

## TrendSnap

### Visualise your local information

TrendSnap is a web application that simplifies, filters and makes accessible different sources of data to answer policy related questions through animated accessible data visualisations. Application creates simple to use dashboard showing trends, snapshots and forecast of the information sought by the council.

The app is designed specifically for City Council of Leeds employees and as advised by the employees of the Intelligence Department is divided by custom made queries based on questions regularly asked by the employees. This makes the smallest possible step into making complex data issues easier to look at and organise. The tailor made custom query approach simplifies and streamlines mundane tasks being performed on weekly or monthly basis in the council.

Furthermore, its advanced filtering features make it useful tool for making informed decisions in helping citizens on everyday basis. Built in browser PDF printing allows council employees to take accessible information to the meetings and therefore facilitates making complex decisions.

Application is easily **scalable**. We can scale it by adding different custom questions and queries important for variety of department. This can incorporate any data sets and values the council has access to, for example private and open data sets as well. This way we can address and prioritise issues held in the council.

To allow maximal compatibility with different platforms, it is designed in HTML5 allowing usage on any web browser and mobile device (smartphone, tablet or laptop). To generate dashboard application uses open source JavaScript libraries making it easily customisable and accessible for Leeds City Council staff.

In the prototype we will start with the 5 most urgent questions. Once we see this approach working we can scale the application up and add more to it.

TrendSnap works in very simple way. Here are the steps user goes through while using the app:

- Website welcomes user with menu where user chooses the question.
- Each question looks at different datasets in very specific way. Addressing values and tags as advised by Intelligence department.
- After selecting the question user select areas of interest. This can be multiple or single locations on LSOA geographical level.
- Once the locations are selected application shows graphs per sector and data set selected including Housing, Crime, Health, Schools, Benefits, Population.

Link to the presentation:

<https://prezi.com/r3ggt71k35u2/trend-snap/>