

Explore ACR

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Libraries

```
#library(lubridate)
```

Data

read in

```
ACR.raw <- read.csv(file = "./data/ACR.csv",  
                    stringsAsFactors = FALSE)  
name <- c("SQA",  
          "Application",  
          "CRNumber",  
          "CRDate",  
          "CRApproved",  
          "IENumber",  
          "IEDate",  
          "IEApproved",  
          "Reason",  
          "Comments")  
names(ACR.raw) <- name
```

Format

factor

```
ACR.raw$SQA <- as.factor(ACR.raw$SQA)  
ACR.raw$Application <- as.factor(ACR.raw$Application)  
ACR.raw$CRApproved <- as.factor(ACR.raw$CRApproved)  
ACR.raw$IEApproved <- as.factor(ACR.raw$IEApproved)  
levels(ACR.raw$IEApproved)[1] <- NA
```

```
ACR.raw$Reason <- as.factor(ACR.raw$Reason)
levels(ACR.raw$Reason)[1] <- NA
```

Dates

```
ACR.raw$CRDate <- as.Date(ACR.raw$CRDate, format = "%d-%b-%y")
ACR.raw$IEDate<- as.Date(ACR.raw$IEDate, format = "%d-%b-%y")
```

Structure

```
str(ACR.raw)
```

```
## 'data.frame':   97 obs. of  10 variables:
## $ SQA          : Factor w/ 1 level "Nick": 1 1 1 1 1 1 1 1 1 1 ...
## $ Application: Factor w/ 7 levels "AFMS","CMSNext",...: 2 5 2 2 2 5 2 2 1 ...
## $ CRNumber     : chr  "CSIT09242" "18-31107" "CSIT09244" "CSIT08209" ...
## $ CRDate       : Date, format: "2018-10-01" "2018-09-20" ...
## $ CRApproved   : Factor w/ 3 levels "A","A-FP","D": 1 1 1 1 1 1 1 1 1 ...
## $ IENumber     : chr  "CSIT09242" "18-32567" "CSIT09244" "CSIT08209" ...
## $ IEDate       : Date, format: NA "2018-10-03" ...
## $ IEApproved   : Factor w/ 3 levels "A","A-FP","D": NA 1 1 1 1 1 1 1 NA ...
## $ Reason       : Factor w/ 3 levels "Inaccurate information",...: NA NA NA NA NA NA NA NA NA ...
## $ Comments     : chr  "" "" "" "" ...
```

Metrics