Hi my team ~~

Team member ~~

The theme of our project is Advertising Recommendation MiddleWare which using Open CV & Keras &kafka

So our Our ultimate goal is Recommand ADv to random client

But how?

So lets Quick preview this project

We made it by 5 method ~~ 5개 읽기

If you look a little closer,

So first we get user’s facial data and predict User’s Age with facial Data

And then , With Using age feature, we send subscription to Middleware

And Adv will mathch the right place in MiddleWare

The subscription is similar to putting an adv in the message queue

Next step is Publisher publish the Adv to MiddleWare

And then, middleware publishing adv to specific Topic channel.

In this step, publishing is similar to putting an adv in the proper theme queue.

then we Send ADV to Subscriber

Through this process,we can send most the appropriate ADV to subscriber

And this is our Changed Schedule

So first point is our Was Desiging has been delayed.

Cause we want more Accuracy on model.

Which mean ~~~.왜 정확성 업그레이드

[data analysis]

First we can predict User age with facial data.

ML makes this possible.

So we have to train ML model..

To Train ML Model , we need train,test data

So we using Dataset which is in Kaggle

Kaggle is Big platform for studing ML and Datascience.

This data set have Age,Gender and ethncity

So we use about 10000 data set.(ten thosuand

The distribution of the data is shown in the following graph

we can distinguish from 5 to 116 years aged person.

So with this trained ML model

We visualize the picture by dividing it into pixels and then test with ML model

Then , We can get Age,Gender,Enthintiy feature From facial data

For Test/train data set we used ImageDataGenerator class In Keras

First make train\_dataset and then