

# Final Paper

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## R Markdown

This is an R Markdown document. Markdown is a simple formatting syntax for authoring HTML, PDF, and MS Word documents. For more details on using R Markdown see <http://rmarkdown.rstudio.com>.

When you click the **Knit** button a document will be generated that includes both content as well as the output of any embedded R code chunks within the document. You can embed an R code chunk like this:

```
doc = pptx( )

# Slide 1 : Title slide
#####
doc <- addSlide(doc, "Title Slide")
doc <- addTitle(doc, "Create a PowerPoint document from R software")
doc <- addSubtitle(doc, "R and ReporteRs package")
doc <- addDate(doc)
doc <- addFooter(doc, "Isaac Newton")
doc <- addPageNumber(doc, "1/4")

# Slide 2 : Add plot
#####
doc <- addSlide(doc, "Title and Content")
doc <- addTitle(doc, "Bar plot")
plotFunc<- function(){
  barplot(VADeaths, beside = TRUE,
          col = c("lightblue", "mistyrose", "lightcyan",
                  "lavender", "cornsilk"),
          legend = rownames(VADeaths), ylim = c(0, 100))
  title(main = "Death Rates in Virginia", font.main = 4)
}
doc <- addPlot(doc, plotFunc )
doc <- addPageNumber(doc, "2/4")

# Slide 3 : Add table
#####
doc <- addSlide(doc, "Two Content")
doc <- addTitle(doc, "iris data sets")
doc <- addFlexTable(doc, FlexTable(iris[1:10,] ))
doc <- addParagraph(doc, "iris data set gives the measurements in centimeters of the variables sepal length, sepal width, petal length, petal width, and species")
doc <- addPageNumber(doc, "3/4")

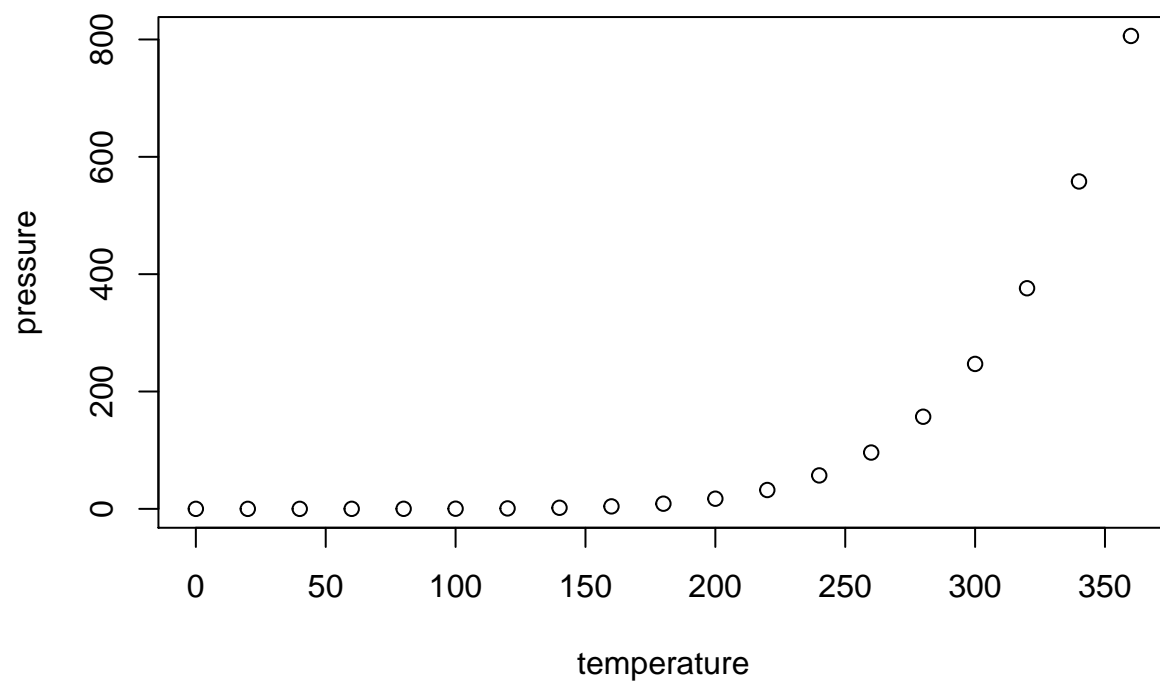
# Silde 4 : Add R script
#####
doc <- addSlide(doc, "Content with Caption")
doc <- addTitle(doc, "R Script for histogram plot")
doc <- addPlot(doc, function() hist(iris$Sepal.Width, col=4))
r_code = "data(iris)
hist(iris$Sepal.Width, col = 4)"
```

```
doc <- addRScript(doc, text=r_code)

# write the document
writeDoc(doc, "r-reporters-powerpoint.pptx" )
```

## Including Plots

You can also embed plots, for example:



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