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| Large Scale Data Driven Applications | Interactive Dashboard Documentation | Version 1.0 |
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Contents

# Purpose

The purpose of this coursework is to implement the learnings from the first part of this coursework into an interactive dashboard that can be used by the clinic to gain valuable insight into their patients, appointment history and how this may affect no-shows for appointments. The dashboard should help the clinic gain insight into various factors that can affect no-shows by factors such as patient demographic, medical conditions, reminder effectiveness and appointment history.

The interactive dashboard will visualise data by using graphs (D3.js) and give the clinic filtering options to further explore what contributes to no-show rates. The graphs and information provided should also help the clinic identify what is causing no-show rates and should give them ideas on what can be done to reduce these.

The ultimate objective of this dashboard is to help reduce no-shows which should improve the overall quality of service that can be provided by the clinic. This will be achieved by increasing the patients turn out rate and reducing the amount of time that is wasted. This dashboard will provide the clinic and its staff with key information to increase their efficiency.