Capstone Project Kary Harsh

Machine Learning Engineer Nanodegree Month DD, YYYY

Definition

Project Overview

We all are familiar with Diabetes mellitus (DM), commonly known as diabetes, is a group of metabolic disorders characterized by high blood sugar levels over a prolonged period. According to IDF(International Diabetes Federation) 425 Million adults have diabetes in which 1 in 2 remain undiagnosed. One of many causes of it is Diabetic retinopathy eye Disease.

Diabetic retinopathy affects blood vessels in the light-sensitive tissue called the retina that lines the back of the eye. As Computers are getting better at understanding images due to advances in computer vision. We can now able to detect and diagnosis diseases quite well. With this we can able to gain the ability to automatically screen images for disease and provide information on how severe the condition may be.

In this project i worked on Deep learning CNN algorithm adept at processing images, and training the model on large set of retina images to determine the severity level of the patient. The project was a [Kaggle Competition](https://www.kaggle.com/c/aptos2019-blindness-detection).

Problem Statement

Metrics