

# ChicagoWQI

Ally Racho

2/10/2022

```
library(readr)
ChicagoWQI <- read_csv("Data/ChicagoWQI.csv")

## Warning: One or more parsing issues, see `problems()` for details
## Rows: 42880 Columns: 81
## -- Column specification -----
## Delimiter: ","
## chr  (50): OrganizationIdentifier, OrganizationFormalName, ActivityIdentifie...
## dbl  (6): ActivityDepthHeightMeasure/MeasureValue, ActivityTopDepthHeightMe...
## lgl  (19): SampleAquifer, ResultWeightBasisText, ResultTimeBasisText, Result...
## dtm  (1): LastUpdated
## date (3): ActivityStartDate, ActivityEndDate, AnalysisStartDate
## time (2): ActivityStartTime/Time, ActivityEndTime/Time
##
## i Use `spec()` to retrieve the full column specification for this data.
## i Specify the column types or set `show_col_types = FALSE` to quiet this message.
library(DataExplorer)

#condense data
vars <- c("ActivityStartDate", "ActivityStartTime/Time", "CharacteristicName", "ResultSampleFractionText")
ChicagoWQI <- ChicagoWQI[vars]

create_report(ChicagoWQI)

##
##
## processing file: report.rmd
## |
##   inline R code fragments
##
## |
## label: global_options (with options)
## List of 1
## $ include: logi FALSE
##
## |
##   ordinary text without R code
##
## |
## label: introduce
## |
##   ordinary text without R code
```

```

##
## | .....
## label: plot_intro
##
## | .....
## ordinary text without R code
##
## | .....
## label: data_structure
## | .....
## ordinary text without R code
##
## | .....
## label: missing_profile
##
## | .....
## ordinary text without R code
##
## | .....
## label: univariate_distribution_header
## | .....
## ordinary text without R code
##
## | .....
## label: plot_histogram
## | .....
## ordinary text without R code
##
## | .....
## label: plot_density
## | .....
## ordinary text without R code
##
## | .....
## label: plot_frequency_bar
##
## | .....
## ordinary text without R code
##
## | .....
## label: plot_response_bar
## | .....
## ordinary text without R code
##
## | .....
## label: plot_with_bar
## | .....
## ordinary text without R code
##
## | .....
## label: plot_normal_qq
## | .....
## ordinary text without R code
##
## | .....

```

```

## label: plot_response_qq
## | .....
## ordinary text without R code
##
## | .....
## label: plot_by_qq
## | .....
## ordinary text without R code
##
## | .....
## label: correlation_analysis
## | .....
## ordinary text without R code
##
## | .....
## label: principal_component_analysis
## | .....
## ordinary text without R code
##
## | .....
## label: bivariate_distribution_header
## | .....
## ordinary text without R code
##
## | .....
## label: plot_response_boxplot
## | .....
## ordinary text without R code
##
## | .....
## label: plot_by_boxplot
## | .....
## ordinary text without R code
##
## | .....
## label: plot_response_scatterplot
## | .....
## ordinary text without R code
##
## | .....
## label: plot_by_scatterplot
##
## output file: /Users/allyracho/DS440_Project/report.knit.md
## /Applications/RStudio.app/Contents/MacOS/pandoc/pandoc +RTS -K512m -RTS /Users/allyracho/DS440_Proje
##
## Output created: report.html

```