Univariate descriptive statistics of our data after missing treatment
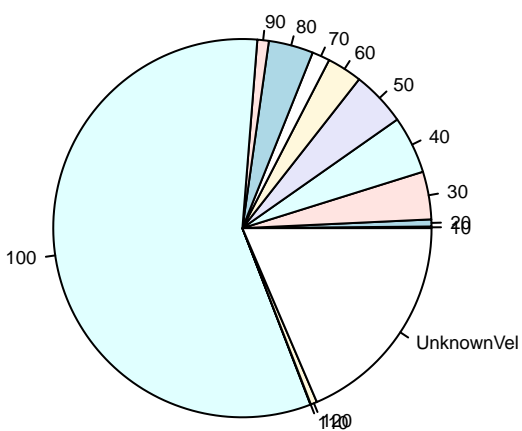
Group 5 MD

2022-09-29
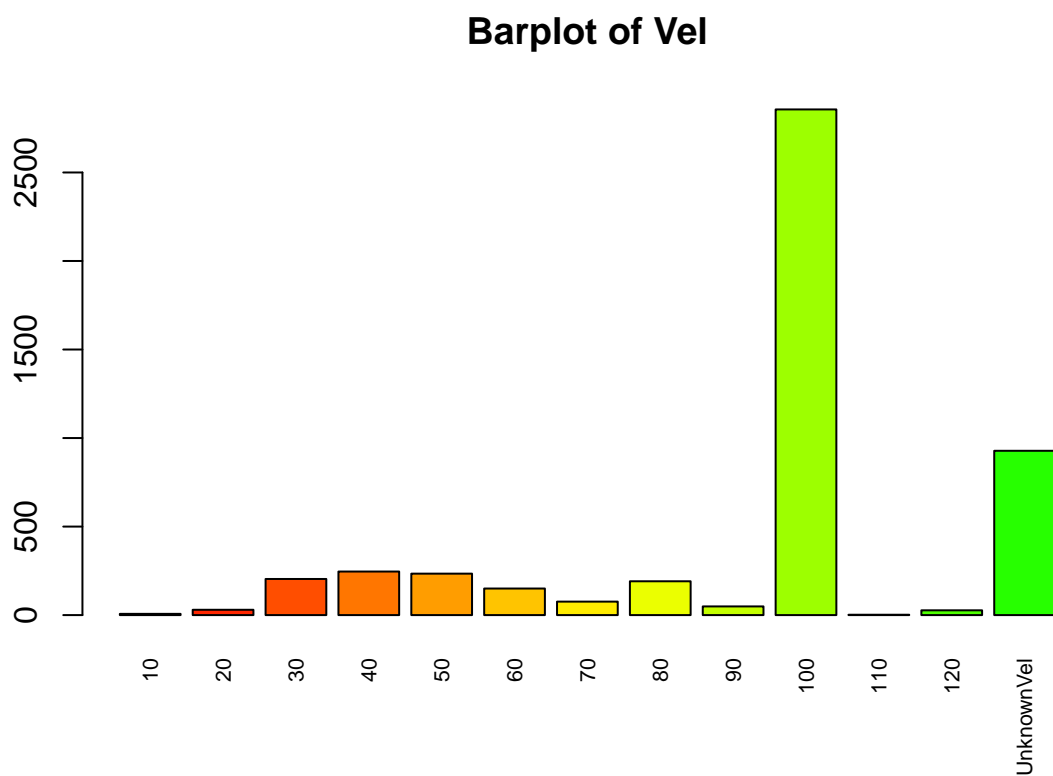
In this document, we provide the basic statistics and plots of the affected variables of our accidents database AFTER treating the missing values.

Basic descriptive analysis of our variables after missings treatment:

Variable 12 : Vel

Pie of Vel

Barplot of Vel

Number of modalities: 13

Table 1: Vel frequency table (sorted)

Vel	Frequency
100	2856
UnknownVel	928
40	246
50	234
30	204
80	191
60	150
70	76
90	49
20	30
120	27
10	7
110	2

Table 2: Vel relative frequency table of proportions (sorted)

Vel	Proportion
100	0.5712
UnknownVel	0.1856

Vel	Proportion
40	0.0492
50	0.0468
30	0.0408
80	0.0382
60	0.0300
70	0.0152
90	0.0098
20	0.0060
120	0.0054
10	0.0014
110	0.0004

Variable 13 : Escaped

Pie of Escaped

No

Yes
UnknownEscaped

Barplot of Escaped
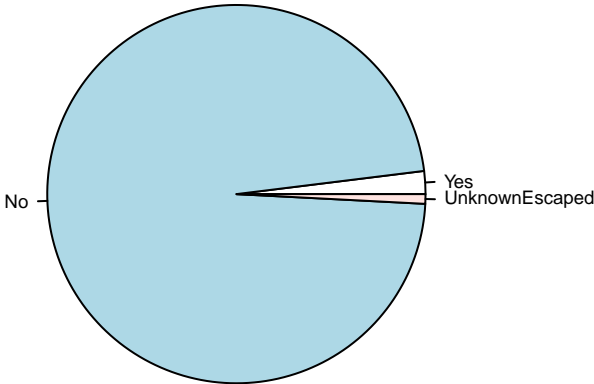
Number of modalities: 3

Table 3: Escaped frequency table (sorted)

Escaped	Frequency
No	4861
Yes	98
UnknownEscaped	41

Table 4: Escaped relative frequency table of proportions (sorted)

Escaped	Proportion
No	0.9722
Yes	0.0196
UnknownEscaped	0.0082

Pie of Weather

Barplot of Weather
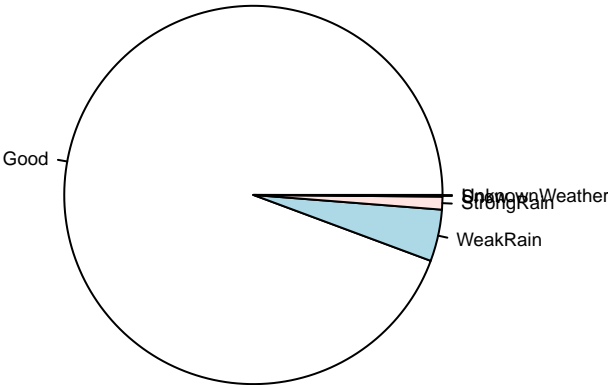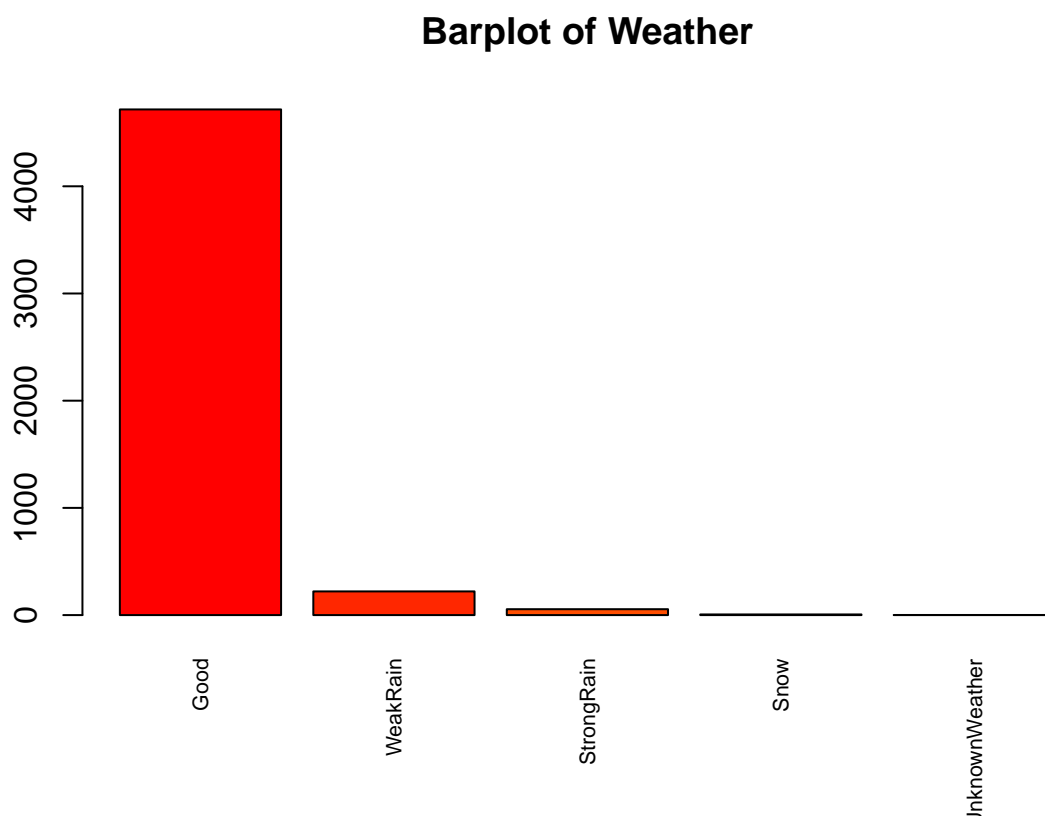
Number of modalities: 5

Table 5: Weather frequency table (sorted)

Weather	Frequency
Good	4717
WeakRain	221
StrongRain	55
Snow	6
UnknownWeather	1

Table 6: Weather relative frequency table of proportions (sorted)

Weather	Proportion
Good	0.9434
WeakRain	0.0442
StrongRain	0.0110
Snow	0.0012
UnknownWeather	0.0002

Variable 15 : TrafficInf

Pie of TrafficInf

No

Yes
UnknownTrafficInf

Barplot of TrafficInf
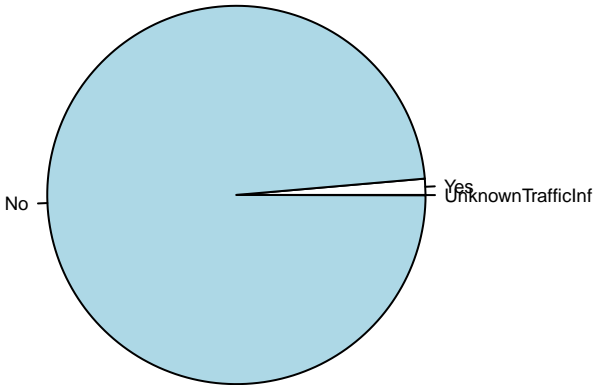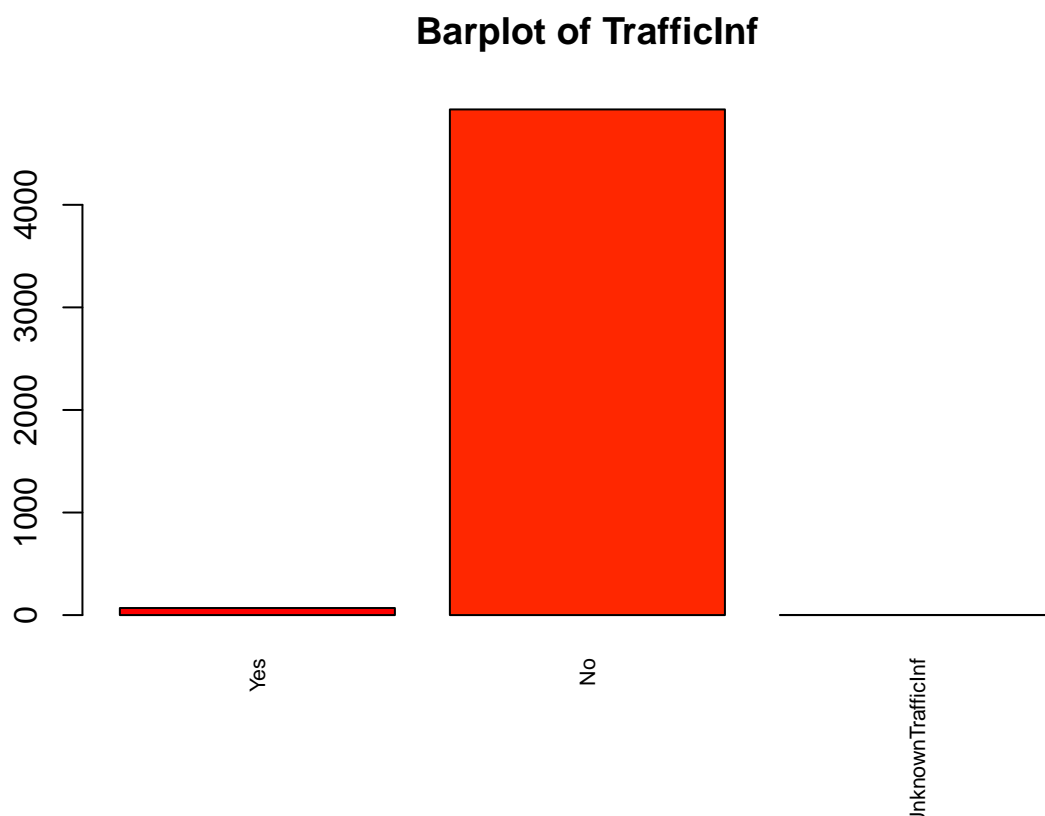
Number of modalities: 3

Table 7: TrafficInf frequency table (sorted)

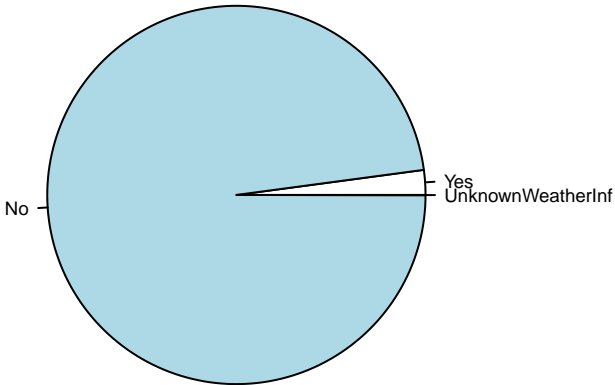| TrafficInf	Frequency
No	4930
Yes	69
UnknownTrafficInf	1

Table 8: TrafficInf relative frequency table of proportions (sorted)

TrafficInf	Proportion
No	0.9860
Yes	0.0138
UnknownTrafficInf	0.0002

Variable 16 : WeatherInf

Pie of WeatherInf

No — Yes — UnknownWeatherInf

Barplot of WeatherInf
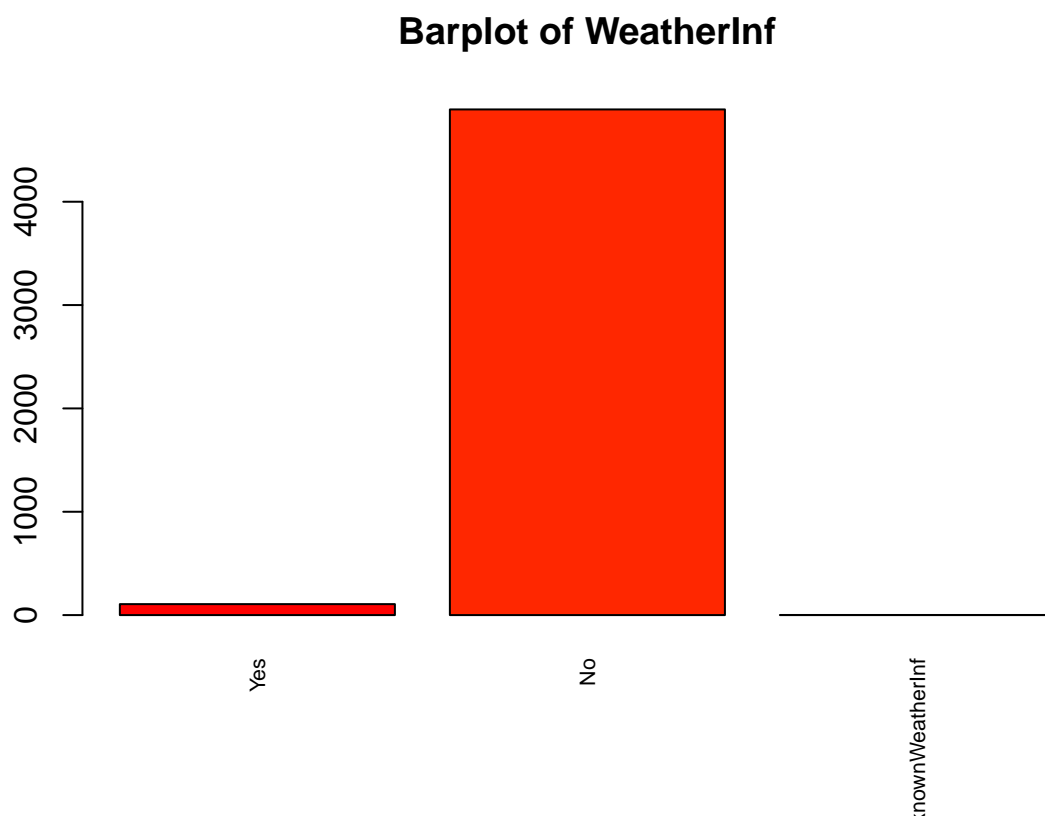
Number of modalities: 3

Table 9: WeatherInf frequency table (sorted)
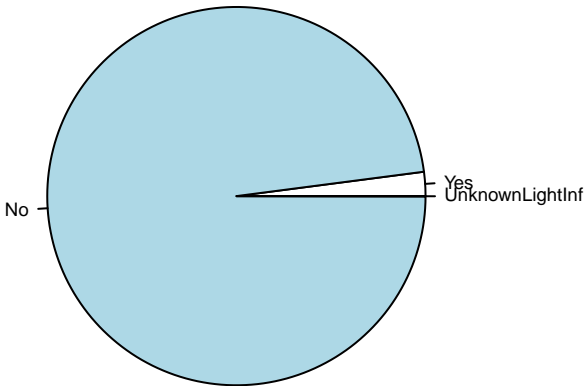
WeatherInf	Frequency
No	4893
Yes	106
UnknownWeatherInf	1

Table 10: WeatherInf relative frequency table of proportions (sorted)

WeatherInf	Proportion
No	0.9786
Yes	0.0212
UnknownWeatherInf	0.0002

Variable 17 : LightInf

Pie of LightInf

No

Yes
UnknownLightInf

Barplot of LightInf
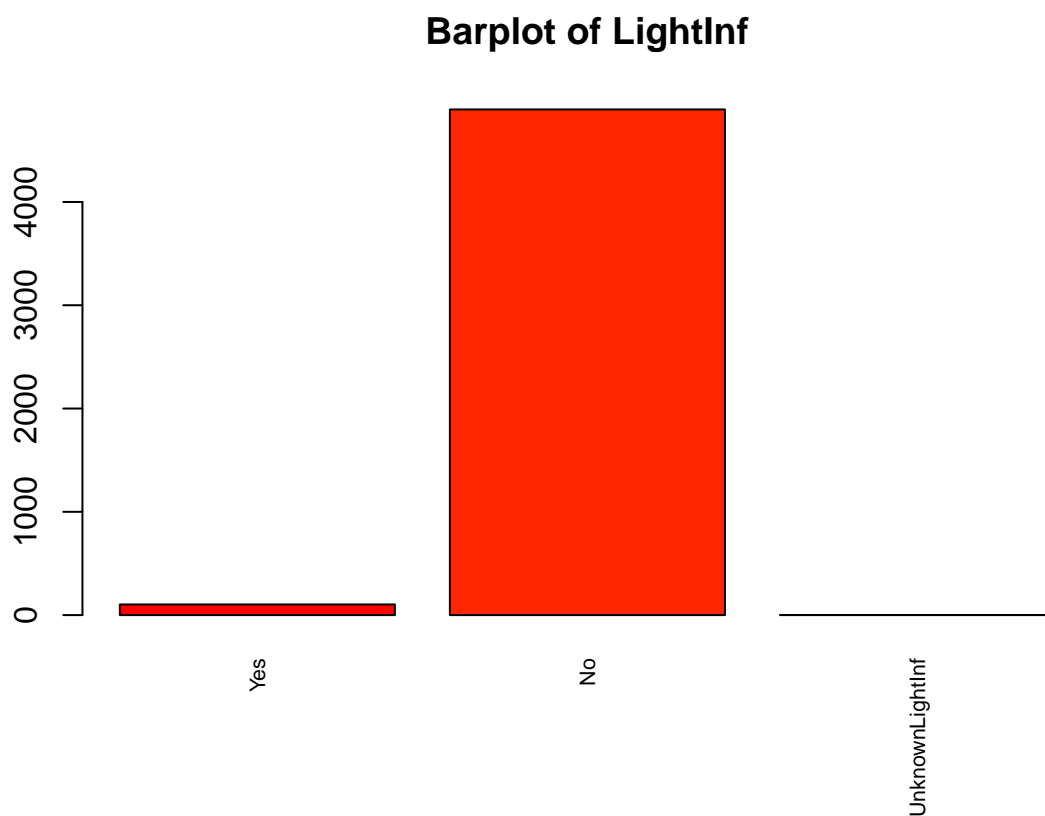
Number of modalities: 3

Table 11: LightInf frequency table (sorted)

LightInf	Frequency
No	4896
Yes	103
UnknownLightInf	1

Table 12: LightInf relative frequency table of proportions (sorted)

LightInf	Proportion
No	0.9792
Yes	0.0206
UnknownLightInf	0.0002

Variable 18 : VisionInf

Pie of VisionInf

Barplot of VisionInf
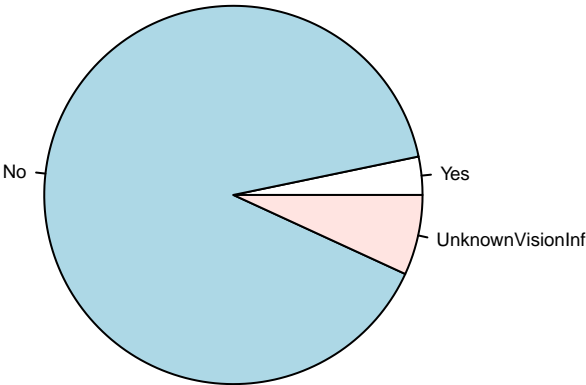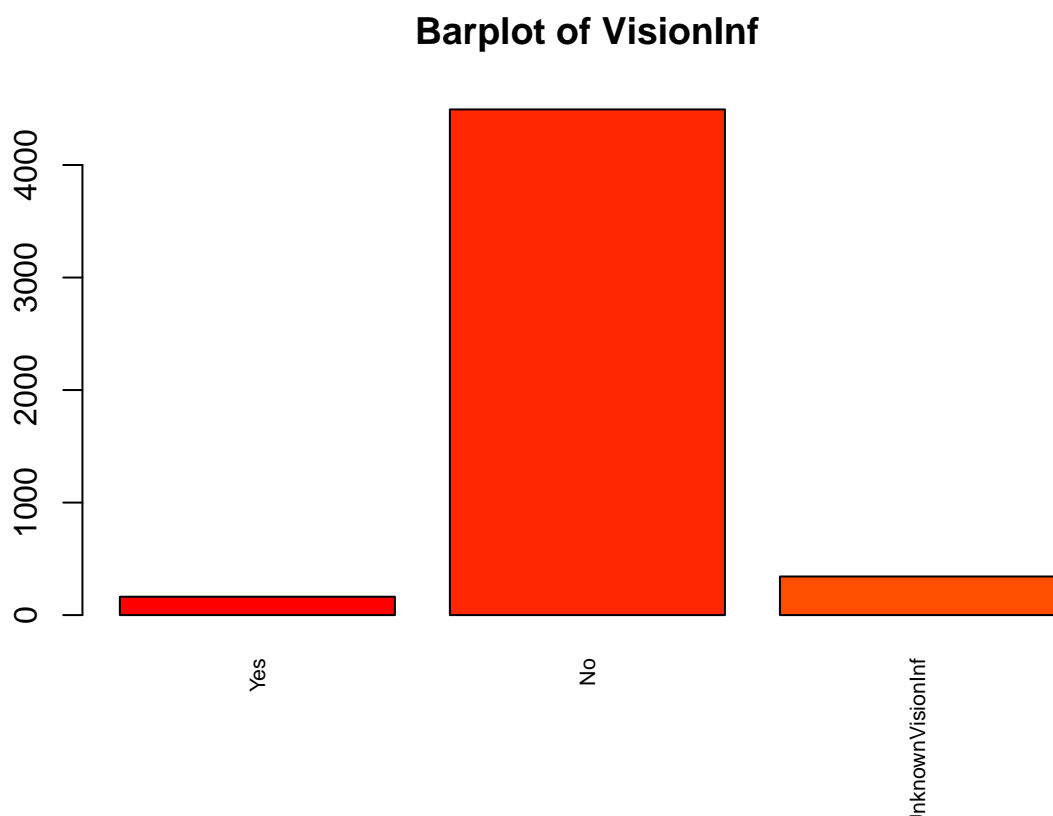
Number of modalities: 3

Table 13: VisionInf frequency table (sorted)

VisionInf	Frequency
No	4494
UnknownVisionInf	343
Yes	163

Table 14: VisionInf relative frequency table of proportions (sorted)

VisionInf	Proportion
No	0.8988
UnknownVisionInf	0.0686
Yes	0.0326

Variable 20 : Surface

Pie of Surface

Barplot of Surface
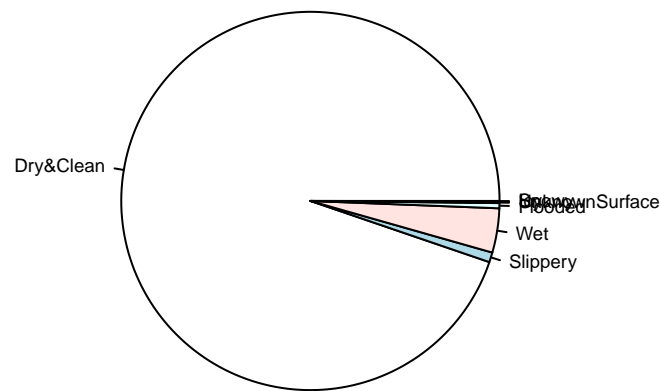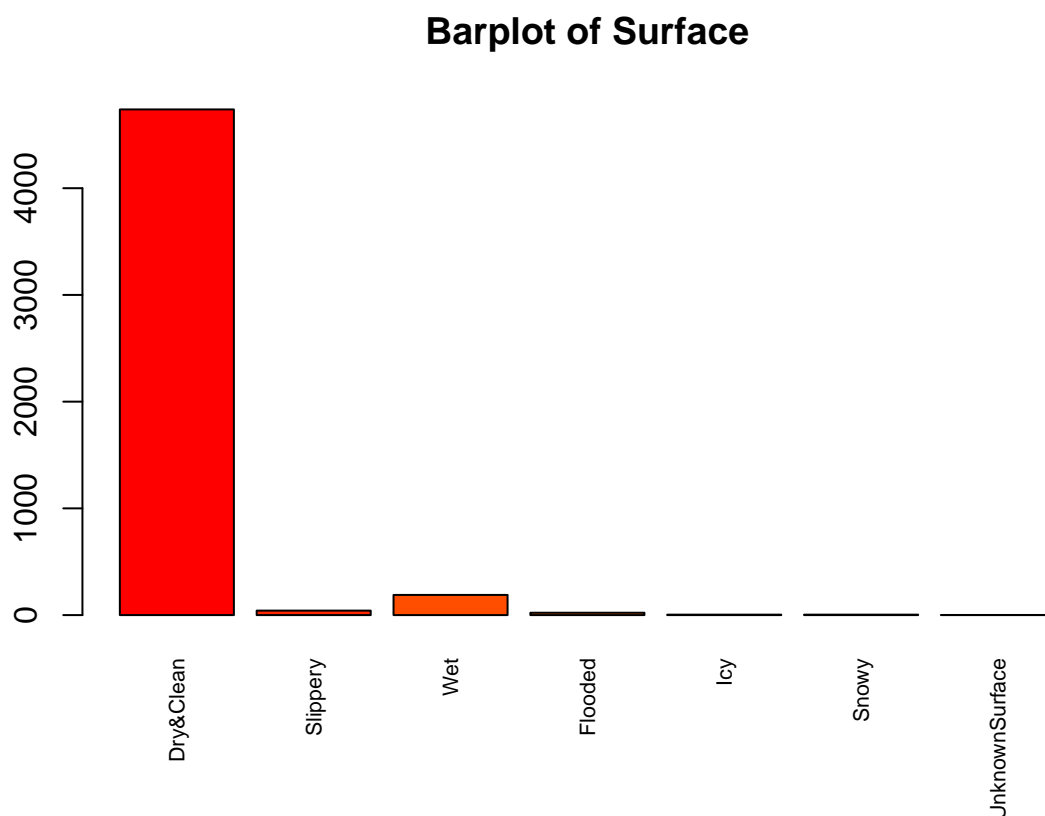
Number of modalities: 7

Table 15: Surface frequency table (sorted)

Surface	Frequency
Dry&Clean	4738
Wet	189
Slippery	42
Flooded	22
Icy	4
Snowy	4
UnknownSurface	1

Table 16: Surface relative frequency table of proportions (sorted)

Surface	Proportion
Dry&Clean	0.9476
Wet	0.0378
Slippery	0.0084
Flooded	0.0044
Icy	0.0008
Snowy	0.0008
UnknownSurface	0.0002