



Data Analyst Challenge

Using User, Property Listing, Search and Enquiry Data

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Data Background

The data corresponds to a subset of our searches and enquiries for the month of July 2018.

All dates are in UTC.

- Enquiries received by agents from consumers
- Searches by district
- Listings

Questions to Answer

1. Write an SQL query that ranks districts by search volume (if the search was for more than one district then each value in the list is counted as one search)
2. Which district had the highest day-on-day percent change in search volume and when did it occur?
3. How would you segment our user base based on their search behaviour?
4. We want to drive conversions in the form of enquiries, what recommendations would you make to the Product Team?

Strategy



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Appendix

I. Project Environment

- Ubuntu 18.04.01 LTS x84
- Anaconda, Jupyter, Python 3.6
- PostgreSQL 10, pgAdmin4
- Intel Core i5-8400 (6 cores, 2.8Ghz)
- 16 GB RAM with SSD + HDD

II. References

Dataset and Project Background:

<https://docs.google.com/spreadsheets/d/1Kb521qUBEU0mPD0vIFLXTGGVTfhKxd1zMr95CCOr6D4/edit#gid=1094332359>