API Data Extraction

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Tools

Air Quality

```
[6]: # We can export the information that was returned using method .json()
     JSON(res.json())

[6]: ▼ root:
         $id: "1"
         $type: "Tfl.Api.Presentation.Entities.LondonAirForecast, Tfl.Api.Presen
         updatePeriod: "hourly"
         updateFrequency: "1"
         forecastURL: "http://londonair.org.uk/forecast"
         disclaimerText: "This forecast is intended to provide information on ex
            ong or short-lived local sources of pollution."
      ▶ currentForecast: [] 2 items
```

Low air pollution forecast valid from Friday 25 June to end of Saturday 26 June GMT

Modes of Transport

```
bus
cable-car
coach
cycle
cycle-hire
dlr
interchange-keep-sitting
interchange-secure
national-rail
overground
replacement-bus
river-bus
river-tour
taxi
tflrail
tram
tube
walking
Number of different modes of transport: 18
```

BikePoints

```
There are 785 BikePoints operated by Transfer of London
```

```
There are 32446 docks in all BikePoints
```

Tube and Bus Lines

```
The number of tube and bus lines are: 688
['Bakerloo', 'Central', 'Circle', 'District', 'Hammersmith & City', 'Jubilee', 'Metropolitan', 'Northern', 'Piccadilly', 'Victoria', 'Waterloo & City']
```

Victoria/District Line

Victoria Line

`The victoria line has 16 stations`

District Line

`The district line has 60 stations`

Heathrow Airport to Tower Bridge

Start Point (Heathrow Airport Terminals 1-3)

- Lat, Long = (51.47115, -0.45649)

```
▼ departurePoint:
    $type: "Tfl.Api.Presentation.Entities.StopPoint, Tfl.Api.Presentation.Entities"
    platformName: ""
    icsCode: "99999997"
    commonName: "Heathrow Airport Terminals 1-3"
    placeType: "StopPoint"
    additionalProperties: [] 0 items
    lat: 51.47109011224
    lon: -0.45644543212
```

Heathrow Airport to Tower Bridge

End Point (1 Tower Bridge, Tower Hamlets)

- Lat, Long = (51.50559, -0.07528)

```
▼ arrivalPoint:
    $type: "Tfl.Api.Presentation.Entities.Place, Tfl.Api.Presentation.Entities"
    commonName: "1 Tower Bridge, Tower Hamlets"
    placeType: "StopPoint"
    lat: 51.505596168569994
    lon: -0.07530376145
```

Heathrow Airport to Tower Bridge

Depending on the time of travel, the modes of transport change.

```
Planned Duration: 70 minutes
Bus: ≈ 0 minutes
Tube: ≈ 15 minutes
Walking: ≈ 35 minutes
TFLRail: ≈ 0 minutes
National-Rail: ≈ 15 minutes
```