Reproducible Research(3)

문 건 웅

2019/11/26

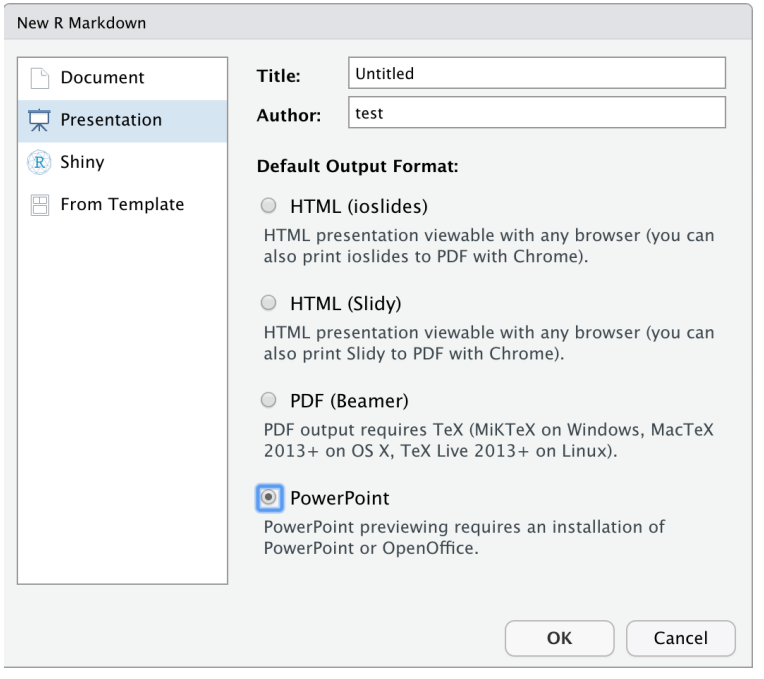
필요한 패키지들

```
install.packages(c("ggplot2","export",
                   "ztable","flextable","predict3d"))
```

R의 결과를 powerpoint로 만드는 두 가지 방법

1. R markdown 문서로 만드는 방법
2. export 패키지를 이용하는 방법

File > New File > R Markdown..



File > Open File.. > RmdEx3.Rmd

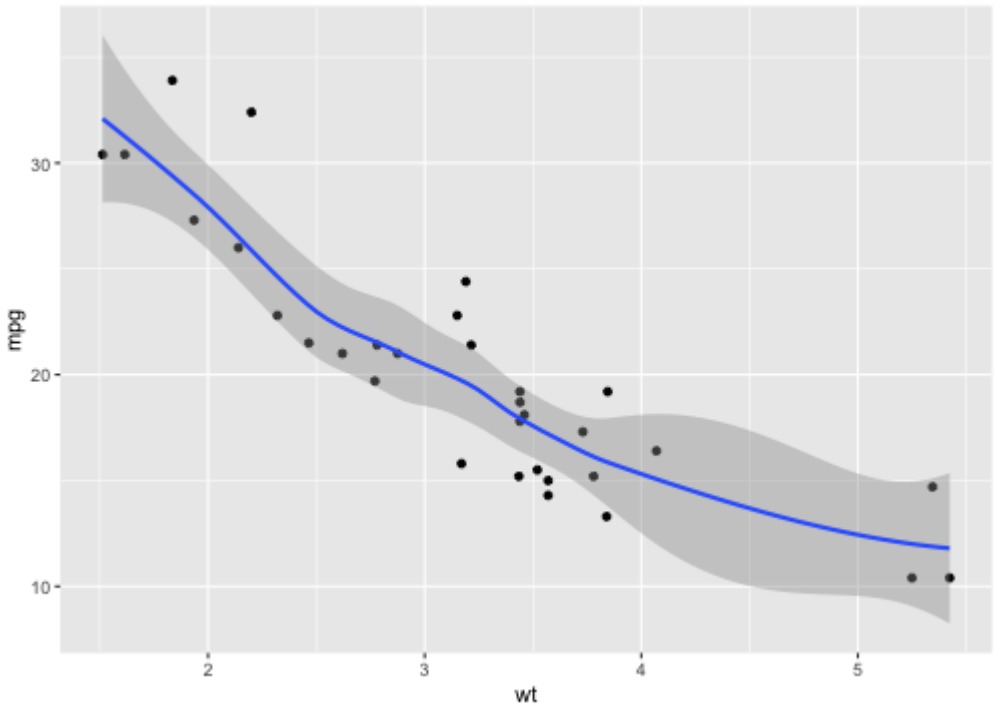
````
---
title: "RmdEx3"
author: "test"
date: "11/26/2019"
output: powerpoint_presentation
---

```{r setup, include=FALSE}
knitr::opts_chunk$set(echo = FALSE,message=FALSE,dpi=300)
```

## R Markdown

This is an R Markdown presentation. Markdown is a simple formatting syntax fo

When you click the **Knit** button a document will be generated that includes

## Slide with Bullets

- Bullet 1
- Bullet 2
- Bullet 3

## Slide with R Output
````

export 패키지를 이용하는 방법

```
library(export)
?graph2ppt
?table2ppt
```

R의 그래프를 ppt로

```
library(ggplot2)
p<-ggplot(mtcars,aes(x=wt,y=mpg))+geom_point()+stat_smooth()
p
```



export to Powerpoint

```
graph2ppt(p)
graph2ppt(p,file="ggplot2_plot.pptx", aspectr=1.7)
```

- add 2nd slide with same graph 9 inches wide and A4 aspect ratio

```
graph2ppt(p,file="ggplot2_plot.pptx", width=9, aspectr=sqrt(2),
          append=TRUE)
```

- add 3d slide with same graph with fixed width & height

```
graph2ppt(p,file="ggplot2_plot.pptx", width=6, height=5,
          append=TRUE)
```

- export to Word

```
graph2doc(p)
```

export to bitmap or vector formats

```
graph2svg(p)
graph2png(p)
graph2tif(p)
graph2jpg(p)
```