Project Proposal

Team member's details:

- Group Name: IntiLP (Intelligent Language Processing)
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- Specialization:
    - NLP

Problem description:

With the ongoing struggle for combating cancer, it has become increasingly important to find underlying causes that may be related to the onset of the disease. Researchers in the biomedical field are constantly looking for new biological markers that may be incorporated into their cancer detection assays. Here we define a biological marker as either a gene or protein that has been observed in that specific disease or cancer. One major issue is that scientists must read through large amounts of articles to find new candidates of biological markers for their cancer assays. Here we propose an approach to use a deep learning NLP model that may be able to extract important information from biomedical literature and return a list of biological markers related to that disease. Here we will focus on 3 major types of cancer: lung, pancreatic, colon.

Github Repo Link:

dldisha/IntiLP (github.com)