Poster script

# The idea

In the realm of fashion, it very important to look your best. Though this many apps have been made to try and help with this solution. For my contribution to this is to create an app which is able to develop with the user as it is reflective of the fashion industry and it’s ever changing nature.

# The existing applications

When looking for other apps which would help with fashion, most would focus on the social media as apect or the storage of the outfit. It was more along the line of created a notepa/database of clothes and outfits for the user to either share or use use when needed. On the rare occasion there would be apps which would have a randomisation element but only seem to be a roulette wheel of clothes rather than something more intelligent. This is were I saw a way to improve on this conecpy.

# How I wanted to improve on it

The way differentate my app is through implementing a neural network into the selcection process for the t outfits. This would mean that the app would learn the tastes of the user through continual uses and adapt to new item of clothing introduced into the system.

# The usage of neural networks

In this neural network, I’m using a non fullfuconected multiple layer perceptron network. This taks the inputs of both the individual items of clothing and the the combined input produced fro each outfit. This will then be proced by a the network to produce a result which will be compared to all the other combination of outfits within the database. once processed it will choose the item most likely for the user to want to wear.

# The success of the NN

To test the success of the prediction network, I used a personality profile to simulate ausers interaction with the app. From this I’ve been able to produce results which show that the with more time using the application the amount of oufits suggested by the app which a users would like improves over time. Therefore showing how it’s learning the tastes of the user

# The design of the app

In designing the app the 2 main screen which the users has access to is the main screen, where the randomisation of the outfits occur and are presented. With the other screen being w here the user inputs their clothes into the app and the database which stores them. From adding these to the database they will show up in recommendation within the main app slection screen. This allows the user to keep expanding the amount of clothes used by the app when they want providing a experience which continue to grow with the user.