ORAL PRESENTATION

Question : Which roads in Victoria needs traffic light?

Dataset: Traffic Volume in victoria

<https://vicroadsopendata-vicroadsmaps.opendata.arcgis.com/datasets/5512df2ff41e4941bacf868053dbfba9_0>

metadata:

<http://data.vicroads.vic.gov.au/metadata/evol.html>

Traffic Lights in victoria

<https://vicroadsopendata-vicroadsmaps.opendata.arcgis.com/datasets/1f3cb954526b471596dbffa30e56bb32_0>

Crash Statistics

<https://discover.data.vic.gov.au/dataset/crash-stats-data-extract>

metadata:

<http://data.vicroads.vic.gov.au/metadata/Crash%20Stats%20-%20Data%20Extract%20-%20Open%20Data.html>

Who: VicRoads (is a [statutory corporation](https://en.wikipedia.org/wiki/Statutory_corporation) which is the road and traffic authority in the [state](https://en.wikipedia.org/wiki/State_(Australia)) of [Victoria](https://en.wikipedia.org/wiki/Victoria_(Australia)), [Australia](https://en.wikipedia.org/wiki/Australia)) responsible for maintenance and construction of the arterial road network, as well as [driver licensing](https://en.wikipedia.org/wiki/Driver%27s_licence_in_Australia#Victoria) and [vehicle registration](https://en.wikipedia.org/wiki/Vehicle_registration_plates_of_Australia#Victoria).

specifically for traffic management department.

Why : To aid them in decision making on improving traffic. It will narrows down the location where traffic lights is needed. Therefore, it will possibly help narrow down the amount of traffic light simulation. However, this question may seems vague as not all factors may be considered in the process in this research. E.g: Parking, reputation, etc. And political and budget issues may trump evidenced based decision making.