

**THE BUS DELAYS**

**OF**

**TTC**

**TTC has been robbing you blind and you have no idea!**

If you take the route **1** every **Afternoon** on the **Weekday**

You would have lost **1475** minutes in the past 5 years !!!

**And Time is Money!**

Route

1

Time of Day

Afternoon	Evening	Night
Early Morning	Morning	Noon

Day

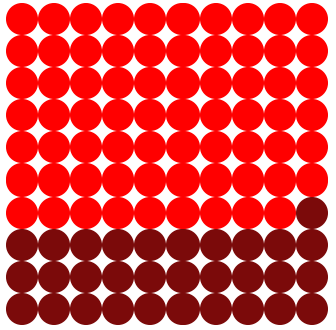
☒ Weekday

☐ Weekend

# If you were to get on the TTC Bus Today and it was delayed, then there is a

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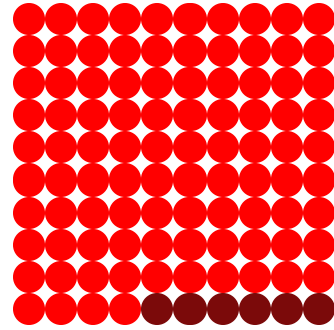
## Mechanical



31%

chance it would be delayed  
by a mechanical Issue

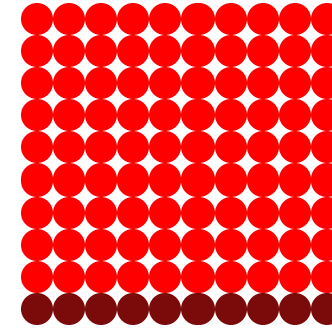
## Cleaning



6%

chance it would be delayed  
by a Cleaning Issue

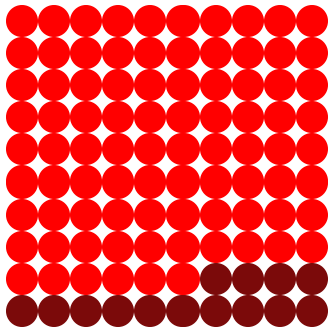
## Off Route



10%

chance it would be delayed  
because it went Off-Route

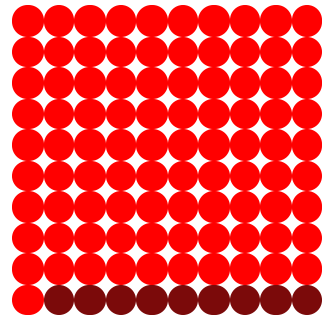
## Operations



14%

chance it would be delayed  
by a Operational Issue

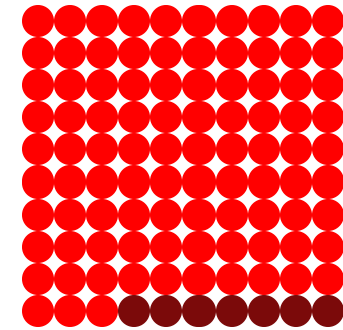
## General Delay.



9%

chance it would be delayed  
because of a general reason

## Investigation



7%

chance it would be delayed  
due to an investigation

## Incidents

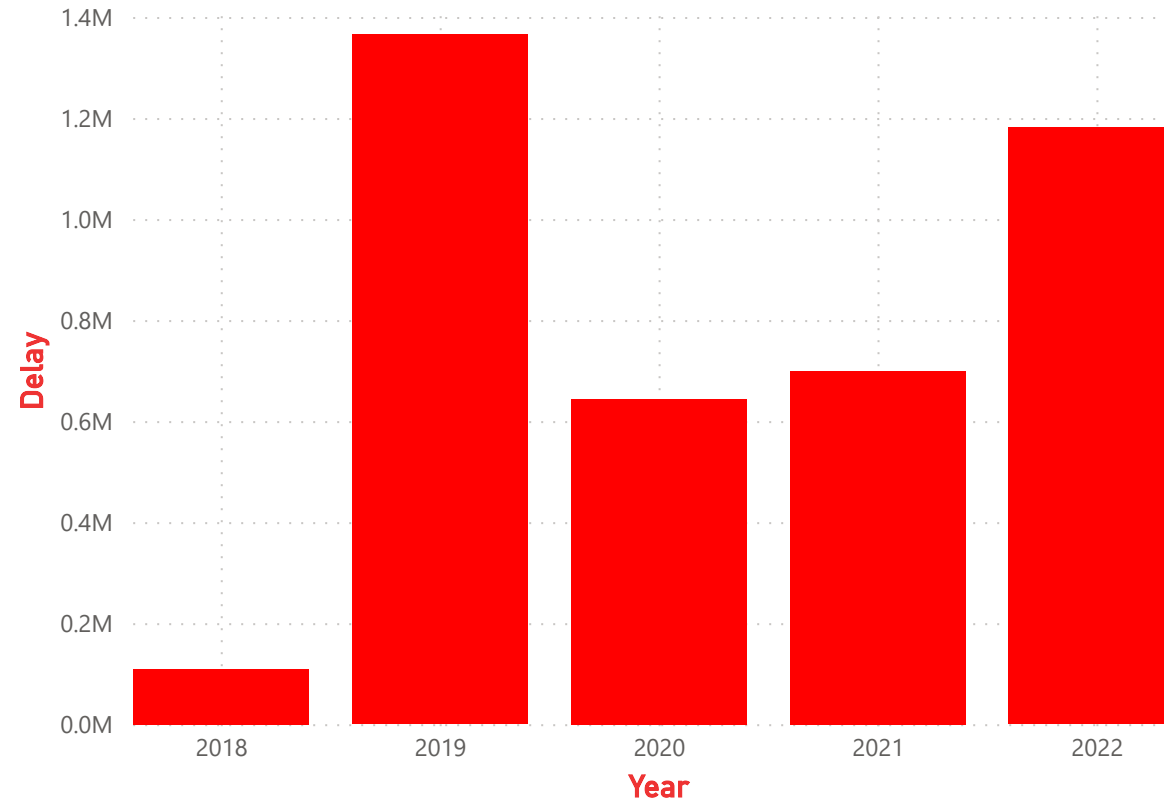
Cleaning  
Collision  
Diversion  
EmergencyServices  
GeneralDelay  
HeldBy  
Investigation  
Late  
LateEnteringService  
LateLeavingGarage  
Management  
Mechanical  
Operations  
Overhead  
Rail/Switches  
RoadBlock  
Security  
UtilizedOffRoute  
Vision

Year

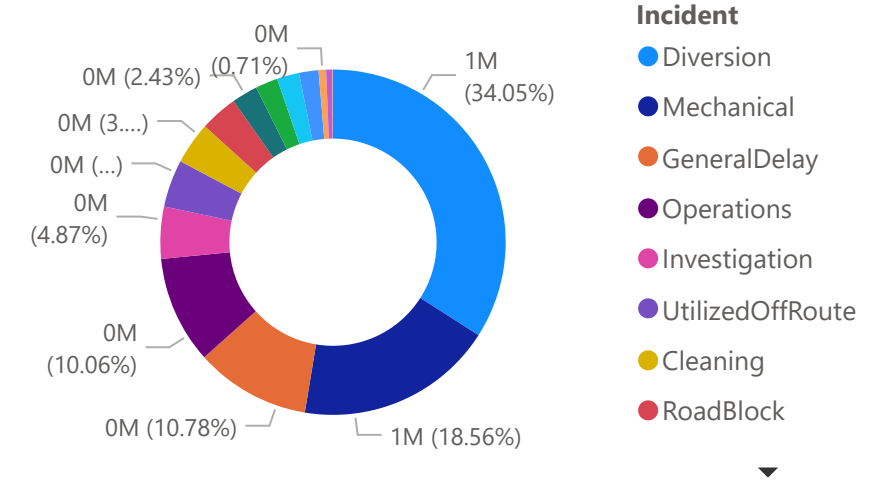
All

# Incidents per Year

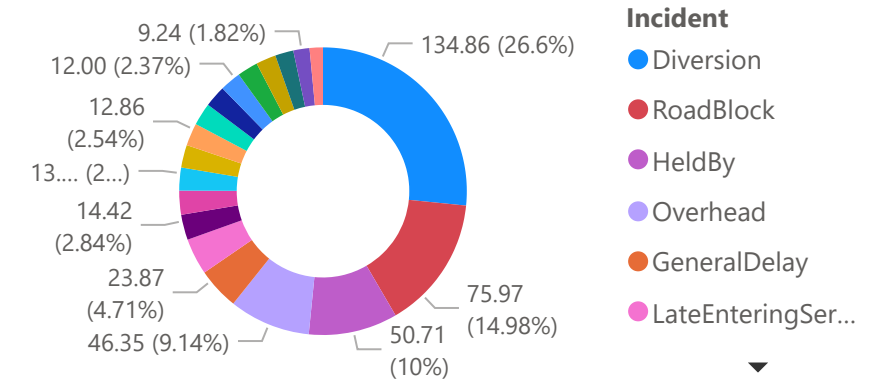
Delay By Year



Sum Delay by Incident



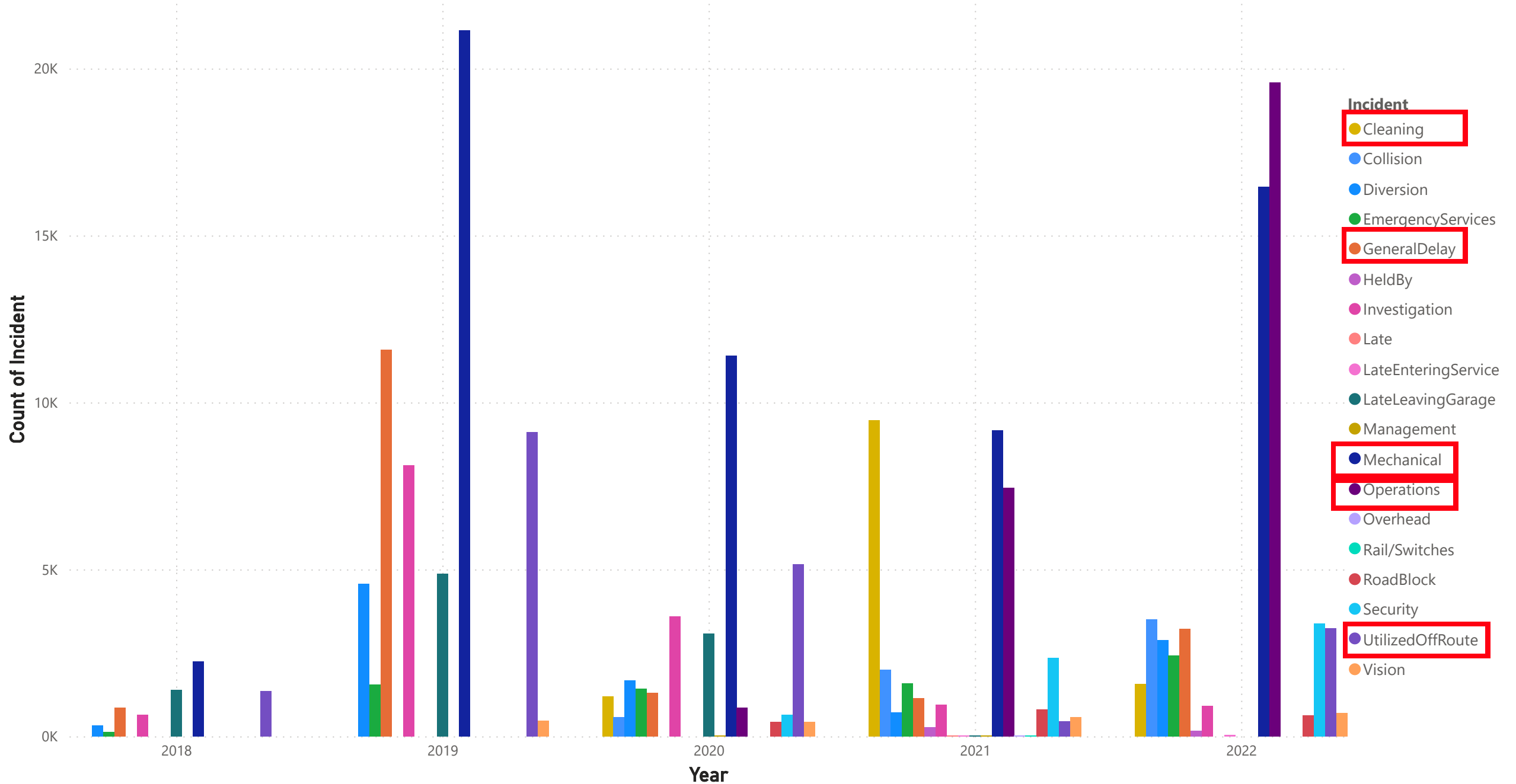
Average Delay by Incident



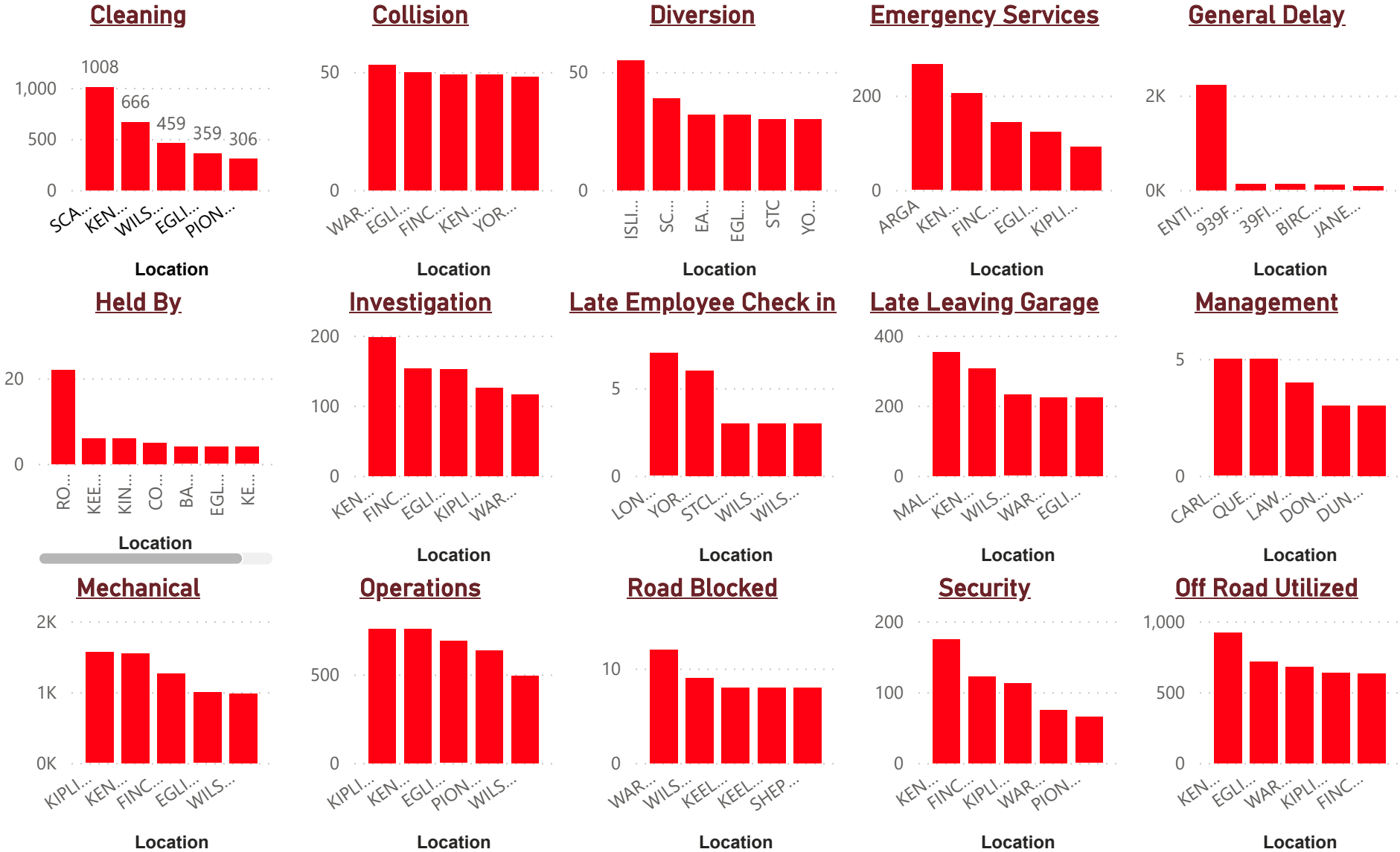
### Key Insights:

- 2018 has the least amount of delays but compared to other years, it doesn't make any sense so the only reasonable conclusion is the delays were not recorded properly prior to 2019
- 2019 and 2022 had the highest amount of overall delays
- Out of all the causes of delays diversion has the highest amount in delays, followed by mechanical and general delay incidents.
- When an average of delays is diversion is still the highest across all the years except for 2019, when cleaning incident was the highest

# Count of Incident by Year

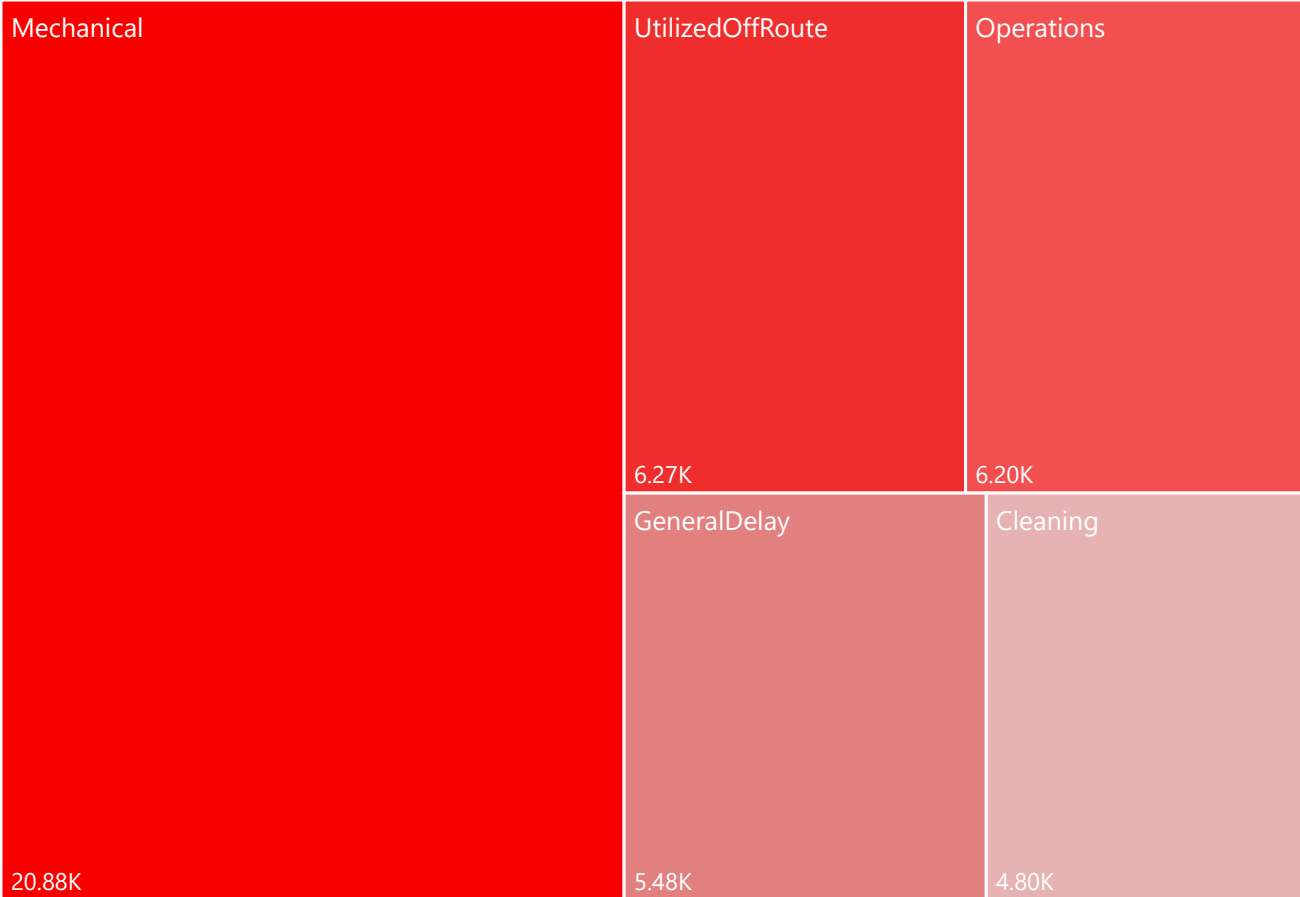


# Count of Incidents Based on Location

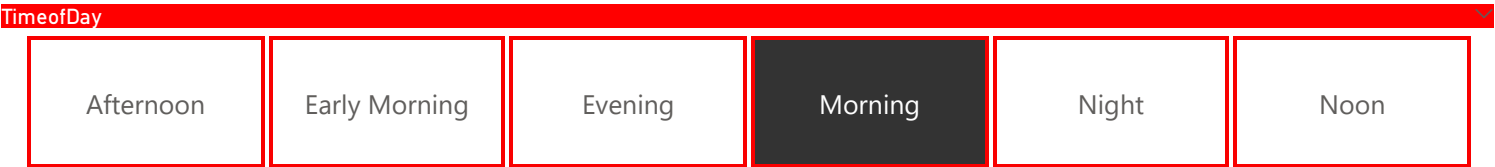
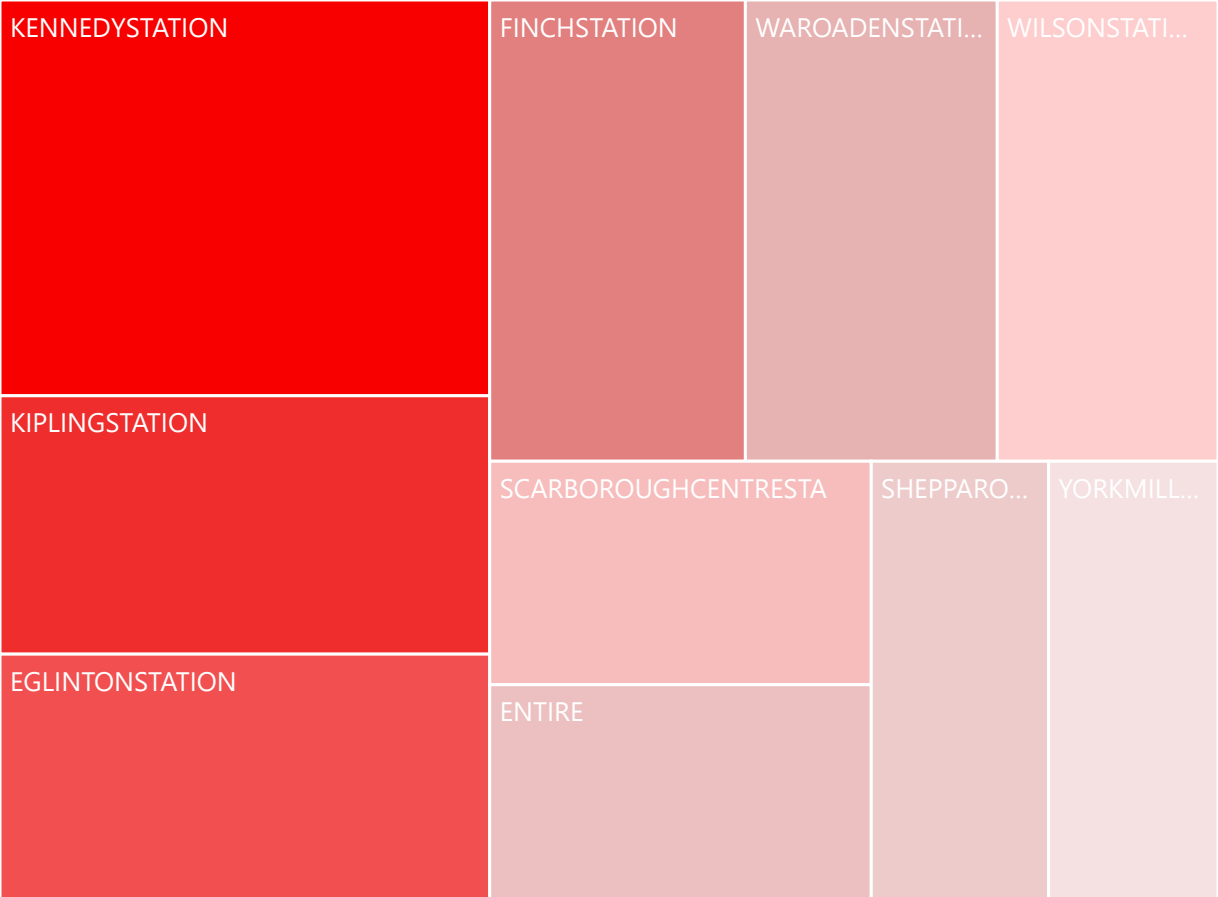


# Which Incidents causes the most delay, When does it happen and Where?

Count of Incident by Incident



Count of Incident by Location



Choose an Incident

- ☐ GeneralDelay
- ☐ Investigation
- ☐ Mechanical
- ☒ Operations
- ☐ UtilizedOffRoute

Choose a location

- ☒ EGLINTONSTATION
- ☐ ENTIRE
- ☐ FINCHSTATION
- ☐ KENNEDYSTATION
- ☐ KIPLINGSTATION
- ☐ PIONEERVILLAGEST...
- ☐ SCARBOROUGHCBEN...
- ☐ WARROADENSTATION
- ☐ WILSONSTATION
- ☐ YORKMILLSSTATION

Choose a %

- ☐ 10%
- ☐ 15%
- ☐ 20%
- ☒ 25%
- ☐ 5%

# Delay Simulation

Number of Incidents

3465

Incident should be reduced by a  
number of

172

Total Amount of Delay

11K

To reduce the Amount of Delay by

2.75K



# Top 5 Causes of Delay

GeneralDelay
Investigation
LateLeavingGarage
Mechanical
UtilizedOffRoute

# Top 5 incidents that causes the most delay

Diversion
EmergencyServices
GeneralDelay
Investigation
LateLeavingGarage
Mechanical
UtilizedOffRoute

# Top 10 Location where the delay happens

EGLINTONSTATION
ENTIRE
FINCHSTATION
KENNEDYSTATION
KIPLINGSTATION
MAINSTATION
PAPESTATION
STC
WAROADENSTATION
WILSONSTATION

Total delay

109K

15.70

Avg delay per day

Year

2018	2019	2020	2021	2022
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