title: “First R Markdown” output: html\_document

## 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:

summary(cars)

## speed dist   
## Min. : 4.0 Min. : 2.00   
## 1st Qu.:12.0 1st Qu.: 26.00   
## Median :15.0 Median : 36.00   
## Mean :15.4 Mean : 42.98   
## 3rd Qu.:19.0 3rd Qu.: 56.00   
## Max. :25.0 Max. :120.00

## 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.

Here is an edit

m <- matrix(data=c(1,2,3,4),nrow=2,ncol=2) m

m <- matrix(data=c(1,2,3,4,5,6),nrow=2,ncol=3,byrow=FALSE) m

m <- matrix(data=c(1,2,3,4,5,6),nrow=2,ncol=3,byrow=TRUE) m

v1 <- c(1,2,3,4) v2 <- c(6,7,8,9) m1 <- rbind(v1,v2) m1

m2 <- cbind(v1,v2) m2

class(m1)

dim(m1)

class(m2)

dim(m2)

colnames(m2)

rownames(m2)

str(m2)

a <- array(data=1:90, dim=c(5,6,3)) a

v <- 1:100 v

v[1:15]

v[c(2,4,6,8,10)] y <- c(“Stately”, “plump”, “Buck”, “Mulligan”, “came”, “from”, “the”, “stairhead”, “bearing”, “a”, “bowl”, “of”, “lather”, “on”, “which”, “a”, “mirror”, “and”, “a”, “razor”, “lay”, “crossed”) y

x <- c(“Stately”, “plump”, “Buck”, “Mulligan”, “came”, “from”, “the”, “stairhead”, “bearing”, “a”, “bowl”, “of”, “lather”, “on”, “which”, “a”, “mirror”, “and”, “a”, “razor”, “lay”, “crossed”) x n <- x[seq(1, length(x), 3)] print(n)

m <- matrix(data=1:80,nrow=8,ncol=10,byrow=FALSE) m

x <- m[,c(2,3,6)] x

x <- m[(6:8),] x

x <- m[(2:6),(2:9)] x

a <- array(data=400:1, dim=c(5,5,4,4)) a

a[1, 1, 1, 2]

a[2, 3, 2, ]

a[1:5, 1:5, 3, 3]

m <- matrix(data=1:80,nrow=8,ncol=10,byrow=FALSE) m m[7,1] <- 564 m m <- matrix(data=1:80,nrow=8,ncol=10,byrow=FALSE) m m[7,1] <- 564 m m[,8] <- 2 m m[2:5,4:8] <- 1 m m[2:5,4:8] <- c(20,19,18,17) m m[2:5,4:8] <- c(20,19,18,17) m m[2:5,4:8] <- matrix(data = c(20:1), nrow=4,ncol=5,byrow=TRUE) m m[,8] <- c(“a”,“b”) m

Catarrhini<-list (“Cercopithecidae”, “Hylobatide”, “Hominidae”) names(Catarrhini)<-c(“Cercopithecidae”, “Hylobatide”, “Hominidae”) Platyrrhini<-list(“Cebidae”, “Atelidae”, “Pitheciidae”) names(Platyrrhini)<-c(“Cebidae”, “Atelidae”, “Pitheciidae”) Anthropoidea<-list(Platyrrhini, Catarrhini) names(Anthropoidea)<-c(“Platyrrhini”,“Catarrhini”) Anthropoidea Tarsioidea<-list(“Tariisdae”) names(Tarsioidea)<-c(“Tariisdae”) Tarsioidea Haplorhini<-list(Anthropoidea, Tarsioidea) names(Haplorhini)<-c(“Anthropoidea”, “Tarsioidea”) Haplorhini Lemuroidea<-list(“Cheirogaleidae”,“Lepilemuridae”,“Indriidae”,“Lemuridae”,“Daubentoniidae”) names(Lemuroidea)<-c(“Cheirogaleidae”,“Lepilemuridae”,“Indriidae”,“Lemuridae”,“Daubentoniidae”) Lorisoidea<-list(“Lorisidae”,“Galagidae”) names(Lorisoidea)<-c(“Lorisidae”,“Galagidae”) Strepsirhini<-list(Lemuroidea,Lorisoidea) names(Strepsirhini)<-c(“Lemuroidea”,“Lorisoidea”) Strepsirhini Primates<-list(Haplorhini, Strepsirhini) names(Primates)<-c(“Haplorhini”, “Strepsirhini”) Primates

m <- matrix(data=c(3, 0, 1 ,23, 1, 2, 33, 1, 1, 42, 0, 1, 41, 0, 2),nrow=5,ncol=3) m

as.data.frame(m)

x<-m[,2] x as.logical(x) x<-m[,3] x as.factor(x)