

Predicting Heart Disease

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Problem Statement

- Given simple measurements it is our job to predict whether a patient has heart disease

Business Value

- Heart Disease is the number one cause of death in America
- Accurately predicting heart disease can save lives and resources
- We can find what information matters

Methodology

- Making comparisons to find relationships
- Using statistical methods to find the most important measurements
- Have a machine make consistent predictions

Findings

- Females are more likely to have heart disease
- Risk factors are the same for both genders
- Age does not seem to be significant
- Maximum heart rate plays a big role
- Able to detect disease 86% of the time

Business Recommendations

- Screen patients' max heart rates
- Implement ML models to back up doctors
- Let female patients know they are at higher risk