# EDA

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2023-09-09

```r
# make sure you are in the EMS Stations Project directory
load('./Data/emsData.RData')
# alternatively, click the emsData.RData file to load it into your global environment
```

```r
head(x)
```

```
##   REF.GRID DISPATCH.PRIORITY.NAME REF.GPS.LAT REF.GPS.LON BASE.NAME VEH.GRID
## 1  3 South              Emergency     36.3085    -78.4563 Company 9  Medic 5
## 2 2 Central             Emergency     36.3306    -78.4040 Company 9  Medic 6
## 3 2 Central             Emergency     36.3335    -78.4399 Company 9  Medic 1
## 4 2 Central             Emergency     36.3351    -78.4410 Company 9  Medic 5
## 5 2 Central         Non Emergency     36.3401    -78.4017 Company 9  Medic 6
## 6 2 Central             Emergency     36.3315    -78.3929 Company 9  Medic 1
##             VEHCGPS             DT.DISP          DT.ENROUTE           DT.ARRIVE
## 1 36.345, -78.3905 2024-01-01 06:46:00 2024-01-01 06:46:00 2024-01-01 06:52:00
## 2 36.345, -78.3905 2024-01-01 08:30:00 2024-01-01 08:30:00 2024-01-01 08:34:00
## 3 36.345, -78.3905 2024-01-01 10:22:00 2024-01-01 10:22:00 2024-01-01 10:27:00
## 4 36.345, -78.3905 2024-01-01 11:38:00 2024-01-01 11:38:00 2024-01-01 11:44:00
## 5 36.345, -78.3905 2024-01-01 12:33:00 2024-01-01 12:33:00 2024-01-01 12:37:00
## 6 36.345, -78.3905 2024-01-01 14:18:00 2024-01-01 14:18:00 2024-01-01 14:22:00
##              DT.LVREF            DT.ARVREC          DT.AVAILABLE
## 1 2024-01-01 07:07:00 2024-01-01 07:13:00 2024-01-01 07:32:00
## 2 2024-01-01 08:39:00 2024-01-01 08:46:00 2024-01-01 09:00:00
## 3 2024-01-01 10:36:00 2024-01-01 10:39:00 2024-01-01 10:54:00
## 4                <NA>                <NA> 2024-01-01 12:08:00
## 5 2024-01-01 12:38:00 2024-01-01 12:45:00 2024-01-01 12:52:00
## 6 2024-01-01 14:38:00 2024-01-01 14:47:00 2024-01-01 15:11:00
##              REC.NAME   REC.LON  REC.LAT observedTT onSceneDur toHospitalTT
## 1 Maria Parham Hospital -78.44931 36.33089   360 secs   900 secs     360 secs
## 2 Maria Parham Hospital -78.44931 36.33089   240 secs   300 secs     420 secs
## 3 Maria Parham Hospital -78.44931 36.33089   300 secs   540 secs     180 secs
## 4                          NA       NA   360 secs    NA secs      NA secs
## 5 Maria Parham Hospital -78.44931 36.33089   240 secs    60 secs     420 secs
## 6 Maria Parham Hospital -78.44931 36.33089   240 secs   960 secs     540 secs
##   atHospitalDur arriveToClearTime Dist.So Dist.Ce Dist.NN Dist.FN eTT.GL.So
## 1    1140 secs         2400 secs    9258    8434   17426   25709       561
## 2     840 secs         1560 secs    7048    2422   12212   20495       578
## 3     900 secs         1620 secs   10969    5301   12540   20823       759
## 4      NA secs         1440 secs    8781    5068   12307   20590       734
## 5     420 secs          900 secs    8967    1516   12228   20511       770
## 6    1440 secs         2940 secs    7800    2298   13267   21550       696
```

```
##   eTT.GL.Ce eTT.GL.NN eTT.GL.FN eTT.Pe.So eTT.Pe.Ce eTT.Pe.NN eTT.Pe.FN
## 1       411       827      1198       616       440       859      1267
## 2       234       635      1007       650       251       689      1076
## 3       366       752      1124       918       384       796      1217
## 4       298       685      1056      1026       363       784      1193
## 5       191       656      1027       965       220       725      1123
## 6       245       795      1166       890       250       963      1358
##   eTT.BG.So eTT.BG.Ce eTT.BG.NN eTT.BG.FN eTT.Op.So eTT.Op.Ce eTT.Op.NN
## 1       539       406       805      1173       507       372       758
## 2       549       220       633       993       508       210       587
## 3       752       346       743      1127       699       343       728
## 4       770       306       712      1085       679       283       671
## 5       766       181       670      1036       728       187       642
## 6       722       235       815      1186       668       243       753
##   eTT.Op.FN hosp.Dist hosp.GL eTT.Pe.Hosp eTT.BG.Hosp eTT.Op.Hosp
## 1      1097      3151     309         300         271         267
## 2       933      6060     443         489         404         393
## 3      1090      1372     219         222         178         208
## 4      1032        NA      NA          NA          NA          NA
## 5       994      6076     447         557         438         414
## 6      1124      8416     557         661         553         531
```