



Images

Race

Facial Measurements

Facial Expressions

Data Collection

 Our goal was to web-scrape and collect profile photos from Tinder's web app. We would then train a model on the binary decision to swipe left or right depending on the image



Betty, 23 9 15 km away

I hate flowers. you'll never have to buy me flowers. Potatoes chips however... Not gonna lie, pretty good at pub trivia. I've even won the big money a couple times.

Guilty pleasures. drama. fancy cupcakes, and binge watching Law & Order. Dun duun!











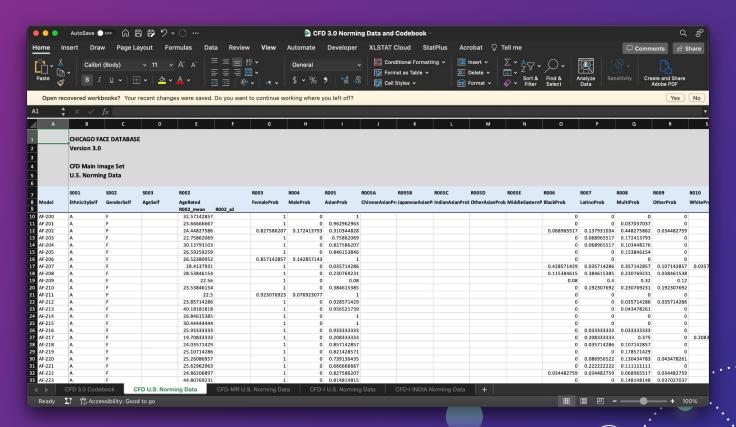
You Have Been Banned From Tinder

It's important to us that Tinder is a welcoming and safe space for everyone. Unfortunately, we found that you violated our <u>Terms of Use</u> and so we've made the decision to remove you from the Tinder Platform.

You will no longer be able to access your Tinder account or create new accounts in the future.

Please note that if you are subscribed to any premium services through the App Store or Google Play, you will need to cancel your subscription with the appropriate provider.

Dataset Sample



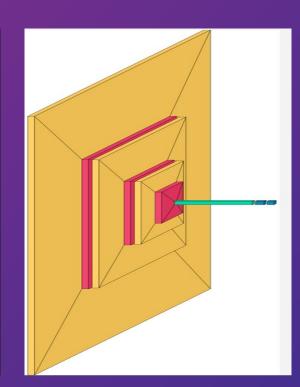
About the Data

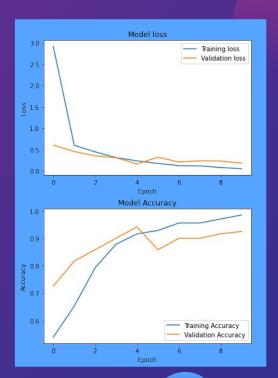
- We care primarily about Attractiveness, Gender, and Age, since those are key considerations on dating apps
- Each face was labeled by humans and the perception of features were averaged
- For men:
 - Average attractiveness rating of 3.0
 - Average age of 29.1
- For women:
 - Average attractiveness rating of 3.4
 - Average age of 28.6



Gender Identification Model

Model: "sequential_7"		
Layer (type)	Output Shape	Param #
conv2d_42 (Conv2D)	(None, 398, 398, 32)	896
max_pooling2d_21 (MaxPoolin g2D)	(None, 199, 199, 32)	0
conv2d_43 (Conv2D)	(None, 197, 197, 64)	18496
max_pooling2d_22 (MaxPoolin g2D)	(None, 98, 98, 64)	0
conv2d_44 (Conv2D)	(None, 96, 96, 128)	73856
max_pooling2d_23 (MaxPoolin g2D)	(None, 48, 48, 128)	0
flatten_7 (Flatten)	(None, 294912)	0
dense_21 (Dense)	(None, 256)	75497728
dense_22 (Dense)	(None, 1)	257
 Total params: 75,591,233 Trainable params: 75,591,233 Non-trainable params: 0		

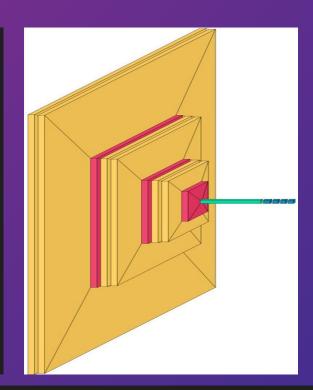


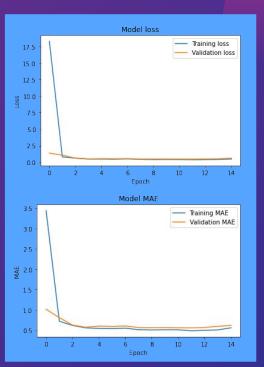


loss: 0.0472 - accuracy: 0.9853 - val_loss: 0.1779 - val_accuracy: 0.9250

Male Attractiveness Model

Model: "sequential_13"		
Layer (type)	Output Shape	Param #
conv2d_75 (Conv2D)	(None, 398, 398, 32)	896
conv2d_76 (Conv2D)	(None, 396, 396, 32)	9248
<pre>max_pooling2d_39 (MaxPoolin g2D)</pre>	(None, 198, 198, 32)	0
conv2d_77 (Conv2D)	(None, 196, 196, 64)	18496
conv2d_78 (Conv2D)	(None, 194, 194, 64)	36928
<pre>max_pooling2d_40 (MaxPoolin g2D)</pre>	(None, 97, 97, 64)	0
conv2d_79 (Conv2D)	(None, 95, 95, 128)	73856
conv2d_80 (Conv2D)	(None, 93, 93, 128)	147584
<pre>max_pooling2d_41 (MaxPoolin g2D)</pre>	(None, 46, 46, 128)	0
 Total params: 69,665,569 Trainable params: 69,665,569 Non-trainable params: 0		

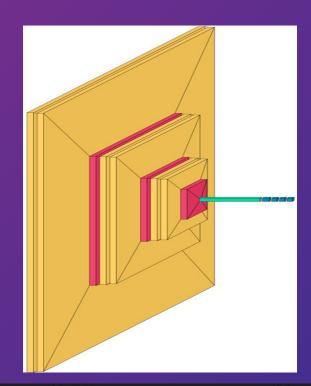


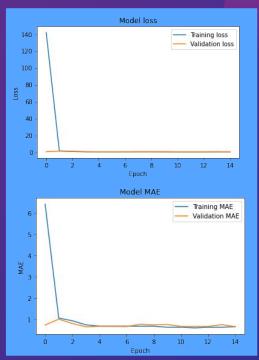


loss: 0.4779 - mae: 0.5629 - val_loss: 0.6079 - val_mae: 0.6205

Female Attractiveness Model

Model: "sequential 15"		
Layer (type)	Output Shape	Param #
conv2d_87 (Conv2D)	(None, 398, 398, 32)	896
conv2d_88 (Conv2D)	(None, 396, 396, 32)	9248
max_pooling2d_45 (MaxPoolin g2D)	(None, 198, 198, 32)	0
conv2d_89 (Conv2D)	(None, 196, 196, 64)	18496
conv2d_90 (Conv2D)	(None, 194, 194, 64)	36928
max_pooling2d_46 (MaxPoolin g2D)	(None, 97, 97, 64)	0
conv2d_91 (Conv2D)	(None, 95, 95, 128)	73856
conv2d_92 (Conv2D)	(None, 93, 93, 128)	147584
max_pooling2d_47 (MaxPoolin g2D)	(None, 46, 46, 128)	0
 otal params: 69,665,569 rainable params: 69,665,569 Won-trainable params: 0		





loss: 0.5973 - mae: 0.6365 - val loss: 0.5979 - val mae: 0.6364

Model Application

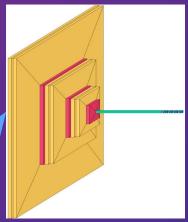
Unseen Image



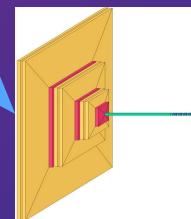
Probability Male: 1.0

Gender Prediction

Male Model



Female Model



Attractiveness
Prediction: 2.099

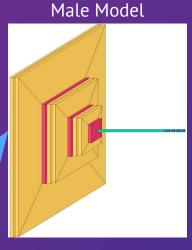
Model Application

Unseen Image

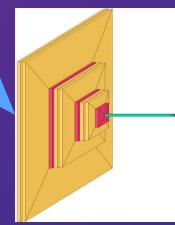


Probability Male: 0.0

Gender Prediction



Female Model



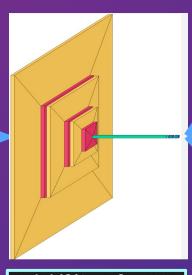
Attractiveness
Prediction: 2.163

Model Application

Unseen Image

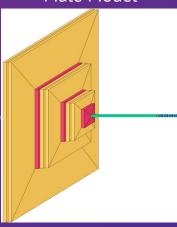


Gender Prediction

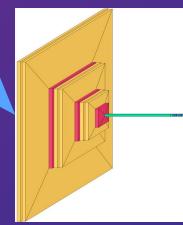


Probability Male: 0.07

Male Model



Female Model



Attractiveness
Prediction: 2.468

