\_delim("data/diensten.csv",   
 delim = ";", escape\_double = FALSE, trim\_ws = TRUE)

## Data preparation

* Deal with the different levels. We have quarterly and yearly.
  + Remove the yearly rows
* Some rows contain NA values. These can be removed.
* The columns containing the prices are characters.
  + Convert to to numeric data types.

numeric\_cols <- c("Prijsindex\_1", "Kwartaalmutaties\_2", "Jaarmutaties\_3")  
  
diensten\_clean <- diensten %>%  
 mutate(ID = as.integer(ID)) %>%  
 mutate\_at(numeric\_cols, funs(as.numeric)) %>%  
 filter(!is.na(Kwartaalmutaties\_2)) %>%  
 mutate(Perioden = as.Date(as.yearqtr(Perioden, format = "%YKW0%q"))) %>%  
 mutate(jaar = format(Perioden, "%Y")) %>%  
 mutate(kwartaal = quarters(Perioden))