Name: Yuhui Wang

UID: 606332401

1.

#1

justices$deathd <- as.Date(justices$deathd, "%m/%d/%Y")

typeof(justices$deathd)

head(justices$deathd,10)

justices$birdate <- as.Date(justices$birdate, "%m/%d/%Y")

tail(justices)

justices$deathage <- as.numeric(round((justices$deathd - justices$birdate)/365.25))

mean(justices$deathage, na.rm = T)

The mean death age among nominees is 74.20 years.

2.

#2

justices[50,c("name")]

justices[-c(1:174),c("name")]

justices[100,c("birdate")]

justices$name[125]

3.

#3

just <- justices[justices$success == 1,]

mean(just$nomage, na.rm = T)

median(just$nomage, na.rm = T)

asso\_just <- justices[justices$posit == 1,]

mean(asso\_just$nomage, na.rm = T)

median(asso\_just$nomage, na.rm = T)

prior <- justices[justices$yrnom < 1900,]

mean(prior$nomage, na.rm = T)

median(prior$nomage, na.rm = T)

after <- justices[justices$yrnom >= 1900,]

mean(after$nomage, na.rm = T)

median(after$nomage, na.rm = T)

1. *Mean: 53.43, median: 54*
2. *Mean: 52.59, median: 54*
3. *Mean: 51.98, median: 53.5*
4. *Mean: 55.2, median: 55*

4.

#4

youngest <- justices[justices$success == 1,]

min\_age=min(youngest$nomage, na.rm=T)

youngest <- youngest[youngest$nomage == min\_age,c("name","nomage")]

youngest

oldest <- justices[justices$success == 1,]

max\_age=max(oldest$nomage, na.rm=T)

oldest <- oldest[oldest$nomage == max\_age,c("name","nomage")]

oldest

ca <- justices[justices$success == 1,]

ca <- ca[ca$birthst == 5, c("name","nomage")]

ca

1. *Name: Story, Joseph, age: 32*
2. *Name: Stone, Harlan Fiske, age: 69*
3. *There are 3 successfully appointed Justices or Chief Justices were born in California, their names are: Warren, Earl ; Kennedy, Anthony McLeod ; Breyer, Stephen G.*

5.

#5

total\_nominations <- nrow(justices)

white\_nominations <- sum(justices$race == 0)

white\_nominations

white\_percentage <- (white\_nominations / total\_nominations) \* 100

white\_percentage

not\_white <- justices[justices$race != 0, ]

m=min(not\_white$nomdate)

not\_white <- not\_white[not\_white$nomdate == m, c("name","yrnom")]

not\_white

total\_nominations <- nrow(justices)

female <- sum(justices$gender == 1)

female

female\_percentage <- (female / total\_nominations) \* 100

female\_percentage

first\_female <- justices[justices$gender == 1,]

first\_female <- first\_female[first\_female$nomdate == min(first\_female$nomdate), c("name","yrnom")]

first\_female

under\_middle <- sum(justices$famses == 1 | justices$famses == 2)

percent <- under\_middle / nrow(justices)

percent

1. *172 people are identified as white; the percentage is 98.29%*
2. *The first individual not white is Marshall, Thurgood; the year is 1967*
3. *Female nominees are 5; the percentage is 2.86%*
4. *The first female nominated is O'Connor, Sandra Day; the year is 1981*
5. *The percentage is 20.57%*

6.

#6

table(justices$posit,justices$birthst)

just <- justices

birth\_state\_counts <- table(just$birthst)

max\_count <- max(birth\_state\_counts)

max\_count

most\_common\_birth\_states <- names(birth\_state\_counts[birth\_state\_counts == max\_count])

most\_common\_birth\_states

# 32 is New York

*The state has produced the most Supreme Court nominees is “32”, which is New York. It has produced 25 nominees.*