```
title: '<img src="img/logo.png" width = 120 height = 120>RMarkdown Presentation Format'
author: "Cheng Peng"
date: "West Chester University"
output:
 ioslides_presentation:
  highlight: zenburn
  slide_level: 3
  smaller: yes
  css: css/Custom.css
 beamer_presentation:
  highlight: zenburn
 slidy_presentation:
  highlight: zenburn
```{r setup, include=FALSE}
if (!require("knitr")) {
 install.packages("knitr")
 library(knitr)
}
if (!require("pander")) {
 install.packages("pander")
 library(pander)
}
if (!require("plotly")) {
 install.packages("plotly")
 library(plotly)
```

```
}
if (!require("ggplot2")) {
 install.packages("ggplot2")
 library(ggplot2)
}
knitr::opts_chunk$set(echo = FALSE)
## R Markdown Presentation Formats
### Four Formats
<div style="float: left; width: 40%;">
+ Interactive Presentations
 - **ioslides** (HTML),
 - **slidy** (HTML),
+ Static Presentations
 - **beamer**(PDF, MikTex is needed), and
+ Semi-interactive Presentation
```

```
- **Power Point** (Our old friend!).
</div>
<div style="float: left; width: 60%;">
```{r}
knitr::include_graphics("img/PresentationFormats.jpg")
</div>
## Interactive Web Presentations
### Overlay Density Curves
```{r echo=FALSE}
# define three densities
sepal.len.setosa <- iris[which(iris$Species == "setosa"),]</pre>
setosa <- density(sepal.len.setosa$Sepal.Length)</pre>
sepal.len.versicolor <- iris[which(iris$Species == "versicolor"),]</pre>
versicolor <- density(sepal.len.versicolor$Sepal.Length)</pre>
sepal.len.virginica <- iris[which(iris$Species == "virginica"),]</pre>
virginica <- density(sepal.len.virginica$Sepal.Length)</pre>
# plot density curves
fig <- plot_ly(x = ~virginica$x, y = ~virginica$y,
          type = 'scatter', mode = 'lines',
          name = 'virginica',
```

```
fill = 'tozeroy') %>%
       # adding more density curves
    add_trace(x = ~versicolor$x, y = ~versicolor$y,
          name = 'versicolor', fill = 'tozeroy') %>%
    add_trace(x = \sim setosa\$x, y = \sim setosa\$y,
          name = 'setosa', fill = 'tozeroy') %>%
    layout(xaxis = list(title = 'Sepal Length'),
        yaxis = list(title = 'Density'))
fig
...
### Embedded Webpage
<div class='wrap'>
<iframe src="https://chpeng.shinyapps.io/LSE-Reg/" height="600" width="900" title="Iframe</pre>
Example"></iframe>
</div>
### Embedded Interactive Apps
<center><div class='wrap'>
<iframe src="https://wcu-peng.shinyapps.io/NormalCI4MeanProp/" height="500" width="700"</pre>
title="Iframe Example"></iframe>
</div></center>
### Searchable Data Table
```

```
```{r eval=requireNamespace("DT", quietly=TRUE)}
DT::datatable(head(mtcars), fillContainer = FALSE, options = list(pageLength = 4))
## Beamer and Beamer Themes
### Beamer Built-in Themes
<center><div class='wrap'>
<iframe src="https://pengdsci.github.io/Beamer/" height="300px" width="80%" style="border:1px</pre>
solid black: "×/iframe>
</div></center>
### A Sample Beamer Presentation
<center><div class='wrap'>
<object data="https://pengdsci.github.io/sta553/w03-Ethics.pdf" type="application/pdf"</pre>
width="80%" height="430px">
   Unable to display PDF file. <a href="https://pengdsci.github.io/sta553/w03-
Ethics.pdf">Download</a> instead.
  </object>
</div></center>
```

```
## Our Old Friend - PPT!
### PowerPoint from MS Suite
<h5> Many built-in designed layouts/templates, buy many are not good for technical presentations!
</h5>
```{r width="60%"}
knitr::include_graphics("img/MS-PPT.jpg")
### PowerPoint from RMarkdown
<h5> No template for R Markdown to generate diverse PPT. No interactive content allowed in PPT
</h5>
<center><div class='wrap'>
<object data="https://pengdsci.github.io/Beamer/misc/RMD2PPT.pdf" type="application/pdf"</pre>
width="100%" height="450px">
   Unable to display PDF file. <a
href="https://pengdsci.github.io/Beamer/misc/RMD2PPT.pdf">Download</a> instead.
```

</object>

</div></center>

## ### RMD Source for PPT

</div></center>