R Notebook

title: “HazletonWQI” author: “Ally Racho” date: “2/10/2022” output: pdf_document: default html_document: default —

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

```
## Rows: 5680 Columns: 81
## -- Column specification --------------------------------------------------------
## Delimiter: ","
## chr  (41): OrganizationIdentifier, OrganizationFormalName, ActivityIdentifie...
## dbl   (4): ActivityLocation/LatitudeMeasure, ActivityLocation/LongitudeMeasu...
## lgl  (32): ActivityEndDate, ActivityEndTime/Time, ActivityRelativeDepthName,...
## dttm  (1): LastUpdated
## date  (2): ActivityStartDate, AnalysisStartDate
## time  (1): ActivityStartTime/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", "ResultSampleFractionTex
HazletonWQI <- HazletonWQI[vars]
```

```
create_report(HazletonWQI)
```

```
##
##
## 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
```