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

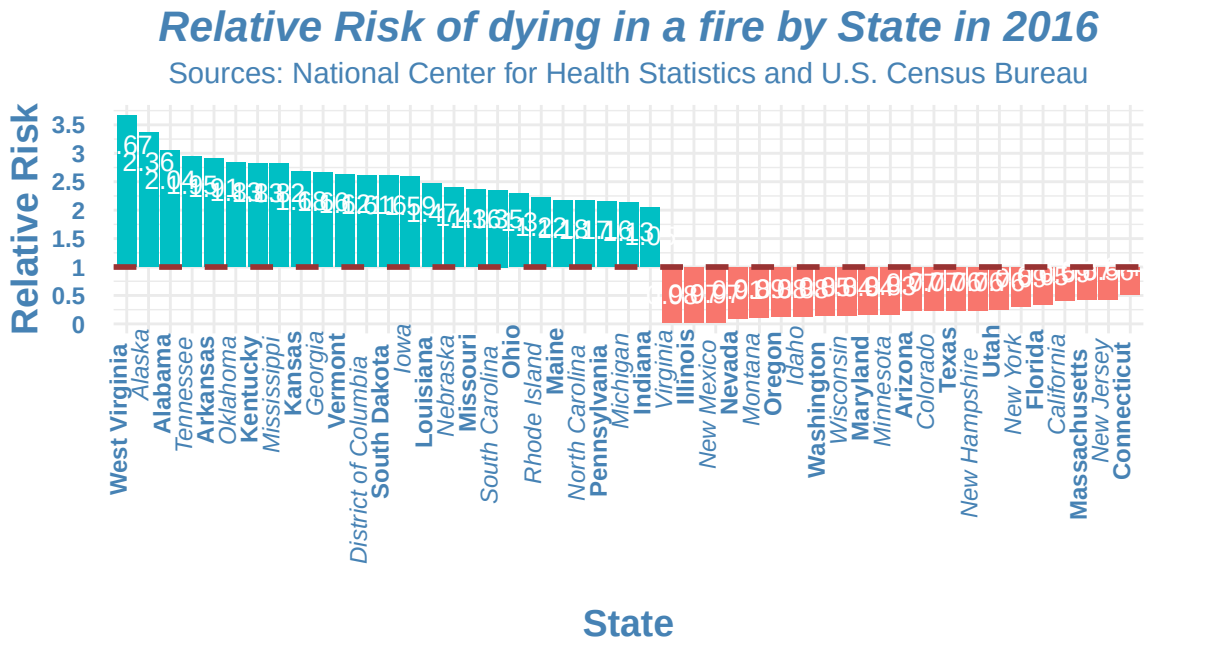
```
library(ggplot2)
Death_States_2016 <- read.csv("C:/Users/LOAN/Documents/Fire datasets/data/Death_States_2016.csv",header
Death_States_2016$RR_plot <- ifelse(Death_States_2016$Relative_Risk < 1, -Death_States_2016$Relative_Ris
Death_States_2016$group <- ifelse(Death_States_2016$Relative_Risk >= 1, "Risky", "Non_Risky")
Death_States_2016 <- Death_States_2016[order(-Death_States_2016$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,posit
  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
  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 Bur
                         caption = "**Delaware, Hawaii, North Dakota and Wyoming states where relative
  theme(axis.text.x = element_text(face=c("bold","italic"), color="steelblue",size=9, angle=90,hjust=1.
        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 =
```

Including Plots directly

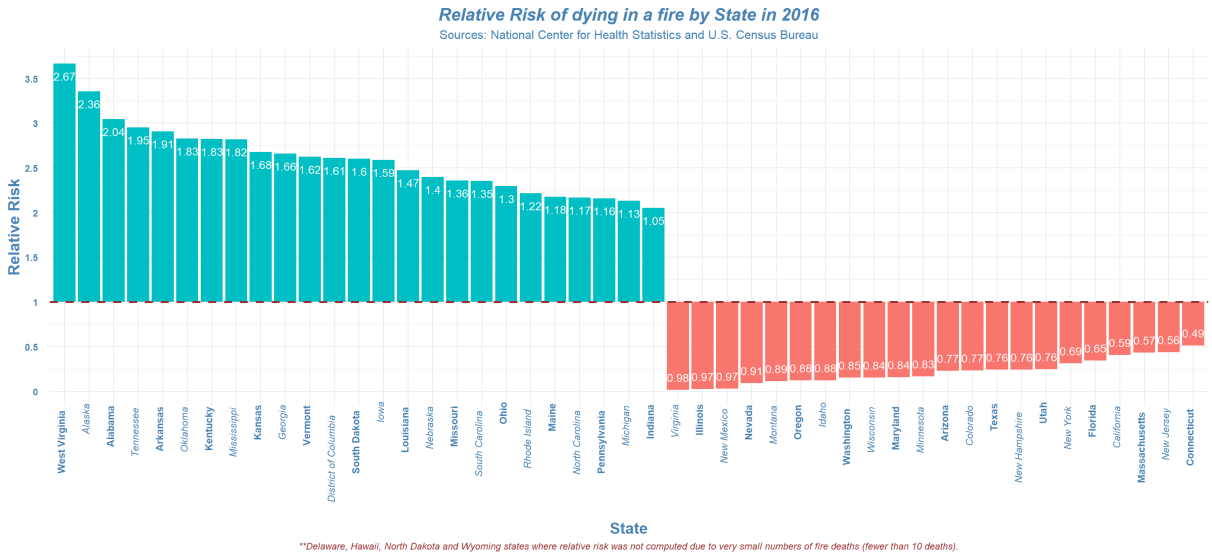
You can also embed plots, for example:



waii, North Dakota and Wyoming states where relative risk was not computed due to very small numbers of fire death

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.