Project Name: Prediction of gene/protein localization dataset with Design thinking Principles

Student Name: Shwetha Elavarasan

End Username: Sheik Mohammed Raja

Company: Zifo RnD

Empathy map

SAYS

Prediction of Function and Localization attribute

Compare with two classifiers

THINKS

Attributes relating to proteins encoded by gene

Belief network classifier can handle missing data

FEELS

Overwhelmed by large amount missing data

Curious on data analysis for the given data

DOES

Provides details of one type of organism

Compare with and without the use of interaction data

INSIGHTS AND CONCULSIONS

Understand the relationship between attributes

Predict the use of attribute Localization in the given data

Using a classifier that can handle missing data

Use of interaction relation in knowing the relationship between one to another

To conclude the multi-attribute structure of genes, missing data, and requirement to evaluate gene interactions make this dataset extremely complicated.

Overcoming these obstacles might lead to improvements in data mining methods, especially in the genomics domain

How efficiently we can use interaction relation to know the patterns.