

Public Dashboard is Available Here

<https://datastudio.google.com/open/0ByKECVERKkmleXlsc2ZWWDNyT1k>

Step 1: Imported the CSV file downloaded from data.gov.au to Google Query

The screenshot shows the Google BigQuery interface. On the left, the 'COMPOSE QUERY' button is visible, along with 'Query History' and 'Job History' sections. Below these is a 'Filter by ID or label' input field. The 'learnqcpds' dataset is expanded, showing 'wyndham' and 'hardrubbish' tables. Under 'Public Datasets', several other datasets are listed. The main area displays 'Table Details: hardrubbish' with tabs for 'Schema', 'Details', and 'Preview'. The 'Preview' tab is active, showing a table with 18 rows and 7 columns: Row, ID, PropertyNumber, CollectionDate, PropertyAddress, WasteDay, and RateQualifie. The table contains data for various properties in Wyndham, including Gundaroo Square, Lauraville Avenue, and Thelma Court. At the bottom, there are buttons for 'Table', 'JSON', and 'Notes', and a status bar indicating 'Rows 1 - 18 of 95514'.

Row	ID	PropertyNumber	CollectionDate	PropertyAddress	WasteDay	RateQualifie
1	33028	137216	2012-08-31 00:00:00 UTC	5 Gundaroo Square WERRIBEE VIC 3030	Friday	Garbage, Municipal, Gen-DL
2	84635	137216	2015-09-04 00:00:00 UTC	5 Gundaroo Square WERRIBEE VIC 3030	Friday	Garbage, Municipal, Gen-DL, FSLResid
3	11239	138496	2010-12-10 00:00:00 UTC	4/1-3 Lauraville Avenue WERRIBEE VIC 3030	Friday	Garbage, Municipal, Gen-DL
4	29739	138496	2012-05-25 00:00:00 UTC	4/1-3 Lauraville Avenue WERRIBEE VIC 3030	Friday	Garbage, Municipal, Gen-DL
5	46934	138496	2013-08-23 00:00:00 UTC	4/1-3 Lauraville Avenue WERRIBEE VIC 3030	Friday	Garbage, Municipal, Gen-DL
6	89682	138496	2015-12-18 00:00:00 UTC	4/1-3 Lauraville Avenue WERRIBEE VIC 3030	Friday	Garbage, Municipal, Gen-DL, CarbonRe
7	54580	138496	2013-12-20 00:00:00 UTC	4/1-3 Lauraville Avenue WERRIBEE VIC 3030	Friday	Garbage, Municipal, Gen-DL
8	32871	138496	2012-08-24 00:00:00 UTC	4/1-3 Lauraville Avenue WERRIBEE VIC 3030	Friday	Garbage, Municipal, Gen-DL
9	76128	138496	2015-02-13 00:00:00 UTC	4/1-3 Lauraville Avenue WERRIBEE VIC 3030	Friday	Garbage, Municipal, Gen-DL, CarbonRe
10	67897	138496	2014-09-19 00:00:00 UTC	4/1-3 Lauraville Avenue WERRIBEE VIC 3030	Friday	Garbage, Municipal, Gen-DL, CarbonRe
11	86402	142592	2015-10-23 00:00:00 UTC	9 Thelma Court WERRIBEE VIC 3030	Friday	Garbage, Municipal, Gen-DL, FSLResid
12	41597	142592	2013-05-03 00:00:00 UTC	9 Thelma Court WERRIBEE VIC 3030	Friday	Garbage, Municipal, Gen-DL
13	90977	142592	2016-01-22 00:00:00 UTC	9 Thelma Court WERRIBEE VIC 3030	Friday	Garbage, Municipal, Gen-DL, FSLResid
14	78876	142592	2015-05-08 00:00:00 UTC	9 Thelma Court WERRIBEE VIC 3030	Friday	Garbage, Municipal, Gen-DL, FSLResid
15	28974	142592	2012-05-04 00:00:00 UTC	9 Thelma Court WERRIBEE VIC 3030	Friday	Garbage, Municipal, Gen-DL
16	4296	143616	2010-03-26 00:00:00 UTC	18 Yalonga Avenue WERRIBEE VIC 3030	Friday	Garbage, Municipal, Gen-DL
17	34744	143616	2012-10-12 00:00:00 UTC	18 Yalonga Avenue WERRIBEE VIC 3030	Friday	Garbage, Municipal, Gen-DL
18	24329	143872	2012-02-03 00:00:00 UTC	8 Ashridge Court WYNDHAM VALE VIC 3024	Friday	Garbage, Municipal, Gen-DL

Step 2: Analysed Data with following queries

Returns Number of Bookings for each YEAR

```
select year(CollectionDate) as CollectionYear, count(PropertyNumber) from  
wyndham.hardrubbish  
group by CollectionYear
```

Returns Number of Bookings for each Suburb for each YEAR

```
select SUBSTR(PropertyAddress, -4, 4) as ZipCode, year(CollectionDate) as  
CollectionYear, count(PropertyNumber) as Total from wyndham.hardrubbish  
group by CollectionYear, ZipCode  
order by CollectionYear
```

Returns Person Hours for each YEAR

```
select year(CollectionDate) as CollectionYear, CEIL((count(PropertyNumber) * 2)/60) as  
Person_Hours, CEIL(CEIL((count(PropertyNumber) * 2)/60)/24) as Person_Days from  
wyndham.hardrubbish  
group by CollectionYear  
order by CollectionYear
```

Step 3: Integrated Google Data Studio with BigQuery and Created Dashboard

