TPMS

SS

3/16/2017

Odyssey

Distribution of tire IDs

```
## 
## 10111001101001000101100110010100 11001011110111101100110100011100
##                                1                                1
## 11011100110100100010110011001010 11011100110100100100010100001010
##                               96                               83
## 11011101010011001111100101101010 11011101010011010001010111101010
##                               91                               15
## 11011101011100010010000111001100 11111011101111100000111010101010
##                                2                                6
## 11111011101111100001011100011010
##                                6
```

Tire IDs by trip

```
## 
##   10111001101001000101100110010100 11001011110111101100110100011100
## 1                                0                                0
## 2                                1                                1
## 3                                0                                0
## 4                                0                                0
## 5                                0                                0
## 6                                0                                0
## 
##   11011100110100100010110011001010 11011100110100100100010100001010
## 1                               12                                0
## 2                               21                               33
## 3                                1                                1
## 4                               10                                0
## 5                               41                               32
## 6                               11                               17
## 
##   11011101010011001111100101101010 11011101010011010001010111101010
## 1                                5                                1
## 2                               13                                2
## 3                                3                                0
## 4                               15                                0
## 5                               36                               10
## 6                               19                                2
## 
##   11011101011100010010000111001100 11111011101111100000111010101010
## 1                                0                                0
## 2                                0                                6
## 3                                0                                0
## 4                                0                                0
```

```
##   5                                      0                                    0
##   6                                      2                                    0
##
##      111110111011111000010111000011010
##   1                                      0
##   2                                      6
##   3                                      0
##   4                                      0
##   5                                      0
##   6                                      0
```

First 3 bytes, statistical distribution

```
## Byte 1:
## byte
## 00001001 00001010 00001011 01010011 11111010 11111011
##       91      174       32        1        1        2
## Byte 2:
## byte
## 00000011 00000100 00010011 00010100 00100010 00100011 00110011 00110100
##        8       19       14        2        2        6       22        1
## 01000010 01000011 01010010 01010011 01010100 01100011 01100100 01100101
##        5        4        4       25        1       18        7        1
## 01110010 01110011 01110100 10000010 10000011 10010011 10100010 10100011
##        4        6        1        5        7       25        2       15
## 10110010 10110011 11000010 11000011 11000100 11010011 11100010 11100011
##        3       11        4       18        1       15        1       28
## 11110010 11110011
##       10        6
## Byte 3:
## byte
## 00001000 00011000 00011100 00101000 00101101 00111000 01001000 01011000
##       28       24        1       19        2       19        6       14
## 01011101 01101000 01111000 10001000 10011000 10101000 10101101 10110001
##        6        9       12       14        9       31        6        1
## 10111000 11001000 11011000 11101000 11111000
##       43       26       15        4       12
```

Byte 1 by tire ID

```
##
##                                      00001001 00001010 00001011 01010011
##    10111001101001000101100110010100         0        0        0        1
##    11001011110111101100110100011100         0        0        0        0
##    11011100110100100010110011001010        63       33        0        0
##    11011100110100100100010100001010        11       51       21        0
##    11011101010011001111100101101010        17       74        0        0
##    11011101010011010001010111101010         0        4       11        0
##    11011101011100010010000111001100         0        0        0        0
##    11111011110111110000011101010101010      0        6        0        0
##    111110111011111000010111000011010        0        6        0        0
##
##                                      11111010 11111011
##    10111001101001000101100110010100         0        0
##    11001011110111101100110100011100         1        0
##    11011100110100100010110011001010         0        0
```
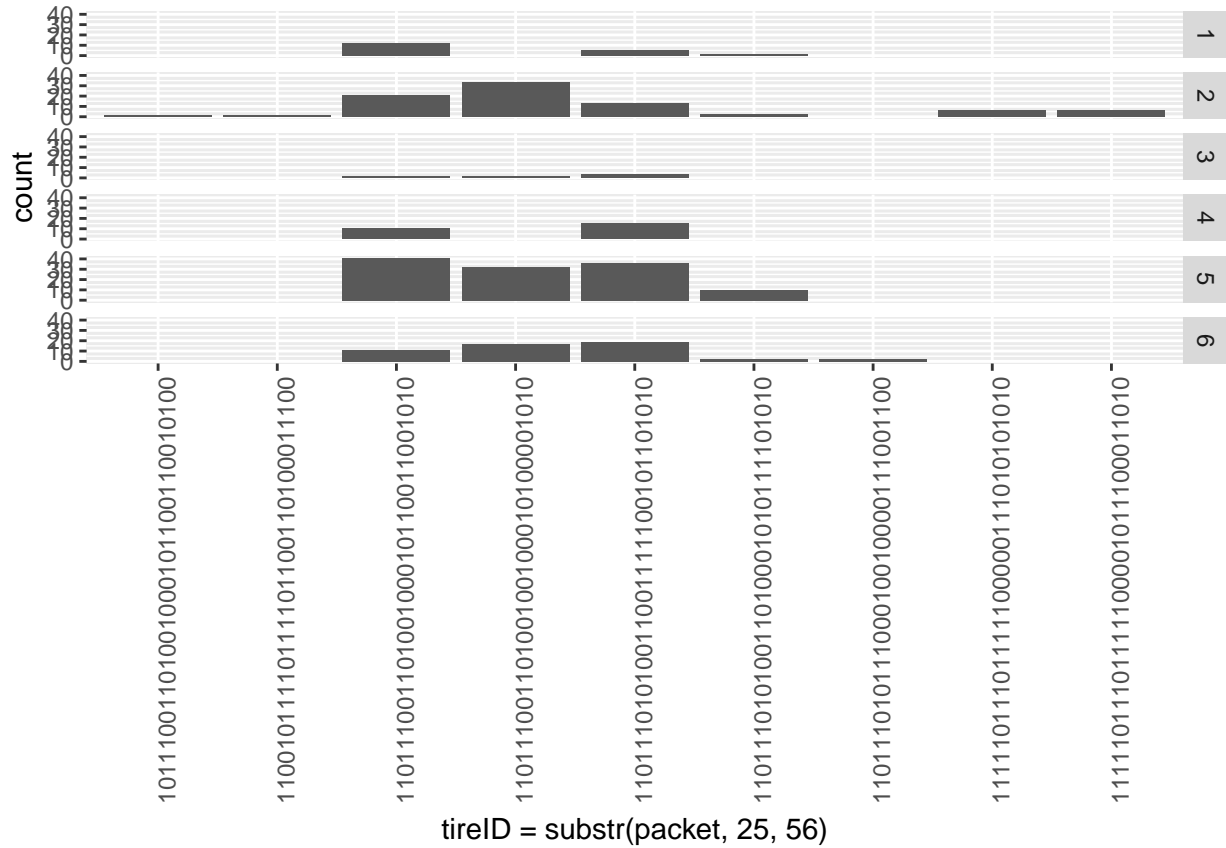
```
##   110111001101001001000101000001010              0              0
##   110111010100110011111100101101010              0              0
##   110111010100110100010101011101010              0              0
##   110111010111000100100001111001100              0              2
##   111110111011111000001110101010101010           0              0
##   111110111011111000010111100011010             0              0
```

Tire ID by trip

tireID = substr(packet, 25, 56)

Preamble by trip

count

preamble