Tutorial2

Set up

```
library("janitor")

Attaching package: 'janitor'

The following objects are masked from 'package:stats':
    chisq.test, fisher.test

library("knitr")
    library("lubridate")

Attaching package: 'lubridate'

The following objects are masked from 'package:base':
    date, intersect, setdiff, union

library("opendatatoronto")
    library("tidyverse")
```

```
-- Attaching core tidyverse packages ----- tidyverse 2.0.0 --
v dplyr
        1.1.4
                   v readr
                             2.1.5
v forcats 1.0.0
                   v stringr 1.5.1
v ggplot2 3.4.4
                   v tibble 3.2.1
v purrr 1.0.2
                   v tidyr
                             1.3.0
-- Conflicts ----- tidyverse_conflicts() --
x dplyr::filter() masks stats::filter()
x dplyr::lag()
                masks stats::lag()
i Use the conflicted package (<a href="http://conflicted.r-lib.org/">http://conflicted.r-lib.org/</a>) to force all conflicts to become
  library(readr)
  Tickets_Issued <- read_csv("Tickets Issued.csv")</pre>
Rows: 23204 Columns: 9
-- Column specification -----
Delimiter: ","
chr (6): DIVISION, TICKET_TYPE, OFFENCE_CATEGORY, AGE_GROUP, HOOD_158, NEIGH...
dbl (3): _id, OFFENCE_YEAR, TICKET_COUNT
i Use `spec()` to retrieve the full column specification for this data.
i Specify the column types or set `show_col_types = FALSE` to quiet this message.
Basic Cleaning of the Data
  cleaned_tickets_issued <-</pre>
    clean_names(Tickets_Issued)
  head(cleaned_tickets_issued)
# A tibble: 6 x 9
     id offence_year division ticket_type offence_category age_group hood_158
  <dbl>
              <dbl> <chr>
                            <chr>
                                            <chr>
                                                             <chr>
                                                                       <chr>
1
     1
              2015 D41
                             Prov Offence ~ Other HTA
                                                            Youth
                                                                      121
     2
               2020 D42
                             Prov Offence ~ Other HTA
                                                            Youth
                                                                      148
                           Prov Offence ~ Aggressive Driv~ Adult
3
     3
               2020 D13
                                                                     107
```

i 2 more variables: neighbourhood_158 <chr>, ticket_count <dbl>

Prov Offence ~ Other HTA

Prov Offence ~ Aggressive Driv~ Adult

Prov Offence ~ Distracted Driv~ Adult

160

116

40

Adult

4

5

4

5

6

2021 D22

2014 D42

2021 D32

##Create graph for

Ticket per year Etobicoke West Mall

