

# EXAMPLE

## R Markdown Skeleton

```
#### note ``` (3 backticks)
##### R code goes in here. Set code chunk environment options above

library(RMySQL)
library(knitr)
library(xtable)

options(xtable.comment = FALSE) ##### prevent comment when printing xtable latex

projpath <- getwd()

if(!exists("xdbsock")) {
  xdbsock <- ""
  cat("\n", "Parameter 'xdbsock' not found, setting to empty string for general usage", "\n")
}

drv <- dbDriver("MySQL")

xdbuser <- Sys.getenv("MAS405_AWS_DZES_DB_RO_USER") ###
xpw <- Sys.getenv("MAS405_AWS_DZES_DB_RO_PW") ###
xdbname <- Sys.getenv("MAS405_AWS_DZES_DB_RO_DBNAME") ###
xdbhost <- Sys.getenv("MAS405_AWS_DZES_DB_RO_HOST") ###
xdbport <- as.integer( Sys.getenv("MAS405_AWS_DZES_DB_RO_PORT") )

con <- dbConnect(drv, user=xdbuser, password=xpw, dbname=xdbname, host=xdbhost, port=xdbport, unix.socket=

xbool_tableExists <- dbExistsTable(con, "nba_playersDate_1") ; xbool_tableExists
```

Document environment. Accepts text like this

Accepts HTML/CSS

and LaTeX equations:  $y = b_0 + b_1x$

You can also take a result from a previous R environment and display it inline, like so, TRUE.

# NBA Players-Game Data

## H2

### H3

#### H4

```
## [1] "latex"
## Date last run: 2021-04-09
## Stats 10 Winter 2020
## Section #
```

## Show All Tables in DB db3

##### we can use `opts_knit$get("rmarkdown.pandoc.to")` to determine whether we'd  
##### rather use `kable` or `xtable` to render a table

```
if( opts_knit$get("rmarkdown.pandoc.to") %in% "html" ) {
  kable(xx)
}

if( opts_knit$get("rmarkdown.pandoc.to") %in% "latex" ) {
  print(xtable(xx))
}
```

	Tables_in_db1
1	dataDictionary
2	metadata
3	nba_gameDate_1
4	nba_playersDate_1
5	nba_teamDate_1
6	nhl_gameDate_1
7	nhl_goaliesDate_1
8	nhl_playersDate_1
9	nhl_teamDate_1
10	ozone_data

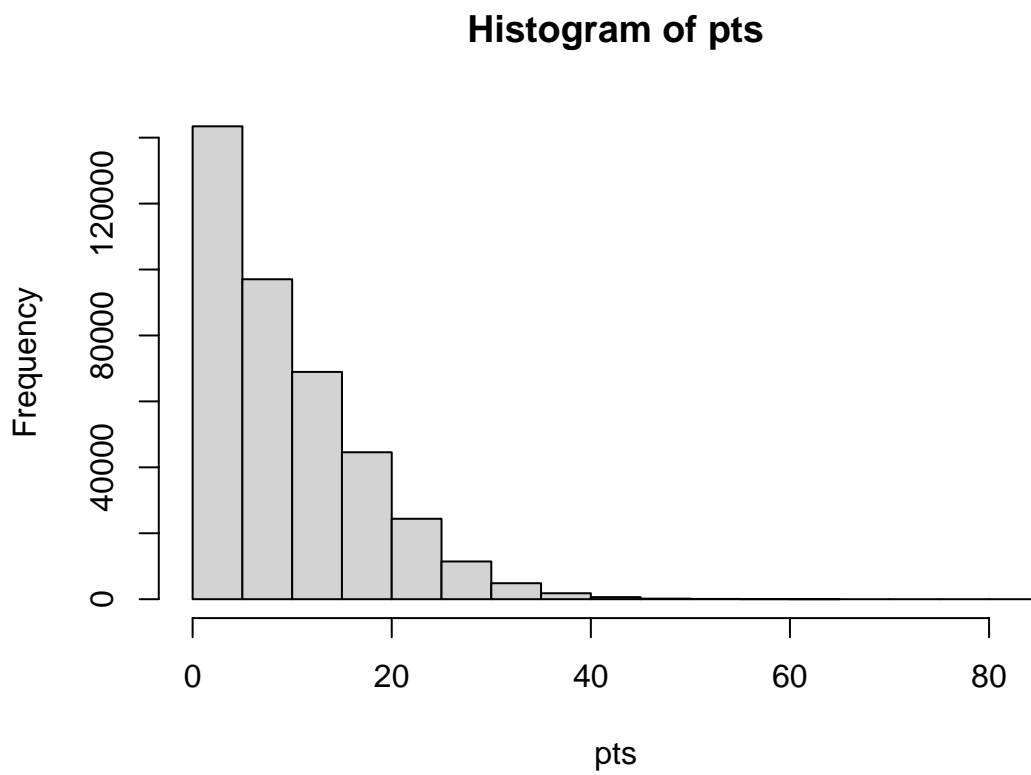
## Column Info on Table nba\_players\_1

COLUMN_NAME
ID
date
team
conf
name
min
pts
plmin

Earliest date in NBA Players data is, 20041102; most recent is 20200311.

Earliest date, ISO, in NBA Players data is, 2004-11-02; most recent is 2020-03-11.

## Player-Game Points



## All Player-Game Where Player Pts > 60

date	name	team
20051220	Kobe Bryant	LAL
20060122	Kobe Bryant	LAL
20070316	Kobe Bryant	LAL
20090202	Kobe Bryant	LAL
20140124	Carmelo Anthony	NYK
20140303	LeBron James	MIA
20170324	Devin Booker	PHX
20190123	James Harden	HOU
20190322	James Harden	HOU
20200120	Damian Lillard	POR