Interactive dashboard for analysing business performance

Rafi Shakouri

BSc in Computer Science

ABSTRACT

The initial aim of this project was to develop an easy to use interactive dashboard for data visualisation. In this case, the dataset used contained business survival rates across all the London Boroughs across three years. The dashboard could therefore be used to easily predict business trends. No similar interactive dashboards were found after some research was conducted and thus there was an opportunity for a unique solution to be created. Instead of the dataset used, another dataset could be linked to the dashboard after some minor manipulation, creating a potential for re-use. This paper explores the originality of the solution.
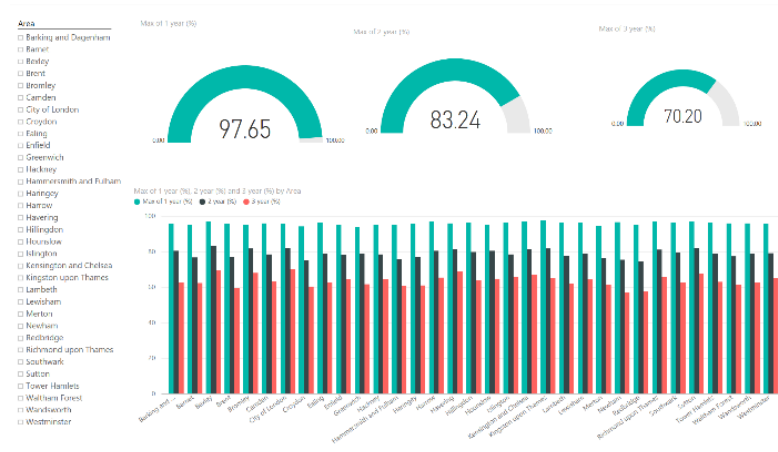
Figure 1. Microsoft Power BI dashboard

Area	Births	1 Year Survival		2 Year Survival		3 Year Survival	
		Numbers	Per cent	Numbers	Per cent	Numbers	Per cent
City of London	1,790	1,290	72	1,060	59	890	50
Barking and Dagenham	615	565	91	415	68	320	52
Barnet	2,410	2,065	86	1,635	68	1,280	53
Bexley	720	675	94	550	76	455	63
Brent	1,685	1,535	91	1,195	71	945	56
Bromley	1,320	1,195	91	975	74	790	60
Camden	2,735	2,280	83	1,855	68	1,490	54
Croydon	1,400	1,265	91	1,020	73	820	59
Ealing	1,940	1,790	92	1,400	72	1,130	58
Enfield	1,310	1,185	90	920	70	730	56

Figure 2. A small section of the data set