

```

---
title: 'Exploratory Data Analysis'
author: "Cheng Peng"
date: " "
output:
  html_document:
    toc: yes
    toc_depth: 4
    toc_float: yes
    fig_width: 4
    fig_caption: yes
    number_sections: yes
    theme: readable
    fig_height: 4
  word_document:
    toc: yes
    toc_depth: 4
    fig_caption: yes
    keep_md: yes
  pdf_document:
    toc: yes
    toc_depth: 4
    fig_caption: yes
    number_sections: yes
    fig_width: 3
    fig_height: 3
editor_options:
  chunk_output_type: inline
---

```

```

```{=html}

```

```

<style type="text/css">

```

```

/* Cascading Style Sheets (CSS) is a stylesheet language used to
describe the presentation of a document written in HTML or XML. it is
a simple mechanism for adding style (e.g., fonts, colors, spacing) to
Web documents. */

```

```

h1.title { /* Title - font specifications of the report title */
  font-size: 24px;
  color: DarkRed;
  text-align: center;
  font-family: "Gill Sans", sans-serif;
}
h4.author { /* Header 4 - font specifications for authors */
  font-size: 20px;
  font-family: system-ui;
  color: DarkRed;
  text-align: center;
}

```

```

}
h4.date { /* Header 4 - font specifications for the date */
  font-size: 18px;
  font-family: system-ui;
  color: DarkBlue;
  text-align: center;
}
h1 { /* Header 1 - font specifications for level 1 section title */
  font-size: 22px;
  font-family: "Times New Roman", Times, serif;
  color: navy;
  text-align: center;
}
h2 { /* Header 2 - font specifications for level 2 section title */
  font-size: 20px;
  font-family: "Times New Roman", Times, serif;
  color: navy;
  text-align: left;
}

h3 { /* Header 3 - font specifications of level 3 section title */
  font-size: 18px;
  font-family: "Times New Roman", Times, serif;
  color: navy;
  text-align: left;
}

h4 { /* Header 4 - font specifications of level 4 section title */
  font-size: 18px;
  font-family: "Times New Roman", Times, serif;
  color: darkred;
  text-align: left;
}

body { background-color:white; }

.highlightme { background-color:yellow; }

p { background-color:white; }

</style>
```

```

```

```{r setup, include=FALSE}
# code chunk specifies whether the R code, warnings, and output
# will be included in the output files.
if (!require("knitr")) {
  install.packages("knitr")
  library(knitr)
}
if (!require("MASS")) {

```

```

install.packages("MASS")
library(MASS)
}
if (!require("leaflet")) {
  install.packages("leaflet")
  library(leaflet)
}
if (!require("factoextra")) {
  install.packages("factoextra")
  library(factoextra)
}
if (!require("webshot")) {
  install.packages("webshot")
  library(webshot)
}
if (!require("TSstudio")) {
  install.packages("TSstudio")
  library(TSstudio)
}
if (!require("plotrix")) {
  install.packages("plotrix")
  library(plotrix)
}
if (!require("ggribes")) {
  install.packages("ggribes")
  library(ggribes)
}
if (!require("tidyverse")) {
  install.packages("tidyverse")
  library(tidyverse)
}
if (!require("GGally")) {
  install.packages("GGally")
  library(GGally)
}
knitr::opts_chunk$set(echo = TRUE,      # include code chunk in the
                      # output file
                      warnings = FALSE, # sometimes, you code may
                      # produce warning messages,
                      # you can choose to include
                      # the warning messages in
                      # the output file.
                      results = TRUE,    # you can also decide whether
                      # to include the output
                      # in the output file.
                      message = FALSE
                      )
...

```