

RESTful APIs

Mastodon

- /getalltoots
 - returning all toots

Air Quality

- /getairquality/siteid/{siteid:[0-9]+}/year/{year:[0-9]{4}}/month/{month:[0-1][0-9]}
 - returning the air quality info of a siteid given the year and month
- /getairquality/siteid/{siteid:[0-9]+}/month/{month:[0-1][0-9]}
 - returning average air quality given a site and a month across all years available (2013-2021) (month format in 01 to 12)
- /getairquality/year/{year:[0-9]{4}}/month/{month:[0-1][0-9]}
 - returning the average air quality across all sites given a year and a month
- /getairquality/month/{month:[0-1][0-9]}
 - (month format in 01 to 12) returning the average air quality across all sites across all years (2013-2021)
- /getairquality/year/{year:[0-9]{4}}
 - returning the air quality of each month given the year
- /getairquality/yearsites/{yearsites:[0-9]{4}}
 - returning the air quality of all sites given the year
- /collect-air-quality-data/siteid/{siteid:[0-9]+}/startmonth/{startmonth:[0-9]{4}-{0-1}[0-9]}/endmonth/{endmonth:[0-9]{4}-{0-1}[0-9]}
 - Collecting the air quality data from the start month to the end month

Fire

- Bushfires
 - /bushfireget
 - Retrieve all bushfire data
- All fires
 - /fire/days/{date:[0-9][0-9][0-9][0-9]-[0-1][0-9]-[0-3][0-9]}
 - Retrieve all types of fire for the whole year, for example:
/fire/days/2021-04-03 returns all fire information from 2021-01-01 to 2021-12-31
 - /fire/days/{date:[0-9][0-9][0-9][0-9]-[0-1][0-9]-[0-3][0-9]}/type/{type:[a-zA-Z0-9]+}
 - Retrieve specific type of fire for the whole year
 - In terminal, url cannot contain blank, so use '%20' to replace blank, for example: curl

```
"http://localhost:9090/fire/days/2017-02-04/type/Prescribed%20Burn" | jq
''
```

- In jupyter notebook, just use blank:
(requests.get('http://localhost:9090/fire/days/2021-09-08/type/Prescribed Burn')).json()

Hospital Admission

- /admissions
 - Retrieve all hospital admission data
- /admissions/years/{year:[0-9][0-9][0-9][0-9]}
 - Retrieve hospital admission data in the specified year
- /admissions/phas/{pha:[0-9]+}
 - Retrieve hospital admission data in the specified pha (region)
- /admissions/years/{year:[0-9][0-9][0-9][0-9]}/phas/{pha:[0-9]+}
 - Retrieve hospital admission data in the specified year and pha
- /admissions/years/{year:[0-9][0-9][0-9][0-9]}/diseases/{disease:[a-zA-Z]{4,}}
 - Retrieve hospital admission data of the specified disease in the specified year
 - The disease entered in the url should be at least 4 letters, and any disease with the substring entered will be retrieved
- /admissions/phas/{pha:[0-9]+}/diseases/{disease:[a-zA-Z]{4,}}
 - Retrieve hospital admission data of the specified disease in the specified pha (region)
- /admissions/years/{year:[0-9][0-9][0-9][0-9]}/phas/{pha:[0-9]+}/diseases/{disease:[a-zA-Z]{4,}}
 - Retrieve hospital admission data of the specified disease in the specified year and pha (region)
- /admissions/nsw/years/{year:[0-9][0-9][0-9][0-9]}/months/{month:[0-9]{1,2}}
 - Retrieve hospital admission data in the hospital_admissions_nsw index, in the specified year and month
- /admissions/nsw/years/{year:[0-9][0-9][0-9][0-9]}/months/{month:[0-9]{1,2}}/diseases/{disease:[a-zA-Z]{4,}}
 - Retrieve hospital admission data in the hospital_admissions_nsw index, of the specified disease in the specified year and month