Assignment 2

Artificial Neural Network

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Artificial Intelligence Computing

MCOMD2AIC

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# Implementation

https://blog.goodaudience.com/heart-disease-prediction-aa656f2db585

<https://towardsdatascience.com/how-to-split-a-dataset-into-training-and-testing-sets-b146b1649830>

# Other Models

There are many, many methods of machine learning that can be used for prediction purposes, however as with all ways of doing things, there is no “right way”. There are many factors to consider when looking at what method to use, accuracy, precision, suitability, ethical issues, legal issues etc. Firstly, we will look at the different types of machine learning models and how they work, then we shall delve into these factors and then conclude with which model is more suitable and why.

# they look into different parameters, even just the solver in ANN can change the results drastically.

## Artificial Neural Network

## Support Vector Machine

## K-Nearest Neighbour

## Multi-Agent Feature Wrapper

## Naïve Bayes

## Conclusion

# Link to Source Code

https://github.com/KieranBest/AI-Assignment-2

# References

Elhoseny, M. e. (2021). A new multi-agent feature wrapper machine learning approach for heart disease diagnosis. *Comput. Mater. Contin, 67*, 51-71.

Pouriyeh, S. e. (2017). A comprehensive investigation and comparison of machine learning techniques in the domain of heart disease. *IEEE symposium on computers and communications (ISCC)*, 204-207.