UTKU ACAR / 250206062

EE434 Biomedical Signal Processing Homework 1

1. Links of biomedical images databases are given below:
   a. MedPix National Library of Medicine: https://medpix.nlm.nih.gov/

   b. HARVARD Dataverse:
      https://dataverse.harvard.edu/dataverse/harvard/?q=biomedical+image

   c. Kaggle: https://www.kaggle.com/search?q=biomedical+image+in%3Adatasets

2. Brief information about databases which are given above:
   a. MedPix is a government database that focuses on Biomedical signals (images mostly) like MRI, X-ray, CT, etc. This database can be used without any signing-in process. Each image has been marked by age, gender, diagnosis by doctors and patients themselves, and detailed medical information about images.

   b. HARVARD Dataverse is a database that not just specializes in biomedical images but there is a wide range of datasets, documents about law, science, engineering, medical, sociology, psychology, etc. Contributors are from all over the world. They give brief information about their data and uploads their findings to the article such that everyone can access required information or datasets easily.

   c. Kaggle is a programming site that has been focused on Machine Learning, Deep Learning, and Image processing which also provide datasets for free to any user. It has also a wide range of research areas for datasets such as Medical (MRI, CT, X-ray etc.), Finance and Linguistic datasets. Contributors explain the contents of their cases and datasets then upload their data (dataset or essays etc.) to accessing all the users easily. This website has a built-in file explorer which provides the user to preview the data without any need for downloading and this feature makes research of users easier.