

CL_Symptoms_Of_Respiratory_Infection_10

Group K

2025-09-19

Display Dataset content

#check for unique values

```
## # A tibble: 29 x 3
##   column      n_unique sample_values
##   <chr>      <int> <chr>
## 1 ISO3        1 ZAF
## 2 DataId      26 598577, 397915, 598578
## 3 Indicator    7 Children with symptoms of ARI, Number of children b~
## 4 Value       26 21.9, 19.3, 2912
## 5 Precision    2 1, 0
## 6 DHS_CountryCode 1 ZA
## 7 CountryName   1 South Africa
## 8 SurveyYear    2 1998, 2016
## 9 SurveyId      2 ZA1998DHS, ZA2016DHS
## 10 IndicatorId  7 CH_ARIS_C_ARI, CH_ARIS_C_NUM, CH_ARIS_C_UNW
## # i 19 more rows
```

Drop the countries only one unique value: reason, there is no useful information
- county is also always za

Assumed pattern, the missing values can be filled with the non missing value in
the opposite attribute

```
ari_df <- ari_df %>%
  mutate(
    # 4740 <-> 4797
    DenominatorUnweighted = if_else(
      is.na(DenominatorUnweighted) & DenominatorWeighted == 4740,
      4797,
      DenominatorUnweighted
    ),
    DenominatorWeighted = if_else(
      is.na(DenominatorWeighted) & DenominatorUnweighted == 4797,
      4740,
      DenominatorWeighted
    ),
  )
```

```

# 2912 <-> 2958
DenominatorUnweighted = if_else(
  is.na(DenominatorUnweighted) & DenominatorWeighted == 2912,
  2958,
  DenominatorUnweighted
),
DenominatorWeighted = if_else(
  is.na(DenominatorWeighted) & DenominatorUnweighted == 2958,
  2912,
  DenominatorWeighted
),

# 2025 <-> 2026
DenominatorUnweighted = if_else(
  is.na(DenominatorUnweighted) & DenominatorWeighted == 2025,
  2026,
  DenominatorUnweighted
),
DenominatorWeighted = if_else(
  is.na(DenominatorWeighted) & DenominatorUnweighted == 2026,
  2025,
  DenominatorWeighted
),

# 3444 <-> 3413
DenominatorUnweighted = if_else(
  is.na(DenominatorUnweighted) & DenominatorWeighted == 3444,
  3413,
  DenominatorUnweighted
),
DenominatorWeighted = if_else(
  is.na(DenominatorWeighted) & DenominatorUnweighted == 3413,
  3444,
  DenominatorWeighted
),

# 68 <-> 59
DenominatorUnweighted = if_else(
  is.na(DenominatorUnweighted) & DenominatorWeighted == 68,
  59,
  DenominatorUnweighted
),
DenominatorWeighted = if_else(
  is.na(DenominatorWeighted) & DenominatorUnweighted == 59,
  68,
  DenominatorWeighted
),

# 107 <-> 94
DenominatorUnweighted = if_else(
  is.na(DenominatorUnweighted) & DenominatorWeighted == 107,
  94,
  DenominatorUnweighted
)

```

```

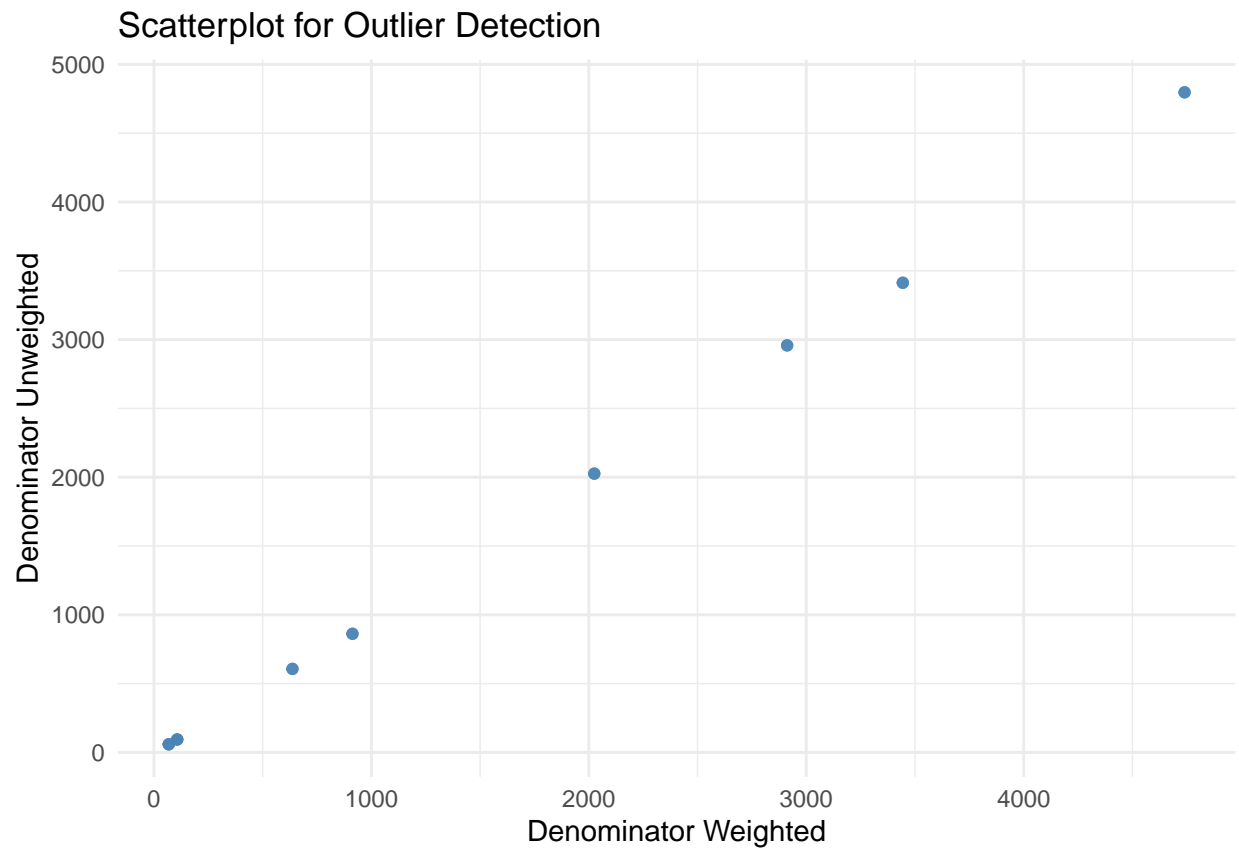
),
DenominatorWeighted = if_else(
  is.na(DenominatorWeighted) & DenominatorUnweighted == 94,
  107,
  DenominatorWeighted
),

# 637 <-> 607
DenominatorUnweighted = if_else(
  is.na(DenominatorUnweighted) & DenominatorWeighted == 637,
  607,
  DenominatorUnweighted
),
DenominatorWeighted = if_else(
  is.na(DenominatorWeighted) & DenominatorUnweighted == 607,
  637,
  DenominatorWeighted
),

# 913 <-> 862
DenominatorUnweighted = if_else(
  is.na(DenominatorUnweighted) & DenominatorWeighted == 913,
  862,
  DenominatorUnweighted
),
DenominatorWeighted = if_else(
  is.na(DenominatorWeighted) & DenominatorUnweighted == 862,
  913,
  DenominatorWeighted
)
)

ari_df[
  c("DenominatorWeighted", "DenominatorUnweighted")]

```



Boxplot of Denominator Weighted

