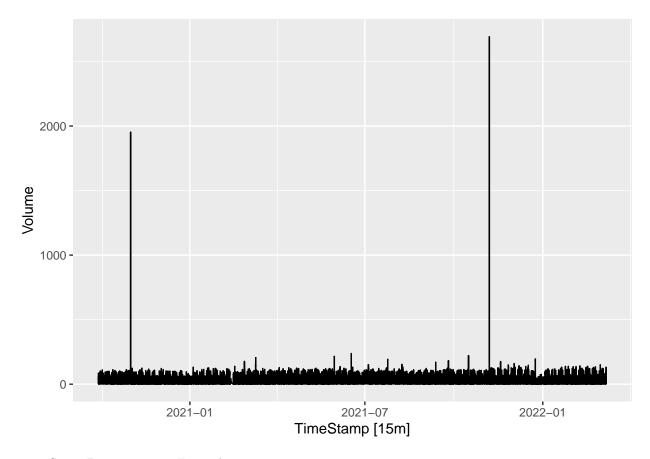
## Final Project Part 2

## 3/26/2022

Here is what the dataset looks like.

```
## # A tsibble: 2,249,353 x 5 [15m] <?>
## # Key:
                 TSSU, Phase [52]
      Volume Travel_Time TSSU Phase TimeStamp
##
##
       <dbl>
                    <dbl> <chr> <int> <dttm>
##
    1
         105
                     1.23 01017
                                     2 2020-09-28 10:00:00
##
    2
         111
                     1.25 01017
                                     2 2020-09-28 10:15:00
##
    3
         105
                     1.32 01017
                                     2 2020-09-28 10:30:00
    4
                                     2 2020-09-28 10:45:00
##
         102
                     1.18 01017
    5
          87
                     1.17 01017
                                     2 2020-09-28 11:00:00
##
##
    6
          68
                     1.08 01017
                                     2 2020-09-28 11:15:00
##
    7
          49
                     1.1 01017
                                     2 2020-09-28 11:30:00
##
          69
                     1.1 01017
                                     2 2020-09-28 11:45:00
##
    9
          44
                     1.03 01017
                                     2 2020-09-28 12:00:00
## 10
          55
                     1.03 01017
                                     2 2020-09-28 12:15:00
         with 2,249,343 more rows
```

There are anomalies which sometimes occur during daylight savings time changes due to an unresolved software bug. Those datapoints can be removed.



Time Series Decomposition Example

STL decomposition

