R Markdown with Wordpress

I would like to show you how to use R Markdown to create a post and post on Wordpress Blog without installing the Rwordpress packages

Let’s plot a line plot using ggplot2

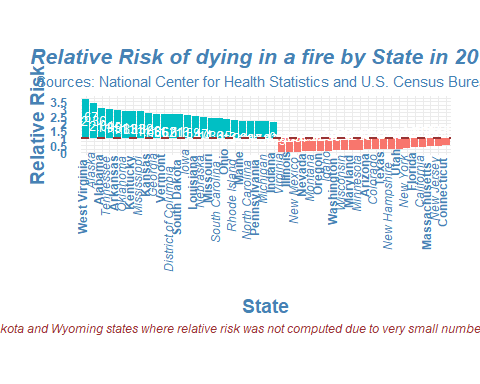
library(ggplot2)  
Death\_States\_2016 <- read.csv("C:/Users/LOAN/Documents/Fire datasets/data/Death\_States\_2016.csv",header = TRUE,stringsAsFactors = FALSE)  
Death\_States\_2016$RR\_plot <- ifelse(Death\_States\_2016$Relative\_Risk < 1, -Death\_States\_2016$Relative\_Risk, Death\_States\_2016$Relative\_Risk )  
Death\_States\_2016$group <- ifelse(Death\_States\_2016$Relative\_Risk >= 1, "Risky", "Non\_Risky")  
Death\_States\_2016 <- Death\_States\_2016[order(-Death\_States\_2016$Relative\_Risk),]  
Death\_States\_2016$State <- factor(Death\_States\_2016$State,levels = c(Death\_States\_2016$State))  
Death\_States\_2016$RR\_label <- round(Death\_States\_2016$Relative\_Risk,2)  
Death\_States\_2016$RR\_vjust <- ifelse(Death\_States\_2016$Relative\_Risk < 1, -1,2)  
Death\_States\_2016\_plot <- Death\_States\_2016[!is.na(Death\_States\_2016$Relative\_Risk),]  
p <- ggplot(data=Death\_States\_2016\_plot, aes(x=State, y=RR\_plot, fill = group)) +  
 geom\_bar(stat="identity")+  
 geom\_text(aes(label =RR\_label ),vjust= Death\_States\_2016\_plot$RR\_vjust, color="white", size=3.5,position = position\_dodge(width = 1))+  
 geom\_hline(yintercept=0, linetype="dashed", color = "#993333", size=1) +   
 scale\_y\_continuous(name="Relative Risk", breaks=c(-1, -0.5, 0, 0.5, 1, 1.5, 2, 2.5, 3,3.5, 4), labels = c("0","0.5","1","1.5","2","2.5","3","3.5","4","4.5","5")) +   
 theme\_minimal() + labs(title = "Relative Risk of dying in a fire by State in 2016",  
 subtitle = "Sources: National Center for Health Statistics and U.S. Census Bureau",  
 caption = "\*\*Delaware, Hawaii, North Dakota and Wyoming states where relative risk was not computed due to very small numbers of fire deaths (fewer than 10 deaths).") +  
 theme(axis.text.x = element\_text(face=c("bold","italic"), color="steelblue",size=9, angle=90,hjust=1.2,vjust=0),  
 axis.text.y = element\_text(face=c("bold")),  
 axis.ticks.length = unit(.3, "cm"),  
 axis.text = element\_text( color="steelblue"),  
 plot.title = element\_text(color="steelblue", size=16, face="bold.italic",hjust = 0.5),  
 plot.subtitle = element\_text(color="steelblue",hjust = 0.5),  
 plot.caption = element\_text(color="#993333",hjust = 0.5, face="italic"),  
 axis.title.x = element\_text(color="steelblue", size=14, face="bold"),  
 axis.title.y = element\_text(color="steelblue", size=14, face="bold"),  
 legend.position="none",  
 plot.margin = margin(t =0.5, r = 0.3, b = 0.5, l = 0.3, unit = "in"))

#### Save the plot and set size for the plot

ggsave("C:/Users/LOAN/Documents/Fire datasets/data/Relative Risk.png", width = 40, height = 20, units = "cm", dpi = 200)

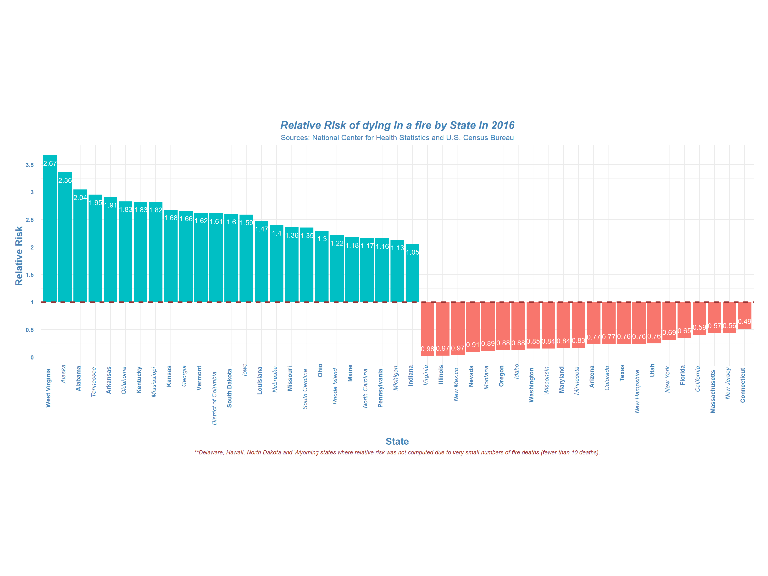
### Including Plots directly

You can also embed plots, for example:



### Insert plot by the link, we will use png and grid packages

library(png)  
library(grid)  
img <- readPNG("C:/Users/LOAN/Documents/Fire datasets/data/Relative Risk.png")  
grid.raster(img)



Note that the echo = FALSE parameter was added to the code chunk to prevent printing of the R code that generated the plot.