



So, what is it? CleverCogs is a system that allows users to access entertainment and services through a tablet. It's provided by Blackwood, a care services and accommodation provider for people with disabilities or other care needs, and they offer it to anyone who receives a care service.

Blackwood wanted to understand how different people use the entertainment functionality of CleverCogs in different ways. They asked us for something that would be suitable to present to one or all of Blackwood board members, the users themselves or families, or to the public.

Data and Cleaning

We cleaned the data by removing duplicates and merging all of the information we had together into one file. There were a lot of null values in variables like age and condition, but we tried to preserve data as much as possible and avoid overcleaning - so for example, don't remove null values for age if not doing an age analysis, for example.

Ailbhe: 1 min

Process

What we did - split the data by demographics like age, gender, and condition or disability. We tried to group variables like age and condition into meaningful categories.

In order to find associations between the users' demographics and CleverCogs usage, we needed to cluster the demographic information into meaningful categories.

Visualization

Why we choose data comics to visualize our data -1. Preferred to infographics. People enjoy and engage with comics more. 2. Also, a recent research article by Wang and colleagues has shown that people understand the content and remember more information when comics are used. We made sure the text and image were closely beside

