Data Analytics Team improve to PowerBI meeting

Problem we want to solve

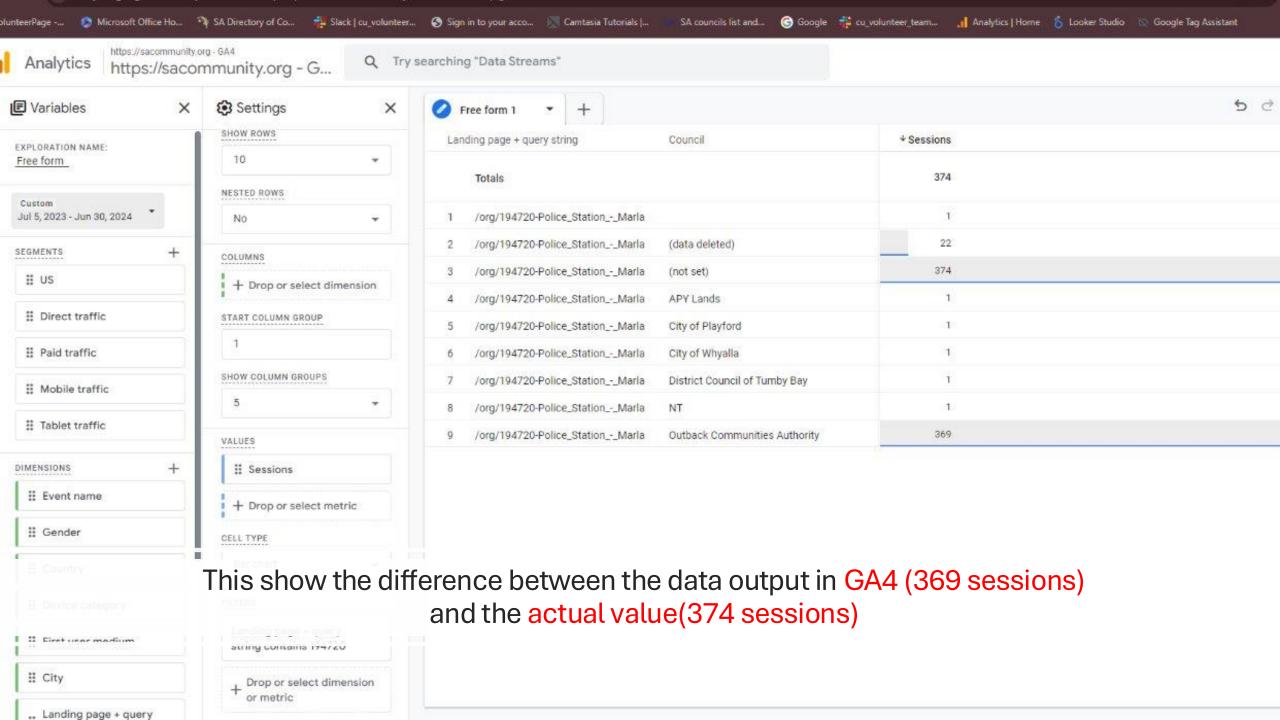
Not enough accuracy

Data Sources not sync between SAcommunity & GA4

The data output from GA4 is wrong since GA4 Filter's were not working

Manual data correcting takes time

Final output missing session data



Previous approach

Compare every datapoint for the proposed council with Google analytics data and verify with SAcommunity data.

Post correction, add omitted services form SAcommunity directory to create a excel for PowerBI.

Timeline for this entire process is usually more than a week to generate the final Power BI report.

Most time-consuming part in this process is filtering community service data which is not part of proposed council but included in the list.

Proposed Solution

Identify and combine all the data sources (SAcommunity/ GA4)

Automate Data cleaning to save time.

Have volunteers manually check SAcommunity and reflect any changes on the directory.

Develop a straightforward, documented pipeline for all future volunteers to follow.

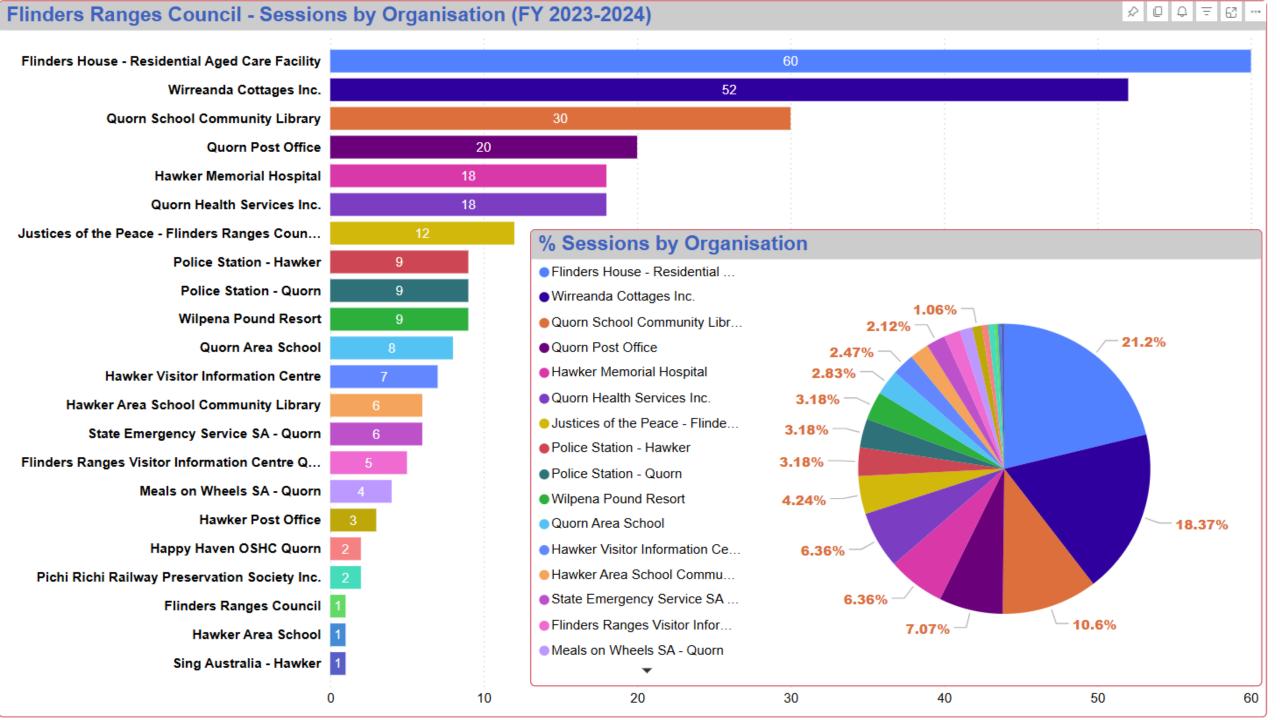
The Difference: Was it worth it

Old way: Relying on GA

New way: Relying on Sa Community

Organisation Name	Sum of Sessions
Flinders House - Residential Aged Care Facility	60
Flinders Ranges Visitor Information Centre Quorn	5
Hawker Area School Community Library	6
Hawker Memorial Hospital	18
Hawker Visitor Information Centre	7
Justices of the Peace - Flinders Ranges Council	12
Police Station - Hawker	9
Police Station - Quorn	9
Quorn Area School	8
Quorn Health Services Inc.	18
Quorn Post Office	20
Quorn School Community Library	30
State Emergency Service SA - Quorn	6
Wilpena Pound Resort	9
Wirreanda Cottages Inc.	52
Total	269

Organisation Name	Sum of Sessions
Flinders House - Residential Aged Care Facility	62
Hawker Area School Community Library	6
Hawker Memorial Hospital	18
Hawker Visitor Information Centre	7
Justices of the Peace - Flinders Ranges Council	12
Meals on Wheels SA - Quorn	8
Police Station - Hawker	9
Police Station - Quorn	10
Quorn Area School	8
Quorn Health Services Inc.	18
Quorn Post Office	22
Quorn School Community Library	31
State Emergency Service SA - Quorn	6
Wilpena Pound Resort	9
Wirreanda Cottages Inc.	53
Total	279



Sessions by Organization Flinders House - Residential Aged Care Fac... 62 Wirreanda Cottages Inc. 53 **Quorn School Community Library** Quorn Post Office 18 Hawker Memorial Hospital Quorn Health Services Inc. Justices of the Peace - Flinders Ranges Co... % Sessions by Organization Police Station - Quorn 10 Flinders House - Residentia... Police Station - Hawker Wirreanda Cottages Inc. 1.68% - 0.34% Wilpena Pound Resort Quorn School Community Li... 2.02% Meals on Wheels SA - Quorn 20.88% 2.36% Quorn Post Office Quorn Area School 2.69% Hawker Memorial Hospital Hawker Visitor Information Centre 2.69% Quorn Health Services Inc. Hawker Area School Community Library 3.03% Justices of the Peace - Flin... State Emergency Service SA - Quorn 3.03% Flinders Ranges Visitor Information Centre ... Police Station - Quorn 3.37% Hawker LPO Police Station - Hawker Pichi Richi Railway Preservation Society Inc. Wilpena Pound Resort 4.04% 17.85% Happy Haven OSHC Quorn 2 Meals on Wheels SA - Quorn Flinders Ranges Council 1 Quorn Area School 6.06% Hawker Area School 1 Hawker Visitor Information ... Sing Australia - Hawker 1 6.06% Hawker Area School Comm... 10.44% State Emergency Service SA - Hawker %25... 1 7.41% — State Emergency Service S... SA Ambulance Service - Hawker

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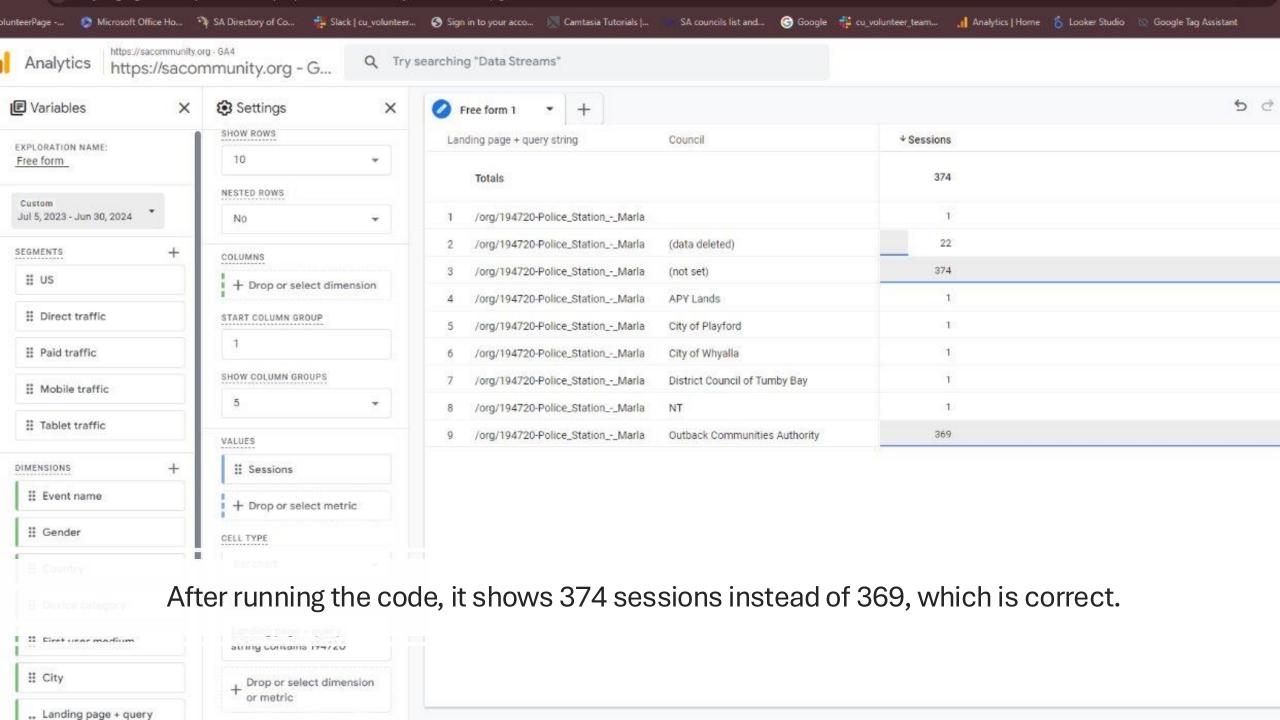
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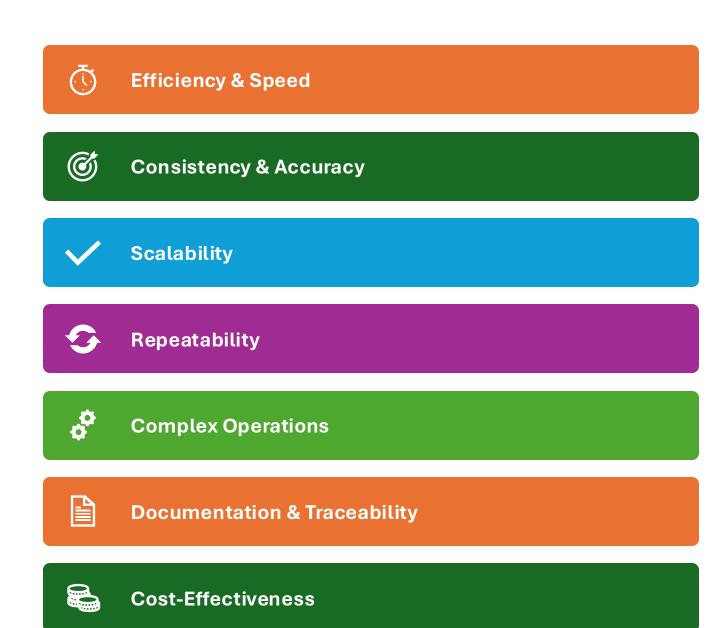
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SA Ambulance Service - Quorn

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Program we have done

- Python code to combine the data from data.gov, CiviCRM and GA4 for council and federal electorate
- Python code to prepare the data for Canva

Next step

Convert python program to executable file