How Melbournians walk during COVID-19

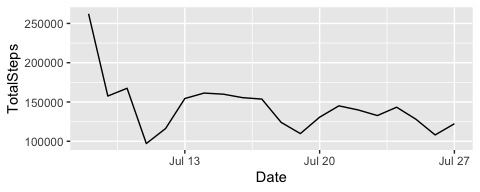
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#### Introduction

In this document we examine the walking frequency of Melburnians during the July lockdown.  
The data are provided in the **rwalkr** package.

#### Plot of Total Steps per Day



#### Table of five most active sensors

## # A tibble: 5 x 3  
## Sensor TotalSteps Proportion  
## <chr> <int> <dbl>  
## 1 Flinders St-Elizabeth St (East) 228584 7.97  
## 2 380 Elizabeth St 165729 5.78  
## 3 Flinders La-Swanston St (West) 160331 5.59  
## 4 Town Hall (West) 119530 4.17  
## 5 Melbourne Central-Elizabeth St (East) 118594 4.13

#### Formula for proportion

=

where is the total steps monitored by this sensor, is the total steps monitored by all sensors. and is the proportion that each sensor contributed to the dataset.

#### Table of Packages and functions used in the report

|  |  |
| --- | --- |
| Library | Functions |
| base | as.Date(), Sys.Date(), sum() |
| dplyr | group\_by(), summarise(), mutate(), arrange() |
| ggplot2 | ggplot(), aes(), geom\_line() |
| rwalkr | melb\_walk() |