

Project ID: PW22MHR02

Project Title: Visual Question Answering on Statistical Plots

Team Members: Sneha Jayaraman (PES1201802825), Sooryanath I T (PES1201802827), Himanshu Jain (PES1201802828)

Project Guide: Prof. Mamatha H.R.

Project Abstract:

Question answering systems have been used in various domains and applications like dialog systems, and medical domains for interaction with patients. We have identified the domain of data analysis where question answering systems can be used. The statistical charts are used on a regular basis for data visualization to interpret the data and derive meaningful inference from them. This process can be automated using Question answering systems. Users can impose a question to the system, for a particular statistical chart, and the system must provide the answer to it in the most accurate manner. Building such a system requires the usage of right architecture, right frameworks and huge amounts of data. Once the model is built that satisfies the requirements, it can be deployed to a web application where a user can upload an image and, input a question, to generate the expected answer.