

# **Tugas Mata Kuliah Manajemen dan Analisis Data Dengan R**

**(Membuat Diagram Data Profile)**



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# 1. Langkah-langkah

## Script:

#Mengaktifkan package

- library(readr)
- library(dplyr)
- library(janitor)

#1. Reading data pef

- pef = read\_csv("https://raw.githubusercontent.com/dwi-agustian/biostat/main/pef.csv")

#1a. deduplikasi

- pef = pef[!duplicated(pef\$pidlink),]

#2. Reading data w5

- w5 = read\_csv("https://raw.githubusercontent.com/dwi-agustian/biostat/main/w5.csv")
- length(unique(w5\$pidlink))
- get\_dupes(w5,pidlink)

#2a. deduplikasi

- w5 <- w5[!duplicated(w5\$pidlink),]

#3. Konversi pidlink di w5 dari character jadi angka(numeric)

- w5\$pidlink = as.numeric(w5\$pidlink)
- summary(w5\$pidlink)

#4. Observasi pidlink tidak valid

- str(w5\$pidlink)

#5. Memilih berdasarkan kriteria pidlink missing

- w5 = filter(w5,!is.na(pidlink))

#6. Combining dataset w5 (58.297) vs pef (58.297)

- w5\_pef\_lj = left\_join(w5, pef, by = "pidlink")
- w5\_pef\_rj = right\_join(w5, pef, by = "pidlink")
- w5\_pef\_ij = inner\_join(w5, pef, by = "pidlink")
- w5\_pef\_fj = full\_join(w5, pef, by = "pidlink")
- names(w5\_pef\_lj)

#### #7. Mengaktifkan packages

- `library(readr)`
- `library(dplyr)`

#### #2. Reading data (58.297 observasi)

- `pefisni <- dplyr::select(w5_pef_lj, sex, age, height, pef)`

#### #3. Melihat missing data (N/A) (22.138 observasi N/A)

- `summary(pefisni$age)`
- `summary(pefisni$height)`
- `summary(pefisni$sex)`
- `summary(pefisni$pef)`

#### #4. Memilih yang tidak missing dari variabel height dan pef

- `pef_NA_Height = filter(pefisni,!is.na(height))`
- `pef_NA_pef = filter(pef_NA_Height,!is.na(pef))`

## 2. Diagram Data Profil

