Milestone Number #2

Need for Milestone #2

* Title: Your reflection may know more about you than you. Image Classification Models.
* Introduction

Society has developed incredible innovations in imagery over time. From the creation of the mirror to the invention of the camera, they have been able to tell stories and describe moments by providing a vision of oneself. Travel several years later, we are utilizing reflection technology to provide insight into one’s health, guessing their age, and even discovering themselves on social media

Our group conducted research on the current status of Image Classification. We utilized scholarly journals, blog articles, and other resources to understand the pros, cons and the future for image classification in today’s world. From our research, we want to present why this topic is important to the data science community. Let’s get started!

* Literature and standpoint
  + 20 to 30 format given by the template
* Why is this data science?
  + Models and algorithms

Image classification models are apart of the data science community; due to the fact that Image Classification Models follow ideas discussed in John D Kelleher and Brendan Tierney’s book *Data Science*. An example would include unstructured social media image data being cleaned and transformed. The model enables machine learning to look through a visual dictionary data set to discover images of users where they could possibly be in.

In this one example, a dataset was reviewed, cleaned and transformed. After they used machine learning, to discover the user in several different photos within a big dataset that is stored and processed on a server. After the model gets a result, the user is able to make a decision from the result of the model output. This follows the data science process when making decisions. Also, we could bring in ethics about social media profile images being sifted and if users are comfortable about having their images stored. Images Classification models belong!!!

Reviewing image classification models there are several ways that it belongs in the data science community,

* What is the deliverable for this project?
  + Present different image classification usages,
  + “Our team’s overall goal for this paper is to showcase the importance of Image Classification Models within the data science field.”

The deliverable of this project will present the current status of Image Classification models. It will aim to understand the following subjects within Image Classification models.

* Current Industries that utilize Image Classification Models
* Current issues with security and ethics within Image Classification Models
* Conclusions
  + Why should I care?
  + Maybe if the future offering image classification can offer in the future.
  + Facial recognition within city and government CCTV systems and surveillance.
  + Infrared sensing imaging that provided ground and building information during Oakland fires in 2017.
* Acknowledgments
  + Fun Stuff

**ACM Citations**

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