

# Package ‘opendatatoronto’

October 14, 2020

**Title** Access the City of Toronto Open Data Portal

**Version** 0.1.4

**Description** Access data from the “City of Toronto Open Data Portal” (<<https://open.toronto.ca>>) directly from R.

**License** MIT + file LICENSE

**URL** <https://sharlagelfand.github.io/opendatatoronto/>,  
<https://github.com/sharlagelfand/opendatatoronto/>

**BugReports** <https://github.com/sharlagelfand/opendatatoronto/issues>

**Depends** R (>= 2.10)

**Imports** ckanr (>= 0.4.0), magrittr, readxl, sf, tibble, xml2, curl

**Suggests** covr, dplyr, ggplot2, knitr, purrr, rmarkdown, testthat

**VignetteBuilder** knitr

**Encoding** UTF-8

**LazyData** true

**RoxygenNote** 7.1.1

**NeedsCompilation** no

**Author** Sharla Gelfand [aut, cre],  
City of Toronto [cph, fnd]

**Maintainer** Sharla Gelfand <[sharla.gelfand@gmail.com](mailto:sharla.gelfand@gmail.com)>

**Repository** CRAN

**Date/Publication** 2020-10-14 17:00:02 UTC

## R topics documented:

opendatatoronto-package . . . . .	2
browse_package . . . . .	3
browse_portal . . . . .	3
browse_resource . . . . .	4
get_resource . . . . .	4

list_packages . . . . .	5
list_package_resources . . . . .	6
search_packages . . . . .	6
show_package . . . . .	7
<b>Index</b>	<b>8</b>

---

opendatatoronto-package  
*opendatatoronto*

---

## Description

opendatatoronto is an R interface to the [City of Toronto's Open Data Portal](#). The goal of the package is to help read data directly into R without needing to manually download it via the portal.

## Details

For more information, please start with the vignettes: `browseVignettes(package = "opendatatoronto")` or visit the [package website](#).

## Author(s)

**Maintainer:** Sharla Gelfand <sharla.gelfand@gmail.com>

Other contributors:

- City of Toronto [copyright holder, funder]

## See Also

Useful links:

- <https://sharlagelfand.github.io/opendatatoronto/>
- <https://github.com/sharlagelfand/opendatatoronto/>
- Report bugs at <https://github.com/sharlagelfand/opendatatoronto/issues>

---

browse_package	<i>Open the package's page in your browser</i>
----------------	------------------------------------------------

---

**Description**

Opens a browser to the package's page on the City of Toronto Open Data Portal.

**Usage**

```
browse_package(package)
```

**Arguments**

package	A way to identify the package. Either a package ID (passed as a character vector directly), a single package resulting from <a href="#">list_packages</a> or <a href="#">search_packages</a> , or the package's URL from the portal.
---------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**Value**

A browser is opened to the package's page on the City of Toronto Open Data Portal website if the session is interactive. The URL is returned as a character string.

**Examples**

```
ttc_subway_delays <- search_packages("ttc subway delay")
browse_package(ttc_subway_delays)
browse_package("https://open.toronto.ca/dataset/business-improvement-areas/")
```

---

browse_portal	<i>Open the City of Toronto Open Data Portal in your browser</i>
---------------	------------------------------------------------------------------

---

**Description**

Opens a browser to <https://open.toronto.ca>.

**Usage**

```
browse_portal()
```

**Value**

A browser is opened to the City of Toronto Open Data Portal website if the session is interactive. The URL is returned as a character string.

**Examples**

```
browse_portal()
```

---

browse_resource	<i>Open the resource's package page in your browser</i>
-----------------	---------------------------------------------------------

---

**Description**

Opens a browser to the resource's package page on the City of Toronto Open Data Portal.

**Usage**

```
browse_resource(resource)
```

**Arguments**

resource	A way to identify the resource. Either a resource ID (passed as a character vector directly) or a single resource resulting from <a href="#">list_package_resources</a> .
----------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**Value**

A browser is opened to the resource's package page on the City of Toronto Open Data Portal website if the session is interactive. The URL is returned as a character string.

**Examples**

```
ttc_subway_delays <- search_packages("ttc subway delay")
res <- list_package_resources(ttc_subway_delays)
browse_resource(res[1, ])
```

---

get_resource	<i>Download a resource into your R session</i>
--------------	------------------------------------------------

---

**Description**

Download a resource from the portal directly into your R session. CSV, XLS, XLSX, XML, JSON, SHP, ZIP, and GeoJSON resources are supported.

**Usage**

```
get_resource(resource)
```

**Arguments**

resource      A way to identify the resource. Either a resource ID (passed as a character vector directly) or a single resource resulting from [list\\_package\\_resources](#).

**Value**

In most cases, the resource is returned as a tibble or list of tibbles. If it is a spatial resource (i.e. SHP or GeoJSON), it is returned as an sf object.

**Examples**

```
list_package_resources("https://open.toronto.ca/dataset/neighbourhoods/") %>%  
  get_resource()
```

---

list_packages	<i>List packages</i>
---------------	----------------------

---

**Description**

List packages available on the portal.

**Usage**

```
list_packages(limit = 50)
```

**Arguments**

limit      The maximum number of packages to return. The default is 50.

**Value**

A tibble of available packages and metadata, including title, id, topics, civic\_issues, excerpt, publisher, dataset\_category, num\_resources (the number of resources in the package), formats (the different formats of the resources), refresh\_rate (how often the package is refreshed), and last\_refreshed (the date it was last refreshed).

**Examples**

```
list_packages(5)
```

---

list\_package\_resources

*List resources for a package*

---

### Description

List resources for a package on the portal.

### Usage

```
list_package_resources(package)
```

### Arguments

package	A way to identify the package. Either a package ID (passed as a character vector directly), a single package resulting from <a href="#">list_packages</a> or <a href="#">search_packages</a> , or the package's URL from the portal.
---------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

### Value

A tibble of resources along with metadata, including name, id, format (the format of the resource file), and last\_modified (the date the resource was last modified).

### Examples

```
list_package_resources("1db34737-ffad-489d-a590-9171d500d453")
list_package_resources("https://open.toronto.ca/dataset/ttc-subway-delay-data")
```

---

search\_packages

*Search packages by title*

---

### Description

Search portal packages by title.

### Usage

```
search_packages(title, limit = 50)
```

### Arguments

title	Title to search (case-insensitive).
limit	Maximum number of packages to return. The default is 50. The maximum limit is 1000.

**Value**

A tibble of matching packages along with package metadata, including title, id, topics, civic\_issues, excerpt, publisher, dataset\_category, num\_resources (the number of resources in the package), formats (the different formats of the resources), refresh\_rate (how often the package is refreshed), and last\_refreshed (the date it was last refreshed).

**Examples**

```
search_packages("ttc")
```

---

show_package	<i>Show a package's metadata</i>
--------------	----------------------------------

---

**Description**

Show a portal package's metadata.

**Usage**

```
show_package(package)
```

**Arguments**

package      A way to identify the package. Either a package ID (passed as a character vector directly) or the package's URL from the portal.

**Value**

A tibble including title, id, topics, civic\_issues, excerpt, publisher, dataset\_category, num\_resources (the number of resources in the package), formats (the different formats of the resources), refresh\_rate (how often the package is refreshed), and last\_refreshed (the date it was last refreshed).

**Examples**

```
show_package("c01c6d71-de1f-493d-91ba-364ce64884ac")
```

# Index

[browse\\_package](#), 3  
[browse\\_portal](#), 3  
[browse\\_resource](#), 4  
  
[get\\_resource](#), 4  
  
[list\\_package\\_resources](#), 4, 5, 6  
[list\\_packages](#), 3, 5, 6  
  
[opendatatoronto](#)  
    ([opendatatoronto-package](#)), 2  
[opendatatoronto-package](#), 2  
  
[search\\_packages](#), 3, 6, 6  
[show\\_package](#), 7