

Studying the most relevant risk factors for heart disease

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GOALS

- Identify the most relevant risk factors.
- Building a reliable algorithm that can predict early cases of heart diseases.

EXPECTED RESULTS

- Early prediction of heart disease is possible given certain health information about a patient.
- Old males have a greater possibility in developing heart diseases.
- Major causes of heart failure: hypertension (HT) and valvular disease (VHD).
- A healthier lifestyle can lead to a lower likelihood of suffering from heart disease.

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KEY ETHICAL

- Obtaining consent for using the dataset.
- Respect patients privacy, by keeping anonymity and data protection.
- Avoiding plagiarism.
- Computer-aided support tool (not intended for replacement).

SUSTAINABILITY ISSUES

- Improving patient medical treatments.
- Reduce hospitalization expenses for facilities.
- Trying to maintain and improve the relationship among doctors and patients.
- Reduce fatigue for physicians.