Outdoor Artificial Ice Rinks

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#### Preamble ####
# Purpose: Download dataset of the Outdoor Artificial Ice Rinks across Toronto and make a
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# Date: 12 January 2023
# Prerequisites: Know where to get the Outdoor Artificial Ice Rinks data.


#### Workspace setup ####
#install.packages("tidyverse")
#install.packages("janitor")
#install.packages("opendatatoronto")
library(tidyverse)
```

```
-- Attaching core tidyverse packages ----------------------- tidyverse 2.0.0 --
v dplyr     1.1.4     v readr     2.1.4
v forcats   1.0.0     v stringr   1.5.1
v ggplot2   3.4.4     v tibble    3.2.1
v lubridate 1.9.3     v tidyr     1.3.0
v purrr     1.0.2
-- Conflicts ------------------------------------------ tidyverse_conflicts() --
x dplyr::filter() masks stats::filter()
x dplyr::lag()    masks stats::lag()
i Use the conflicted package (<http://conflicted.r-lib.org/>) to force all conflicts to becor
```

```
library(janitor)
```

```
Attaching package: 'janitor'

The following objects are masked from 'package:stats':

    chisq.test, fisher.test
```

```r
library(opendatatoronto)
```

```r
simulated_data <-
  tibble(
  "Outdoor Ice Rinks" = 1:69,
  "Community Counsil Area " = sample(
    x = c("Etobicoke York","North York","Toronto and East York", "Scarborough"),
    size = 69,
    replace = TRUE
  )
)
simulated_data
```

```
# A tibble: 69 x 2
   `Outdoor Ice Rinks` `Community Counsil Area `
                 <int> <chr>
 1                   1 Etobicoke York
 2                   2 Toronto and East York
 3                   3 Toronto and East York
 4                   4 North York
 5                   5 Etobicoke York
 6                   6 Etobicoke York
 7                   7 Scarborough
 8                   8 North York
 9                   9 North York
10                  10 Toronto and East York
# i 59 more rows
```

```r
raw_icerinks_data <-
  read_csv(
    file =
      "https://ckan0.cf.opendata.inter.prod-toronto.ca/dataset/e51b5d31-a53c-4fc5-a204-36c
    show_col_types = FALSE,
```

```
  )

write_csv(
  x = raw_icerinks_data,
  file = "outdoor_icerinks.csv"
)
head(raw_icerinks_data)
```

```
# A tibble: 6 x 15
  `_id` `Parent Asset Name`       `Asset ID` `Asset Name`       `Public Name`
  <dbl> <chr>                          <dbl> <chr>              <chr>
1     1 Albert Campbell Square         43568 Albert Campbell Sq~ Scarborough ~
2     2 Alexandra Park                 43573 Harry Gairey - Ale~ Harry R. Gai~
3     3 Broadlands Community Centre    43575 Broadlands Park - ~ Broadlands C~
4     4 Buttonwood Park                43576 Buttonwood Park - ~ Buttonwood P~
5     5 Campbell Avenue Playground     43577 Campbell Avenue Pl~ Campbell Ave~
6     6 Cedarvale Park                 43562 Cedarvale Park - O~ Cedarvale Pa~
# i 10 more variables: `Pad Length (ft.)` <dbl>, `Pad Width (ft.)` <dbl>,
#   `Ice Pad Type` <chr>, `Boards (Ice Rink)` <chr>, `Rink is Lit` <chr>,
#   Address <chr>, `Postal Code` <chr>, `Community Council Area` <chr>,
#   Ward <dbl>, geometry <chr>
```