

clean_data

2024-01-20

```
cyclists_collisions$DATE <- as.Date(cyclists_collisions$DATE)
cyclists_collisions <- cyclists_collisions %>% arrange(Date)
col_seasons <- cyclists_collisions %>% mutate(MONTH = month(Date), SEASON = case_when(month(Date) %in% c(12, 1, 2, 3) ~ "Winter",
month(Date) %in% c(4, 5, 6) ~ "Spring",
month(Date) %in% c(7, 8, 9) ~ "Summer",
month(Date) %in% c(10, 11) ~ "Fall"))
cyclists_collisions <- col_seasons

total_accidents <- cyclists_collisions %>% group_by(SEASON) %>% summarise(count=n())

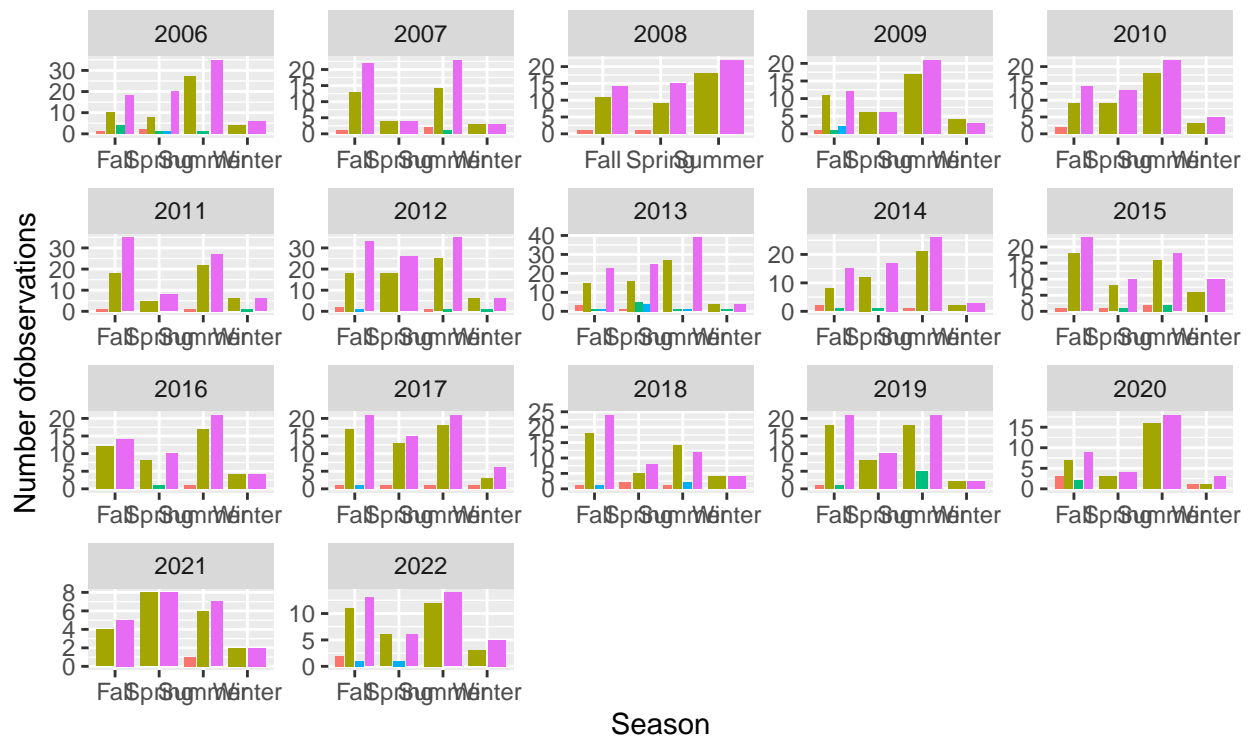
years <- cyclists_collisions %>% group_by(YEAR = format(Date, "%Y"))

kable(total_accidents, booktabs = TRUE, col.names = c("Season", "Count"), caption = 'number of cyclist collisions by season')
```

Table 1: number of cyclist collisions each season

| Season | Count |
|--------|-------|
| Fall | 574 |
| Spring | 374 |
| Summer | 713 |
| Winter | 134 |

```
level_injury <- data.frame(season= cyclists_collisions$SEASON, injury = cyclists_collisions$INJURY, data)
```



```
## # A tibble: 435 x 3
##   YYYY    INJURY  count
##   <chr>  <chr>    <int>
## 1 2006-02 Major      2
## 2 2006-02 None      3
## 3 2006-03 Major      1
## 4 2006-03 None      1
## 5 2006-04 Fatal      2
## 6 2006-04 Major      3
## 7 2006-04 Minimal    1
## 8 2006-04 Minor      1
## 9 2006-04 None     15
##10 2006-05 Major      4
## # i 425 more rows
```

