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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$name[125]
3.
just <- justices[justices$success == 1,]
mean(just$nomage, na.rm = T)
median(just$nomage, na.rm = T)
asso_just <- justices[justices$posit == 1,]</pre>
mean(asso_just$nomage, na.rm = T)
median(asso_just$nomage, na.rm = T)
prior <- justices[justices$yrnom < 1900,]</pre>
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,]</pre>
min age=min(youngest$nomage, na.rm=T)
youngest <- youngest[youngest$nomage == min_age,c("name","nomage")]</pre>
youngest
oldest <- justices[justices$success == 1,]</pre>
max age=max(oldest$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</pre>
white percentage
not_white <- justices[justices$race != 0, ]</pre>
m=min(not white$nomdate)
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```
not_white <- not_white[not_white$nomdate == m, c("name","yrnom")]</pre>
not white
total nominations <- nrow(justices)
female <- sum(justices$gender == 1)
female
female percentage <- (female / total nominations) * 100
female_percentage
first female <- justices[justices$gender == 1,]
first female <- first female $\footnote{\text{female}}\nomdate == \min(\text{first female}\nomdate),
c("name","yrnom")]
first_female
under middle <- sum(justices$famses == 1 | justices$famses == 2)
percent <- under middle / nrow(justices)
percent
   1. 172 people are identified as white; the percentage is 98.29%
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- 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.
table(justices$posit,justices$birthst)
just <- justices
birth state counts <- table(just$birthst)</pre>
max count <- max(birth state counts)</pre>
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.