CL_Water_11

Group K

2025-09-19

Display Dataset content

```
## # A tibble: 3 x 29
           DataId Indicator Value Precision DHS_CountryCode CountryName SurveyYear
     ISO3
##
     <chr> <chr> <chr>
                             <chr> <chr>
                                             <chr>
                                                             <chr>>
                                                                         <chr>>
## 1 #coun~ #meta~ #indicat~ #ind~ #indicat~ <NA>
                                                             #country+n~ #date+year
## 2 ZAF
           795195 Househol~ 86.3 1
                                             ZA
                                                             South Afri~ 1998
## 3 ZAF
           795196 Househol~ 38.9 1
                                             ZA
                                                             South Afri~ 1998
## # i 21 more variables: SurveyId <chr>, IndicatorId <chr>, IndicatorOrder <dbl>,
      IndicatorType <chr>, CharacteristicId <dbl>, CharacteristicOrder <dbl>,
## #
       CharacteristicCategory <chr>, CharacteristicLabel <chr>,
      ByVariableId <chr>, ByVariableLabel <chr>, IsTotal <dbl>,
## #
      IsPreferred <dbl>, SDRID <chr>, RegionId <lgl>, SurveyYearLabel <dbl>,
## #
      SurveyType <chr>, DenominatorWeighted <dbl>, DenominatorUnweighted <dbl>,
      CILow < lgl>, CIHigh < lgl>, LevelRank < lgl>
```

Remove the first row(meta data)

Convert Data Types

Check for unique values

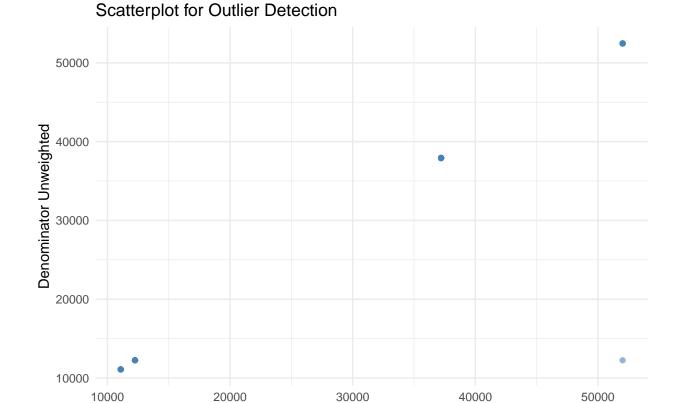
```
## # A tibble: 29 x 3
```

```
##
      column
                      n_unique sample_values
      <chr>
                         <int> <chr>
##
    1 ISO3
##
                             1 ZAF
    2 DataId
                            96 795195, 795196, 795198
##
##
    3 Indicator
                            62 Households using an improved water source, Househol~
##
    4 Value
                            67 86.3, 38.9, 19.5
    5 Precision
                             2 1, 0
                             1 ZA
    6 DHS_CountryCode
##
##
    7 CountryName
                             1 South Africa
    8 SurveyYear
##
                             2 1998, 2016
   9 SurveyId
                             2 ZA1998DHS, ZA2016DHS
## 10 IndicatorId
                            62 WS_SRCE_H_IMP, WS_SRCE_H_PIP, WS_SRCE_H_TAP
## # i 19 more rows
```

#Drop the countries only one unquie value: reason, there is no useful information - county is also always za #Assumed pattern, the missing values can be filled with the previous non missing value in the opposite attribute

Replace DenominatorUnweighted for a specific dataid

```
wtr_df$DenominatorUnweighted[wtr_df$DataId == "795270"] <- 12247</pre>
```



Denominator Weighted

