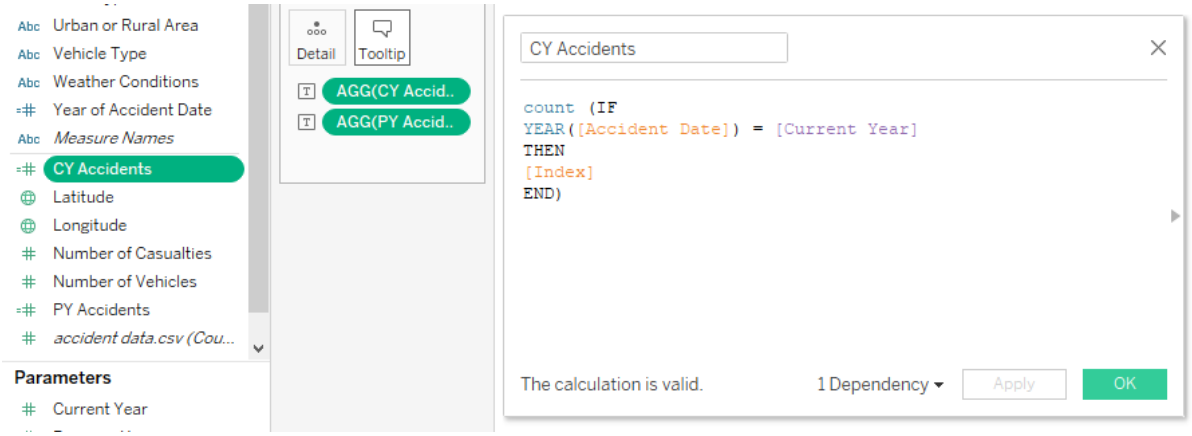
Dashboard KPIs

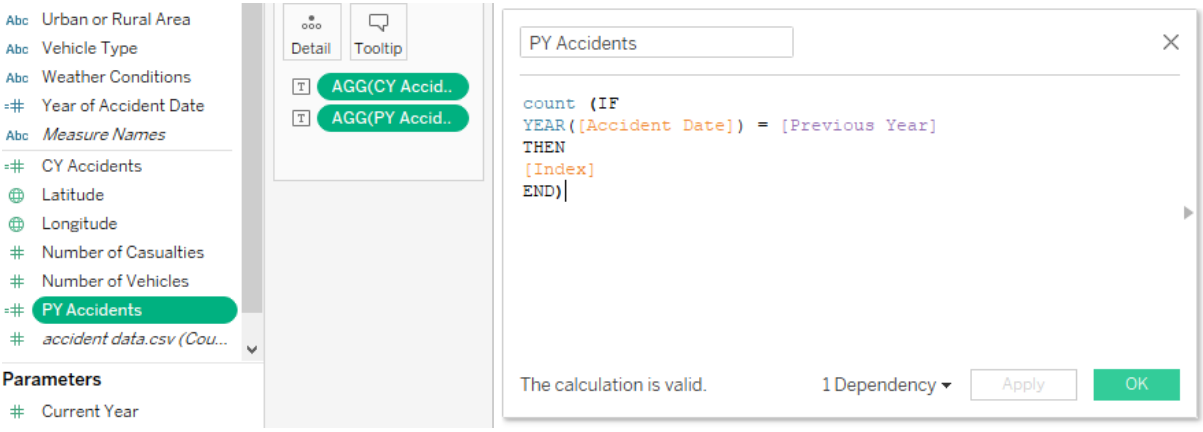
1. First, we develop the calculations for the dashboard.

- ***Calculation for Current Year (CY) Accidents***

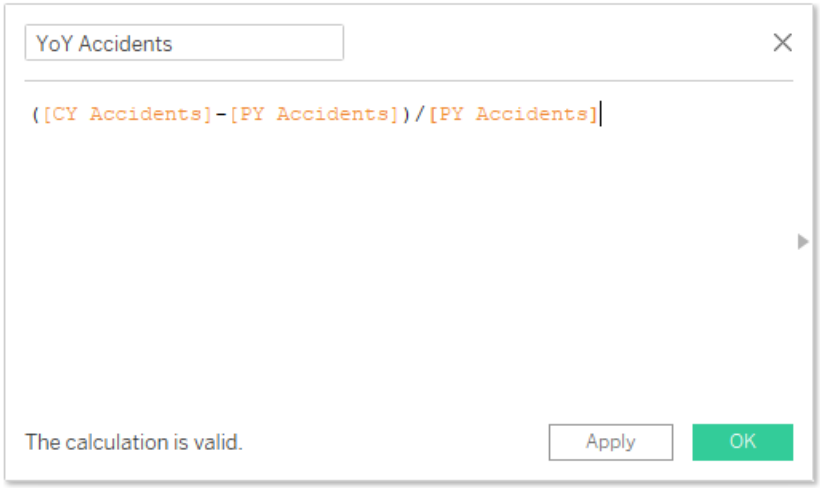


Meaning, the year of accident date should be equal to the current year. Eg. If the current date is 2022, then the accident date should be equal to 2022.

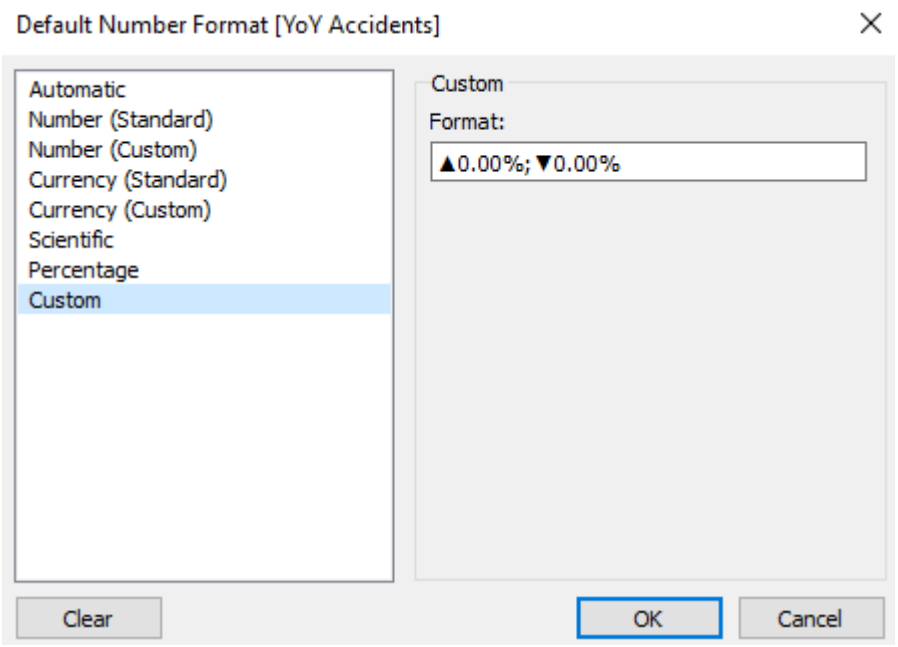
- ***Calculation for Previous Year (CY) Accidents***



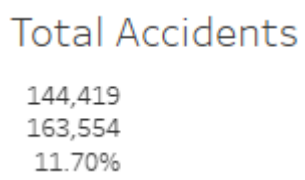
- ***YoY Accidents***



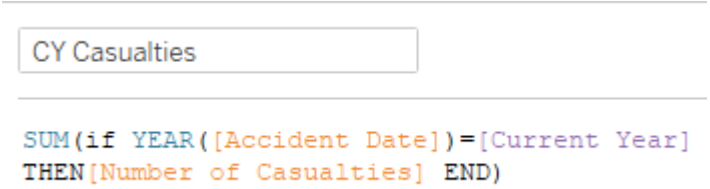
Change the number format property of YoY accident so as to display values as a % instead of



▲0.00%(for digits before decimal); ▼0.00%(for digits after decimal)



- ***CY Casualties***



- ***CY Fatal Casualties***

Calculation for Current Year (CY) Fatal Casualties

CY Fatal Casualties

```
SUM(IF [Accident Severity]='Fatal'
and YEAR([Accident Date]) = [Current Year]
THEN [Number of Casualties] END)
```

- ***PY Fatal Casualties***

Calculation for Previous Year (PY) Fatal Casualties

PY Fatal Casualties

```
SUM(IF [Accident Severity]='Fatal'
and YEAR([Accident Date]) = [Previous Year]
THEN [Number of Casualties] END)
```

- ***YoY Fatal Casualties***

Calculation for Year on Year (YoY) Fatal Casualties

YoY Fatal Casualties

```
([CY Fatal Casualties]-[PY Fatal Casualties])/[PY Fatal Casualties]
```

- ***CY Serious Casualties***

Calculation for Current Year (CY) Serious Casualties

CY Serious Casualties

```
SUM(IF [Accident Severity]='Serious'
and YEAR([Accident Date]) = [Current Year]
THEN [Number of Casualties] END)
```

- ***PY Serious Casualties***

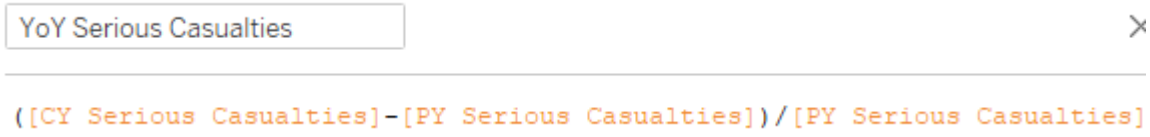
Calculation for Previous Year (PY) Serious Casualties

PY Serious Casualties

```
SUM(IF [Accident Severity]='Serious'
and YEAR([Accident Date]) = [Previous Year]
THEN [Number of Casualties] END)
```

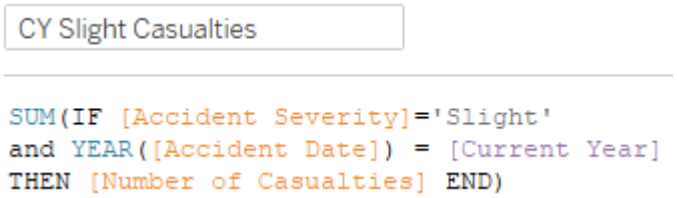
- ***YoY Serious Casualties***

Calculation for Year on Year (YoY) Serious Casualties



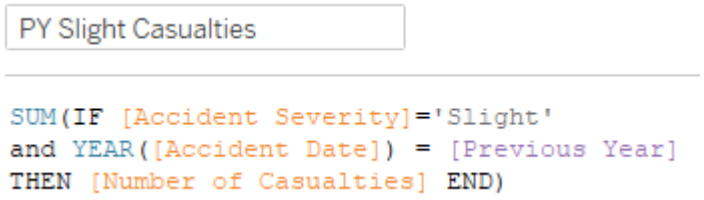
- ***CY Slight Casualties***

Calculation for Current Year (CY) Slight Casualties



- ***PY Slight Casualties***

Calculation for Previous Year (PY) Slight Casualties

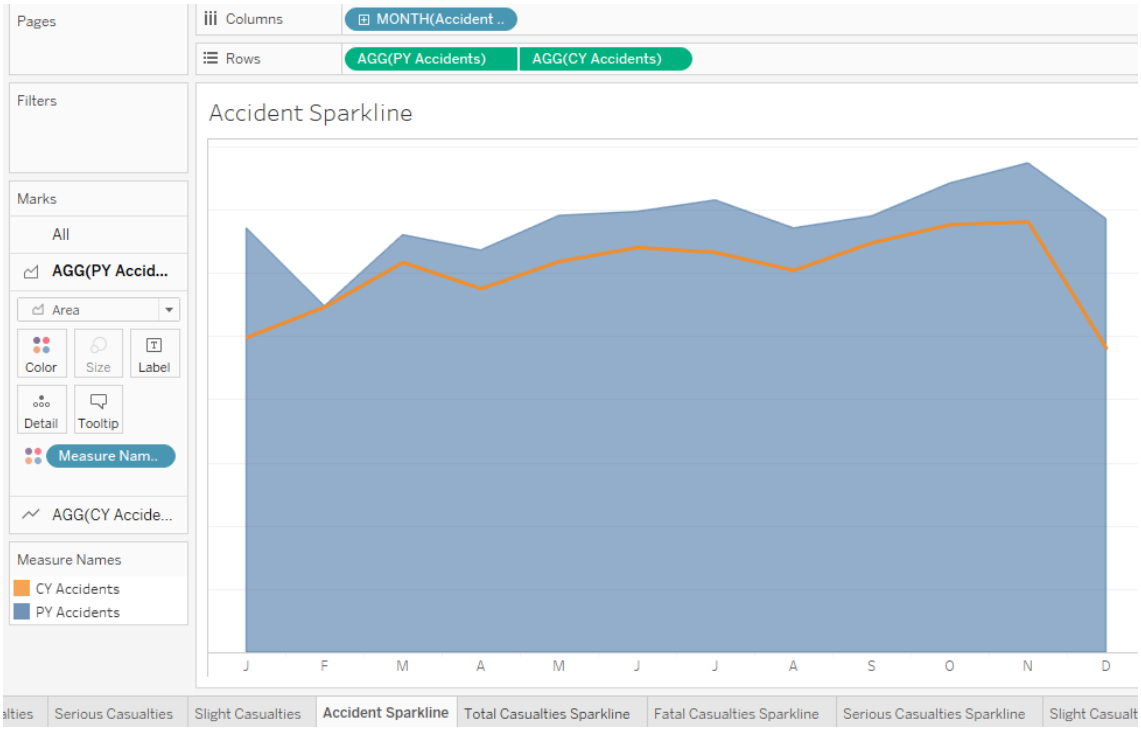


YoY Serious Casualties

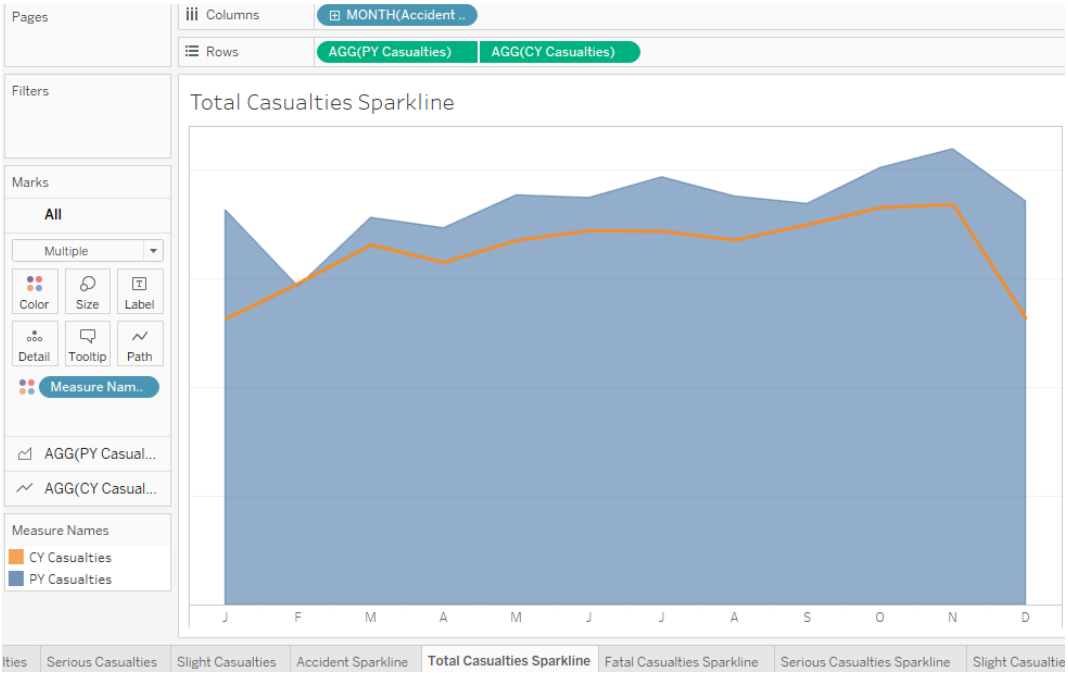
Calculation for Year on Year (YoY) Serious Casualties

2. Next, we develop the sparklines.

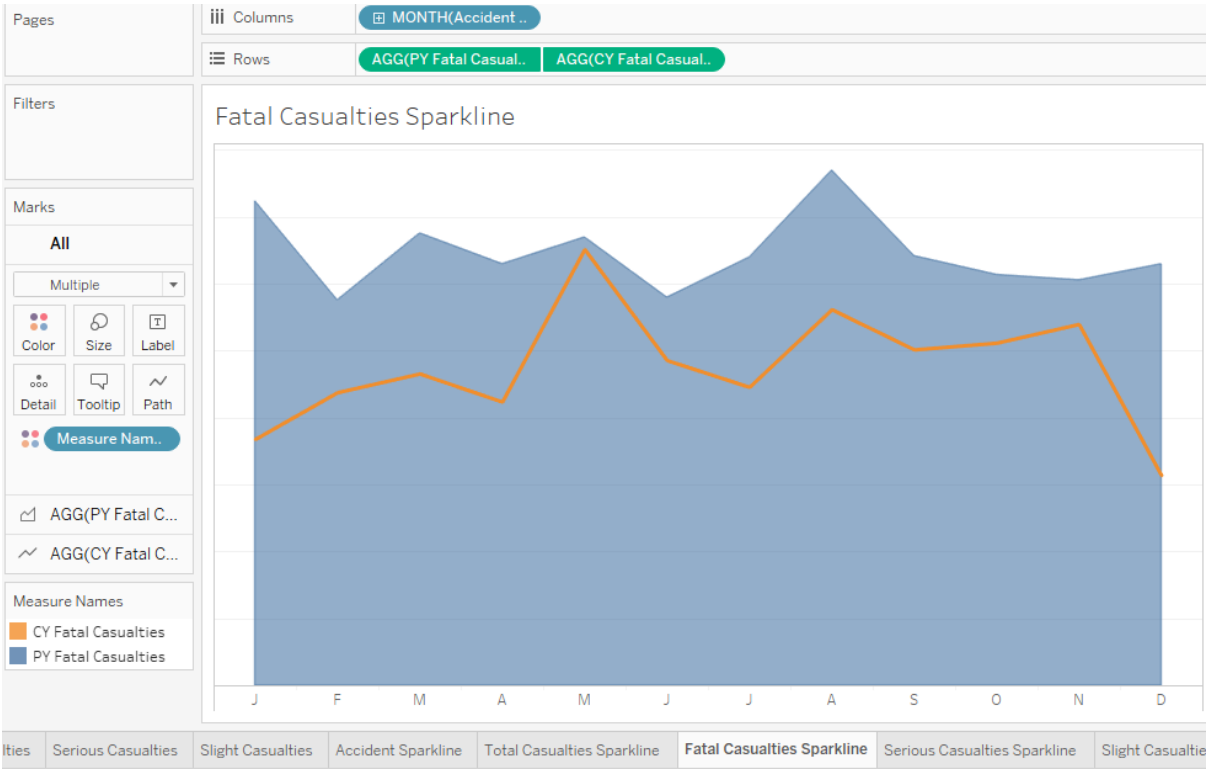
- ***Accident Sparkline***



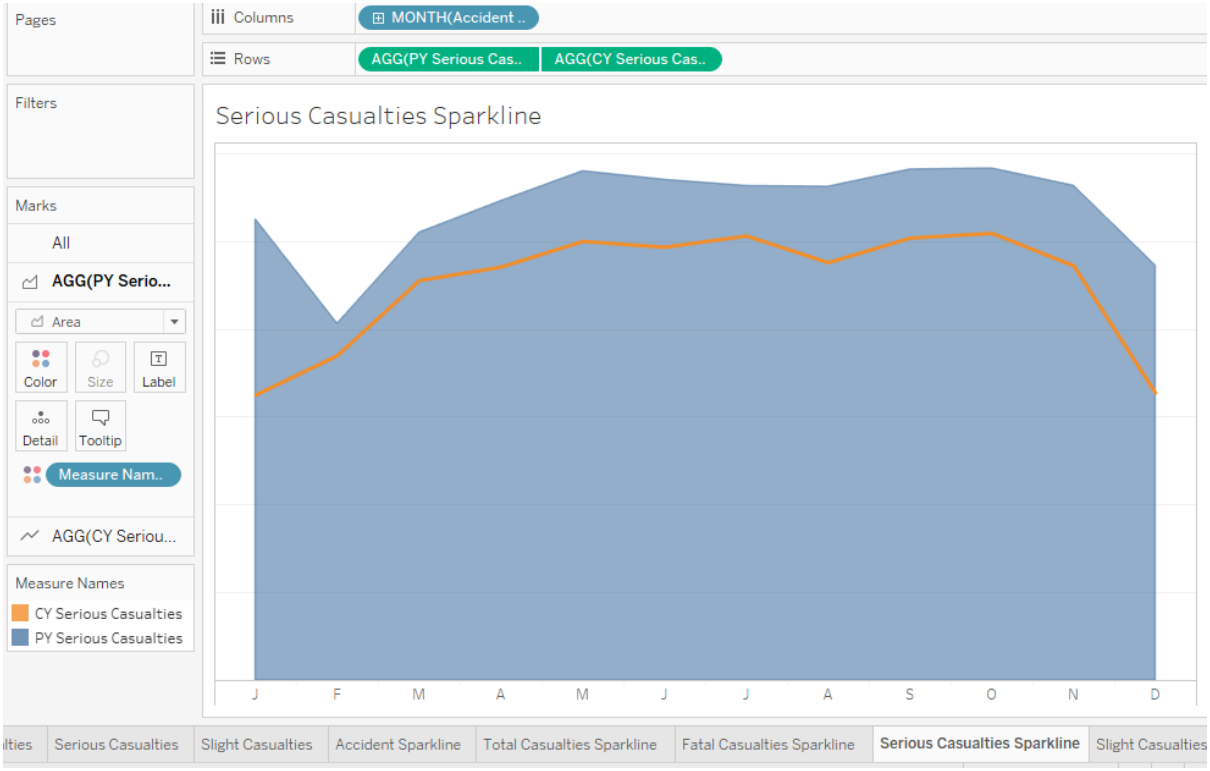
- ***Total Casualties Sparkline***



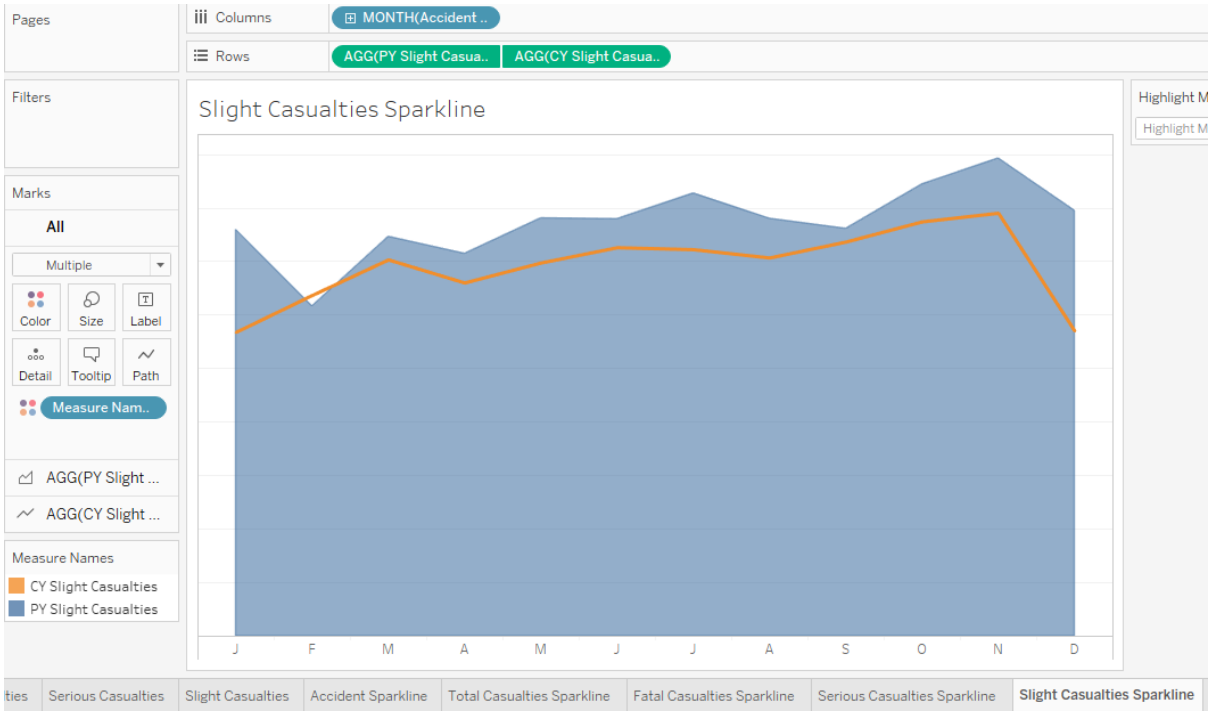
- ***Fatal Casualties Sparkline***



- ***Serious Casualties Sparkline***



- ***Slight Casualties Sparkline***



- ***Accident Severity Filter Calculation***

Accident Severity Filter

```
[Select Accident Severity]=[Accident Severity]
or [Select Accident Severity]="All"
```

If accident severity is selected, it will filter that particular accident severity. If you select “All” then it will select all types of severity instead of choosing one value.