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ST

October 31, 2018

{r setup, include=FALSE} knitr::opts\_chunk$set(echo = TRUE)

## 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:

# read titanic file  
  
data1 <- read.csv(file="c:/Users/crish/Desktop/titanic\_original.csv", header=TRUE, sep=",")  
  
#FInd mean value for age column   
meanage <- mean(data1[["age"]], na.rm = TRUE)  
# loop through data frame and populate necessary values  
  
  
data1$boat <- as.character(data1$boat)  
data1$cabin <- as.character(data1$cabin)  
data1 <- mutate(data1, has\_cabin\_number = ' ')  
data1$has\_cabin\_number <- as.numeric(data1$has\_cabin\_number)  
  
for (row in 1:nrow(data1)) {  
   
 if (data1$embarked[row] == ""){  
 data1$embarked[row] <- "S"  
 }  
  
 if (is.na(data1$age[row])) {  
 data1$age[row] <- meanage  
 }  
   
 if (is.na(data1$boat[row])){  
 data1$boat[row] <- 'A'  
 }  
  
 if (data1$boat[row] == ""){  
 data1$boat[row] <- 'AA'  
 }  
 if (data1$cabin[row] == ""){  
 data1$has\_cabin\_number[row] = 1}  
 else {  
 data1$has\_cabin\_number[row] = 0  
 }}