DATA557 - Team Project

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Exploration

```
# search for NAs
naSummer <- function(column_input) sum(is.na(column_input))</pre>
apply(crimeData, 2, naSummer)
##
                 Report.Number
                                               Occurred.Date
##
##
                  Occurred.Time
                                               Reported.Date
##
##
                  Reported.Time
                                           Crime.Subcategory
##
  Primary.Offense.Description
                                                    Precinct
##
##
##
                         Sector
                                                         Beat
##
##
                                                reportedYear
                   Neighborhood
##
                   occurredYear
##
                                               reportedMonth
##
##
                  occurredMonth
# show data with NAs
kable(rbind(
  crimeData[which(is.na(crimeData$Reported.Date)),],
  crimeData[which(is.na(crimeData$Occurred.Date)),])
```

	Report.Number	Occurred.Date	Occurred.Time	Reported.Date	Reported.Time	Crime.Subcategory	Prir
10	1.999e + 13	NA	NA	1999-01-01	NA	THEFT-SHOPLIFT	TH
123	2.007e+13	NA	NA	2007-01-01	NA	RAPE	RA

Looks like there are two NA values for dates. I recommend excluding for date-based analyses.

```
"Sector",

"Beat",

"Neighborhood",

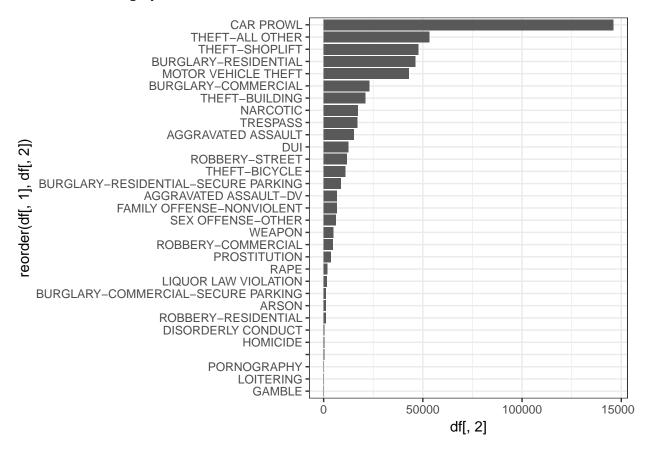
"reportedYear",

"occurredYear",

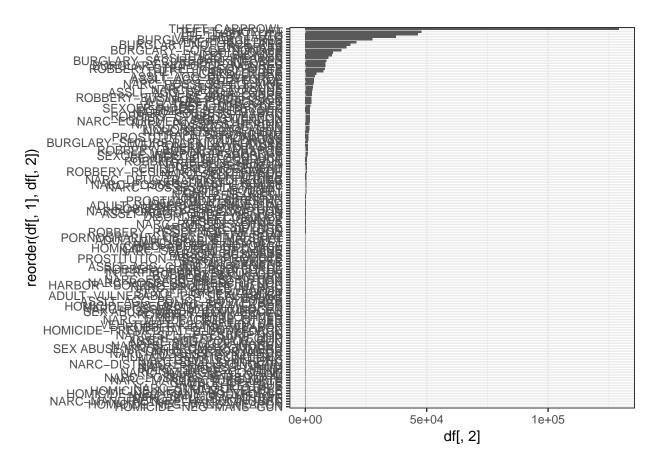
"reportedMonth",

"occurredMonth"))],
```

\$Crime.Subcategory

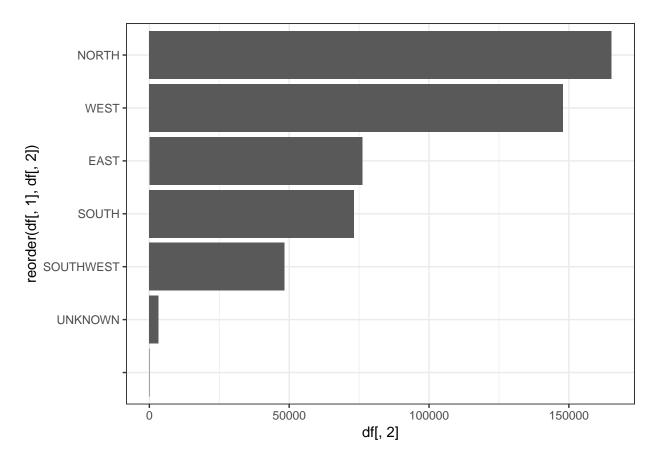


##
\$Primary.Offense.Description



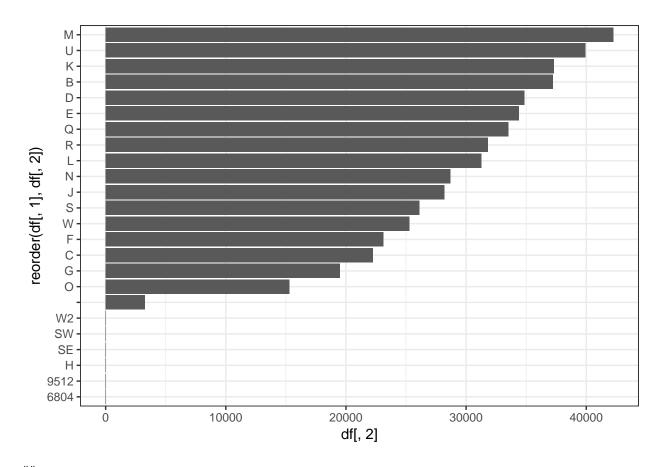
##

\$Precinct

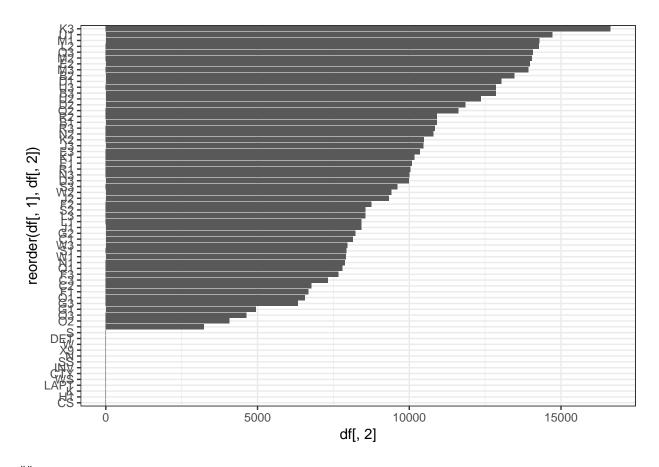


##

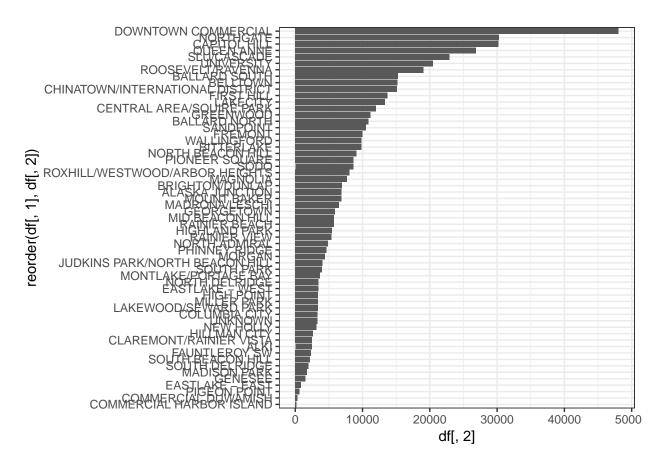
\$Sector



\$Beat

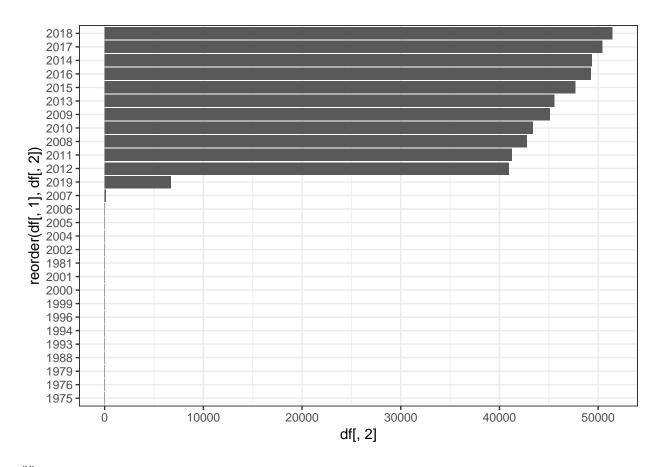


##
\$Neighborhood

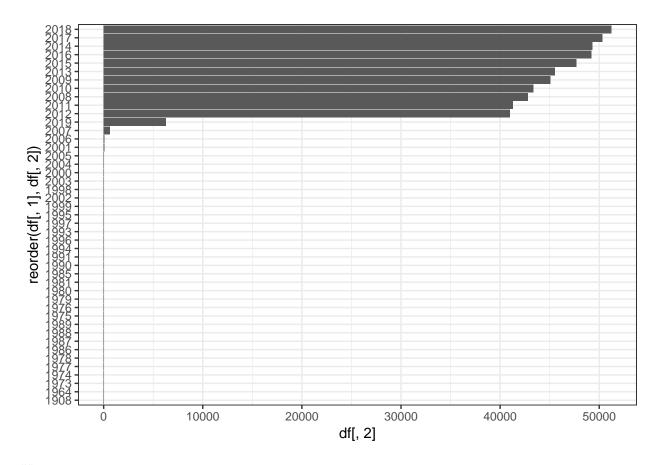


##

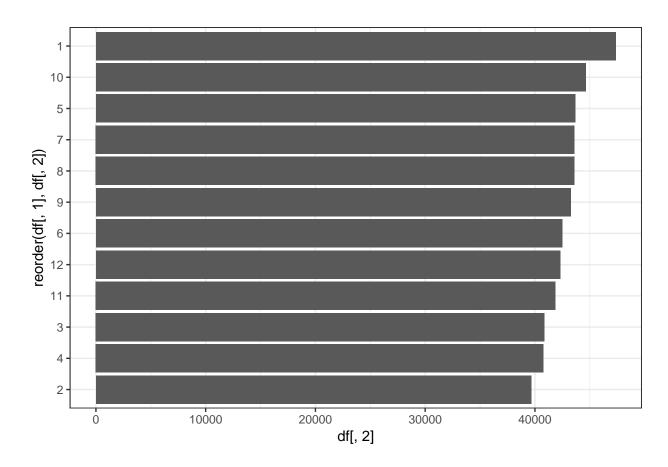
\$reportedYear



##
\$occurredYear



##
\$reportedMonth



##
\$occurredMonth

