Accident Rate


```
|Day |Cases    | Number of people| percentage|
|:---|:--------|----------------:|----------:|
|Sun |Accident |              618|    17.769%|
|Mon |Accident |              502|    14.434%|
|Tue |Accident |              434|    12.478%|
|Wed |Accident |              496|    14.261%|
|Thu |Accident |              508|    14.606%|
|Fri |Accident |              422|    12.133%|
|Sat |Accident |              498|    14.319%|
```
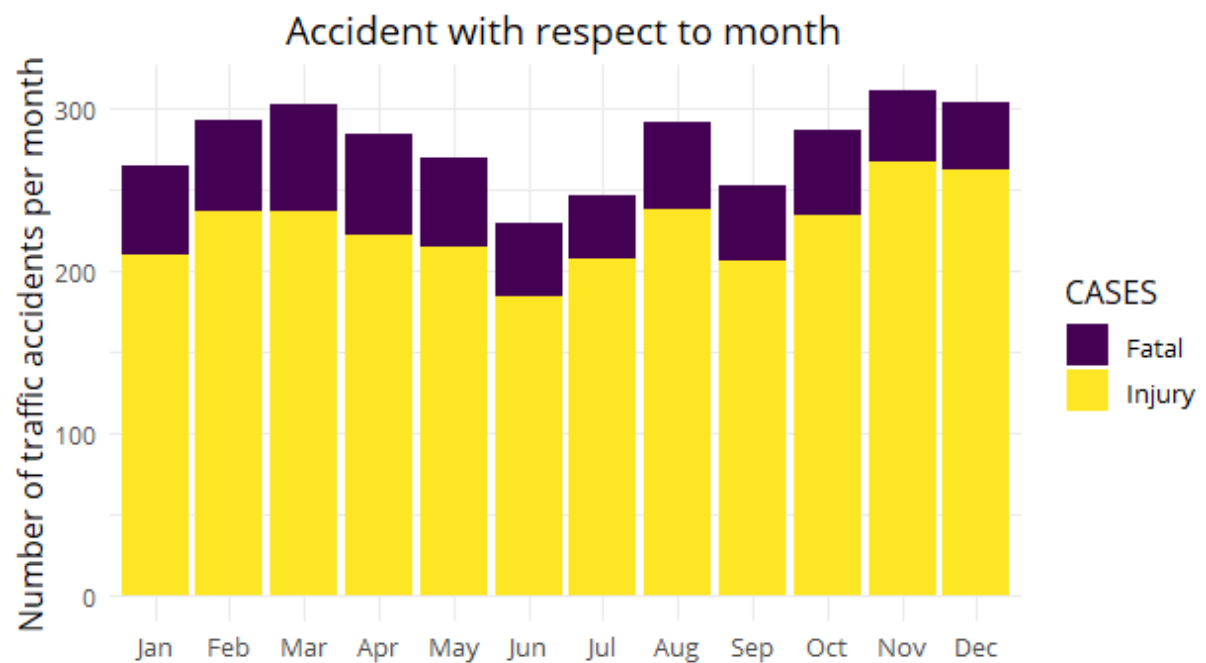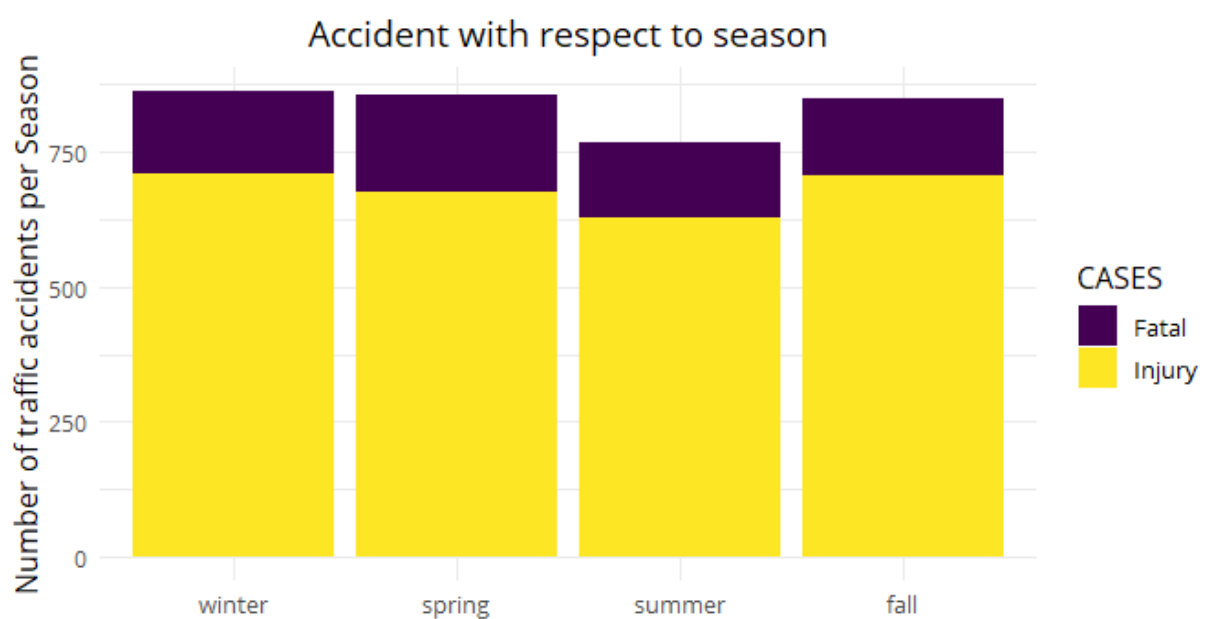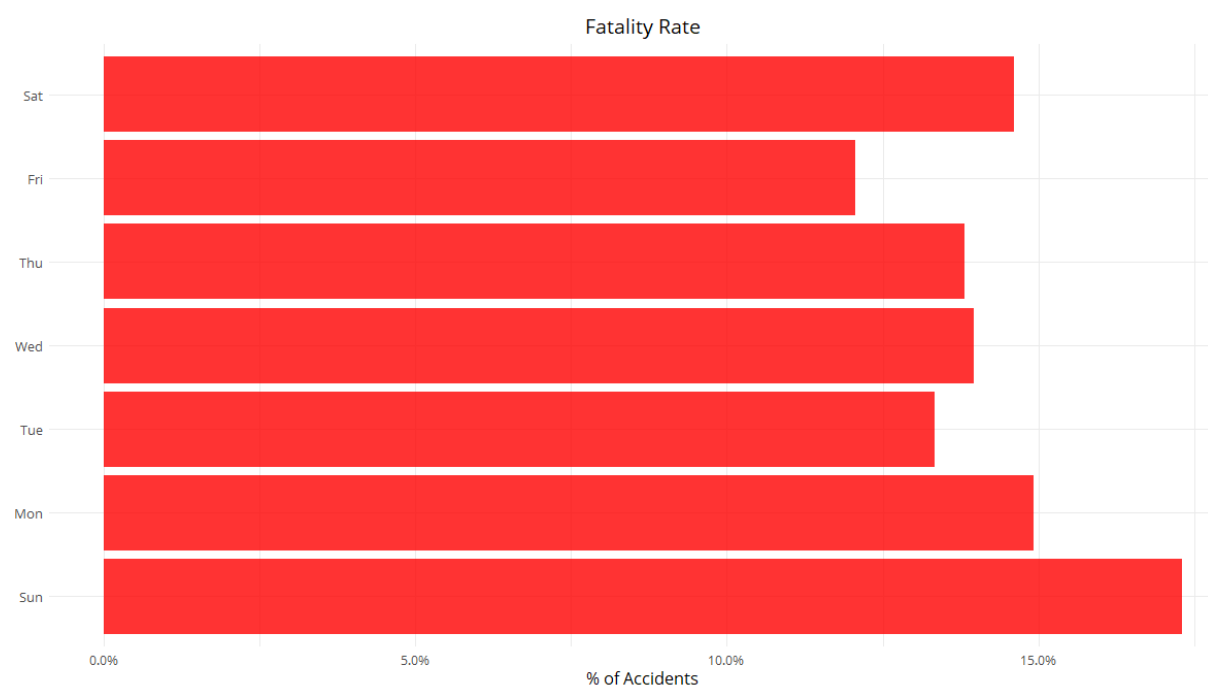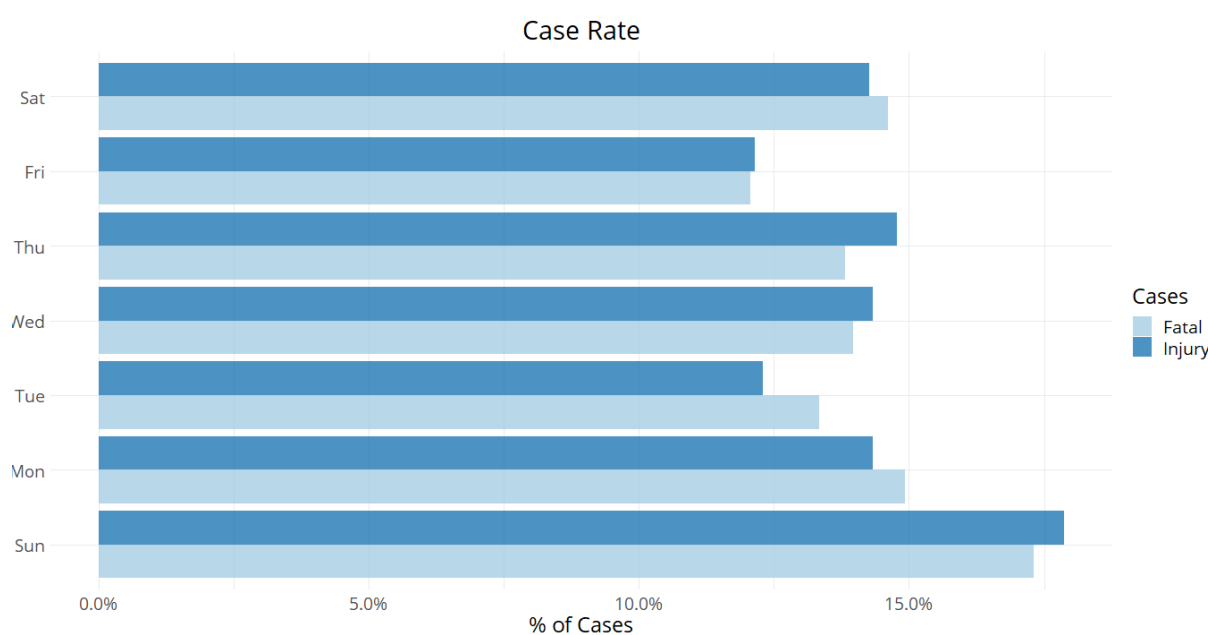
Accident with respect to month

	month	n
1	Nov	311
2	Dec	304
3	Mar	302
4	Feb	293
5	Aug	291
6	Oct	286
7	Apr	284
8	May	269
9	Jan	265
10	Sep	252
11	Jul	246
12	Jun	229

Accident with respect to season

Fatality Rate


```
|Day |Cases | Number of people| percentage|
|:---|:-----|----------------:|----------:|
|Sun |Fatal |              109|     17.30%|
|Mon |Fatal |               94|     14.92%|
|Tue |Fatal |               84|     13.33%|
|Wed |Fatal |               88|     13.97%|
|Thu |Fatal |               87|     13.81%|
|Fri |Fatal |               76|     12.06%|
|Sat |Fatal |               92|     14.60%|
```
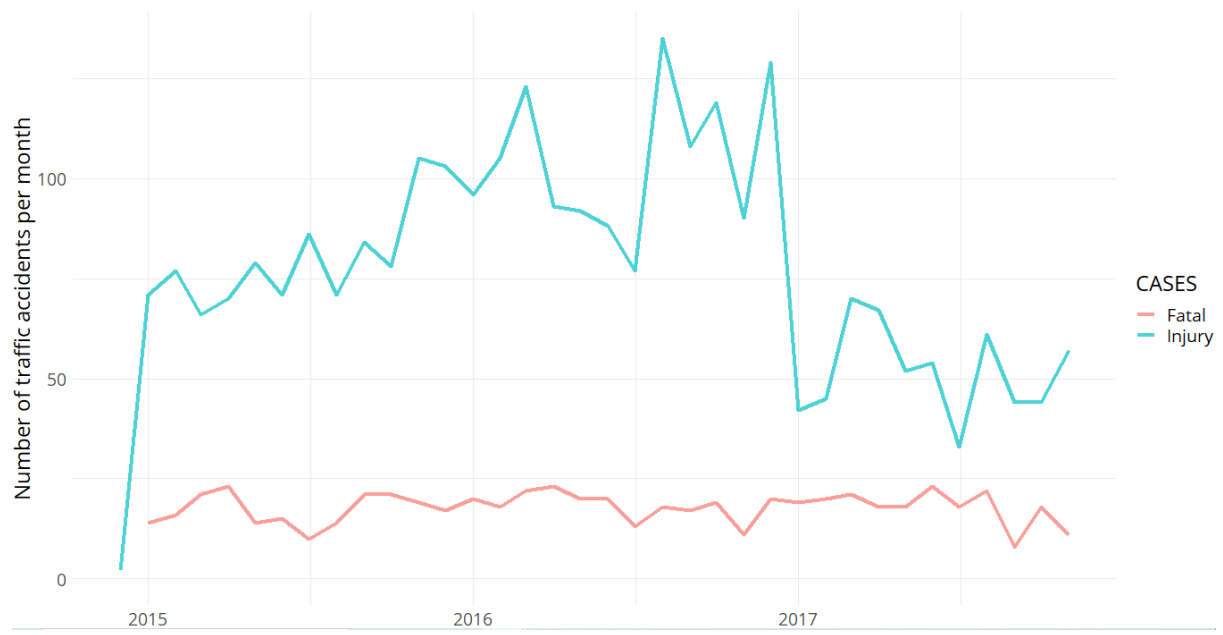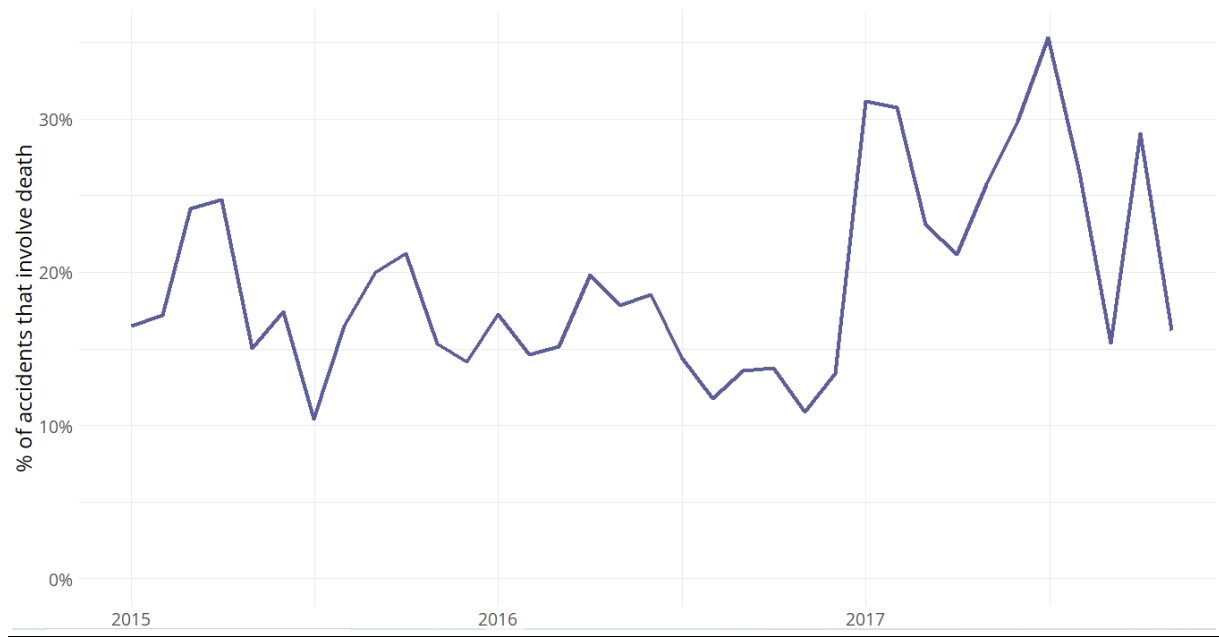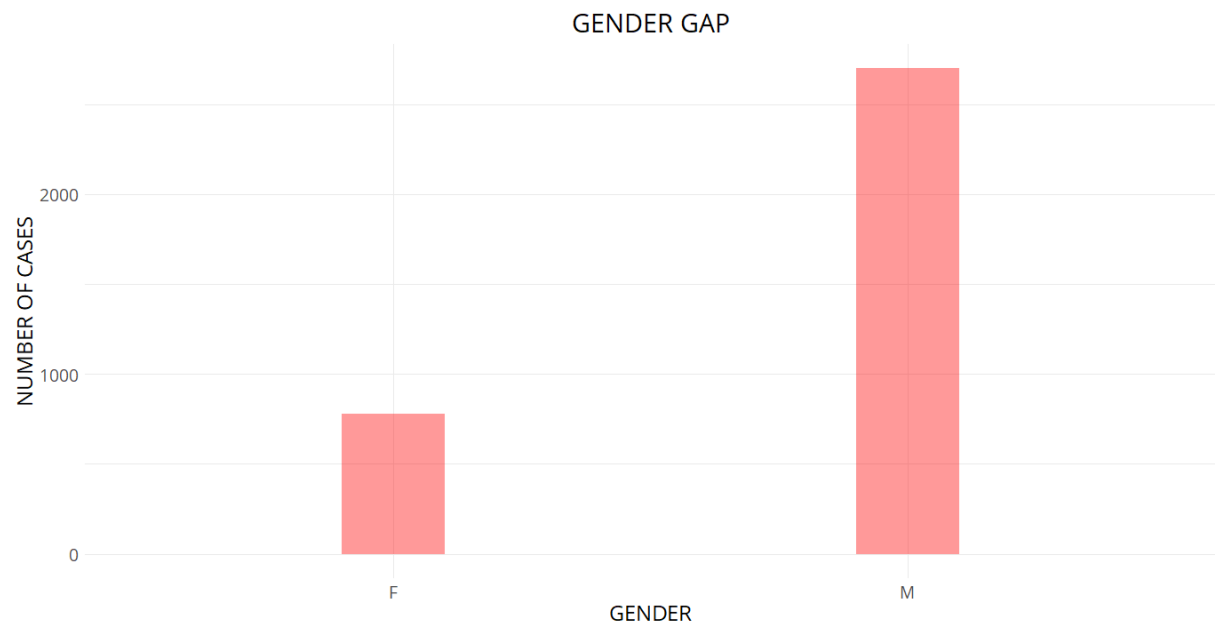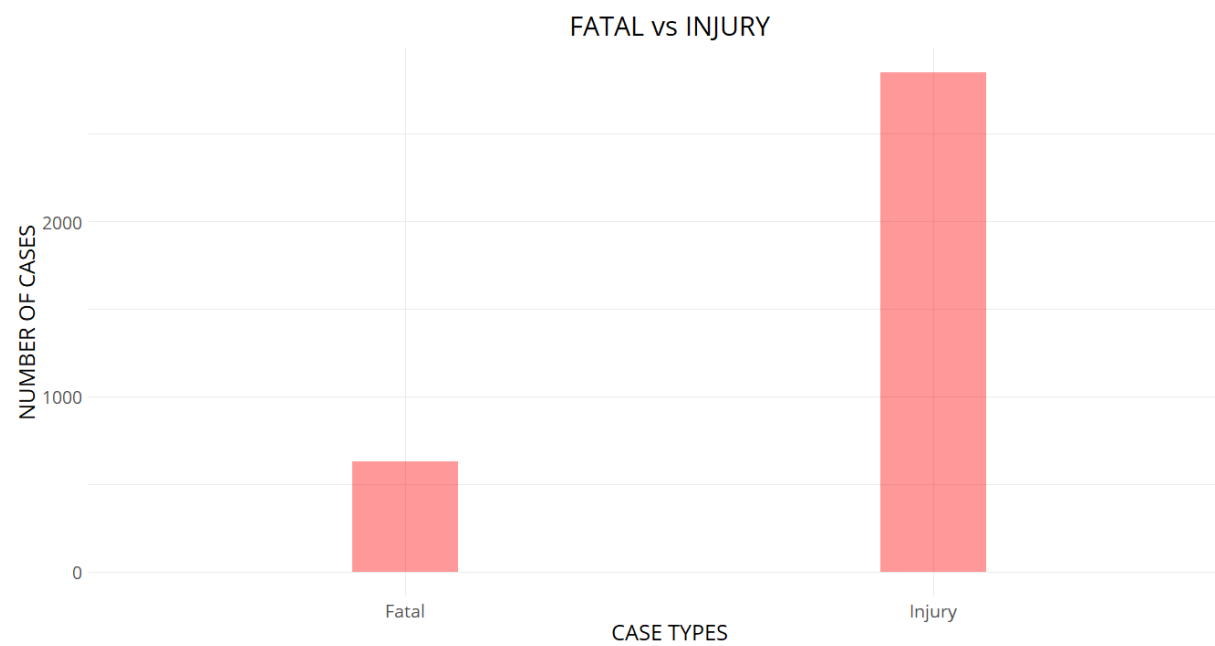
Case Rate

GENDER GAP

NUMBER OF CASES

F   M

GENDER

```
# A tibble: 2 x 2        # A tibble: 2 x 2
  GENDER      n            CASES        n
  <fct>    <int>           <fct>     <int>
1 F          778         1 Fatal      629
2 M         2699         2 Injury    2848
```

FATAL vs INJURY

NUMBER OF CASES

Fatal   Injury

CASE TYPES
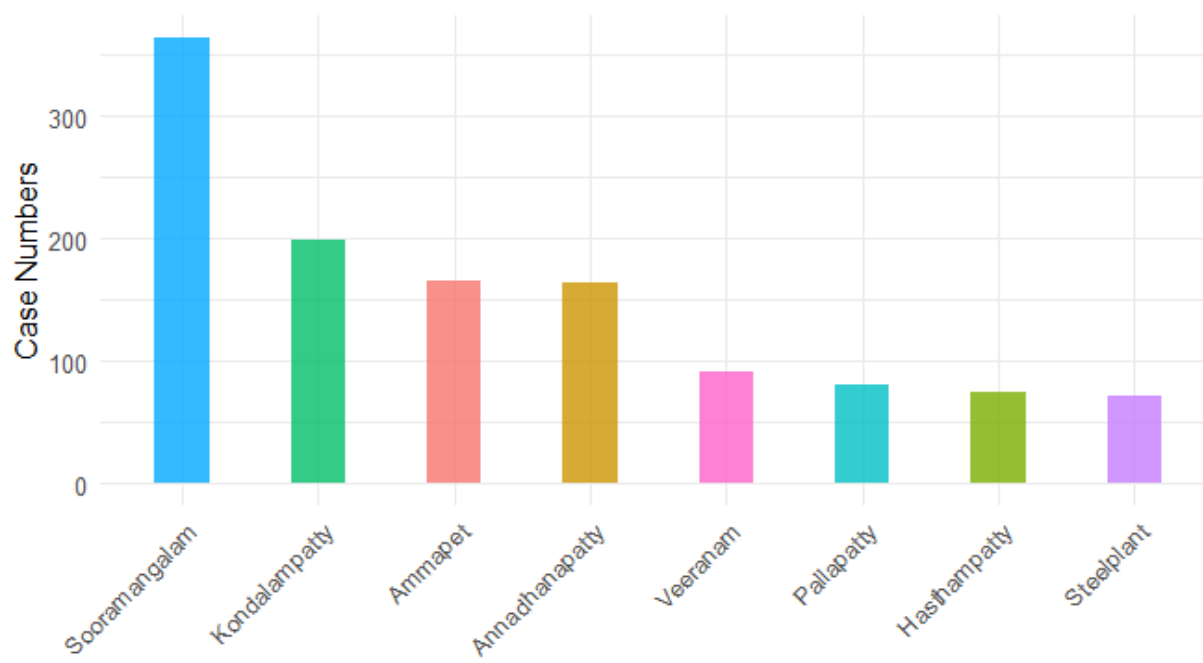
STATION: -

STATION	CASES	% of CASES
Sooramangalam	364	24.026%
Kondalampatty	198	13.069%
Ammapet	166	10.957%
Annadhanapatty	164	10.825%
Veeranam	91	6.007%
Pallapatty	80	5.281%
Hasthampatty	74	4.884%
Steelplant	71	4.686%
Salem Town	46	3.036%
kitchipalayam	42	2.772%
Shevapet	42	2.772%
Kannankurichi	38	2.508%
Town	35	2.310%
Fairlands	30	1.980%
Alagapuram	17	1.122%
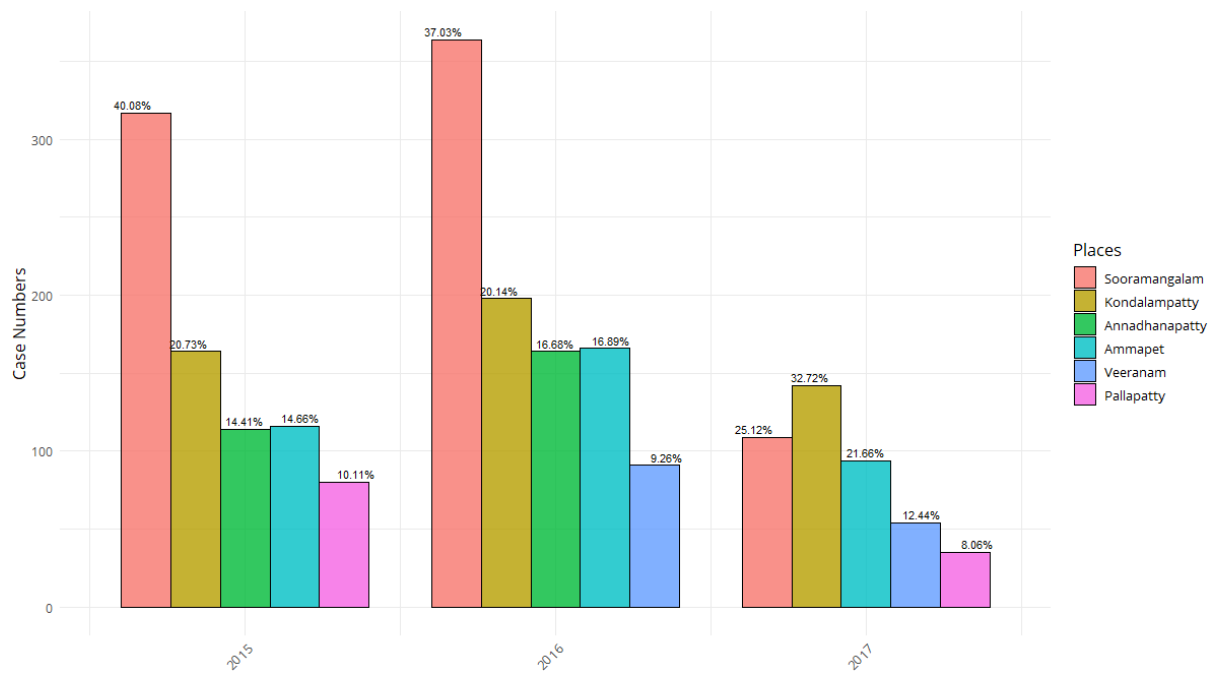
. YEAR	PLACE	CASES	
2015	Sooramangalam	317	
2015	Kondalampatty	164	
2015	Ammapet	116	
2015	Annadhanapatty	114	
2015	Pallapatty	80	
2016	Sooramangalam	364	
2016	Kondalampatty	198	
2016	Ammapet	166	
2016	Annadhanapatty	164	
2016	Veeranam	91	
2017	Kondalampatty	142	
2017	Sooramangalam	109	
2017	Ammapet	94	
2017	Veeranam	54	
2017	Pallapatty	35	
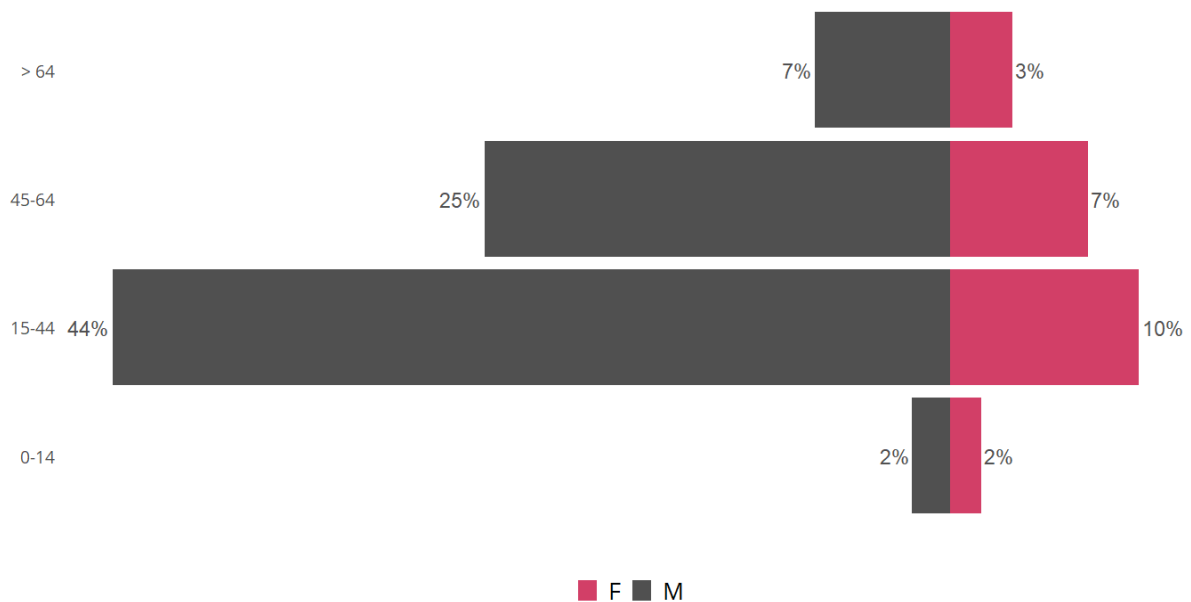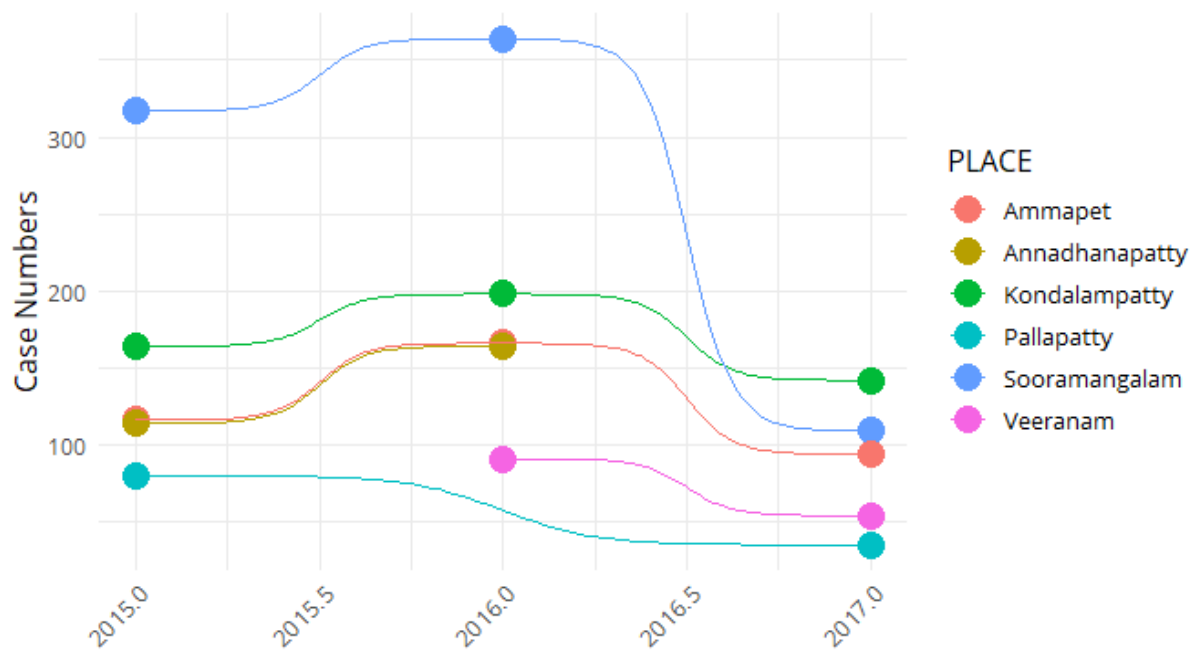
Time at which the accident occurred: -

For year 2016: -

YEAR	time_period	Number of CASES	% of CASES
2016	MOH	234	12.94%
2016	AN	334	18.47%
2016	EOH	401	22.18%
2016	N	190	10.51%

For year 2017: -

YEAR time_period Number of CASES % of CASES

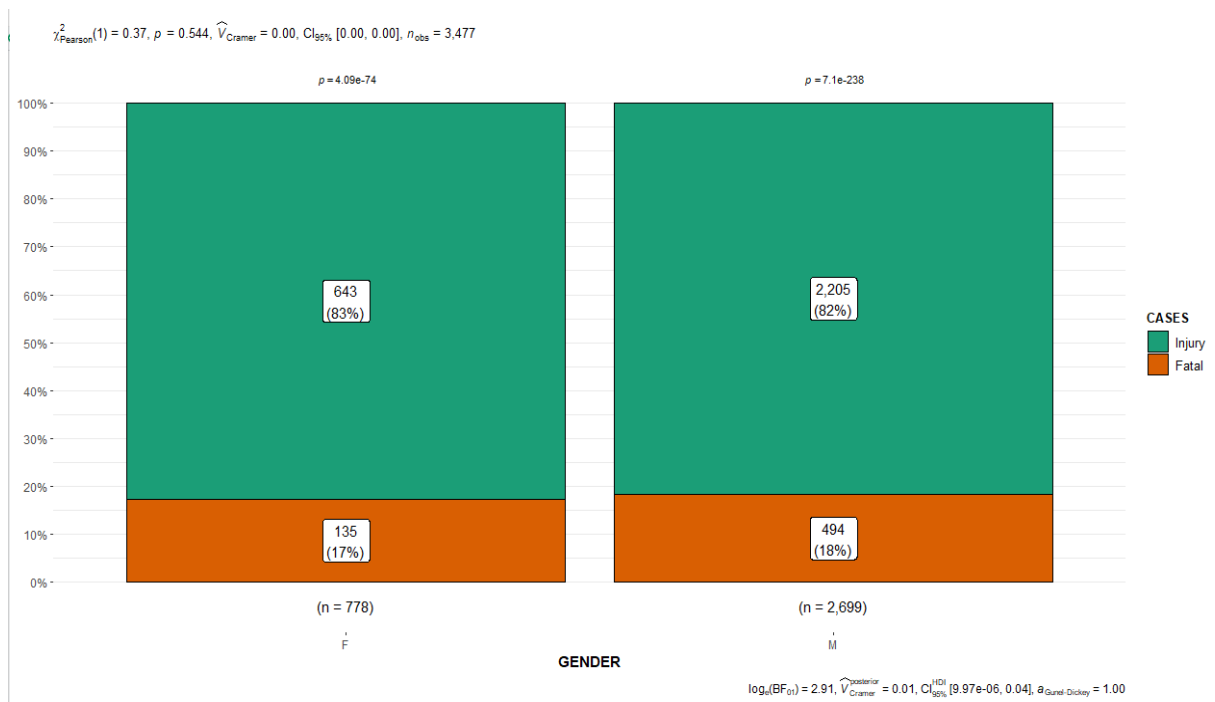| YEAR	time_period	Number of CASES	% of CASES
2017	MOH	134	7.41%
2017	AN	199	11.01%
2017	EOH	213	11.78%
2017	N	103	5.70%

Morning office Hours -   MOH   7:00 – 10:00

Afternoon   -   AN   10:00 – 16:00

Evening Office Hours   - EOH   16:00 - 21:00

Night   -   N   21:00 – 7:00

AGE vs CASES

$\chi^2_{Pearson}(1) = 0.37$, $p = 0.544$, $\widehat{V}_{Cramer} = 0.00$, $CI_{95\%}$ [0.00, 0.00], $n_{obs} = 3,477$

$\log_e(BF_{01}) = 2.91$, $\widehat{V}^{posterior}_{Cramer} = 0.01$, $CI^{HDI}_{95\%}$ [9.97e-06, 0.04], $a_{Gunel-Dickey} = 1.00$

$\chi^2_{Pearson}(3) = 29.64$, $p = 1.64e{-}06$, $\widehat{V}_{Cramer} = 0.12$, $CI_{95\%}$ [0.07, 0.16], $n_{obs} = 1{,}809$

$p = 1.35e{-}05$ $p = 1.17e{-}103$ $p = 1.15e{-}50$ $p = 5.49e{-}08$

CASES
Injury
Fatal

29 (88%)   821 (85%)   484 (81%)   142 (69%)

64 (31%)

4 (12%)   148 (15%)   117 (19%)

(n = 33)   (n = 969)   (n = 601)   (n = 206)

0-14   15-44   45-64   > 64

age_group

$\log_e(BF_{01}) = -5.73$, $\widehat{V}^{posterior}_{Cramer} = 0.13$, $CI^{HDI}_{95\%}$ [0.08, 0.18], $a_{Gunel\text{-}Dickey} = 1.00$

There is significance between the age group and CASES.