

## Results:

## Evaluation

- **Accuracy:** The tool's predictions must be reliable and precise, and its performance should be evaluated in terms of its sensitivity, specificity, and precision for various diseases or conditions.

- **Data privacy:** The tool must ensure that patient information is kept safe and accessible only by authorized personnel. It must comply with all relevant data protection regulations.

- **Transparency:** Users must be able to understand how the tool works and what data it uses to make predictions. This requires a detailed explanation of the models used and how the tool arrives at its results.

- Validation and testing: The tool should undergo rigorous validation and testing to determine its efficacy. It should be tested on a variety of populations to ensure its accuracy and reliability.

By considering these criteria, we can determine the effectiveness of a tool and ensure that it is reliable and trustworthy for use in healthcare settings.

## Conclusion

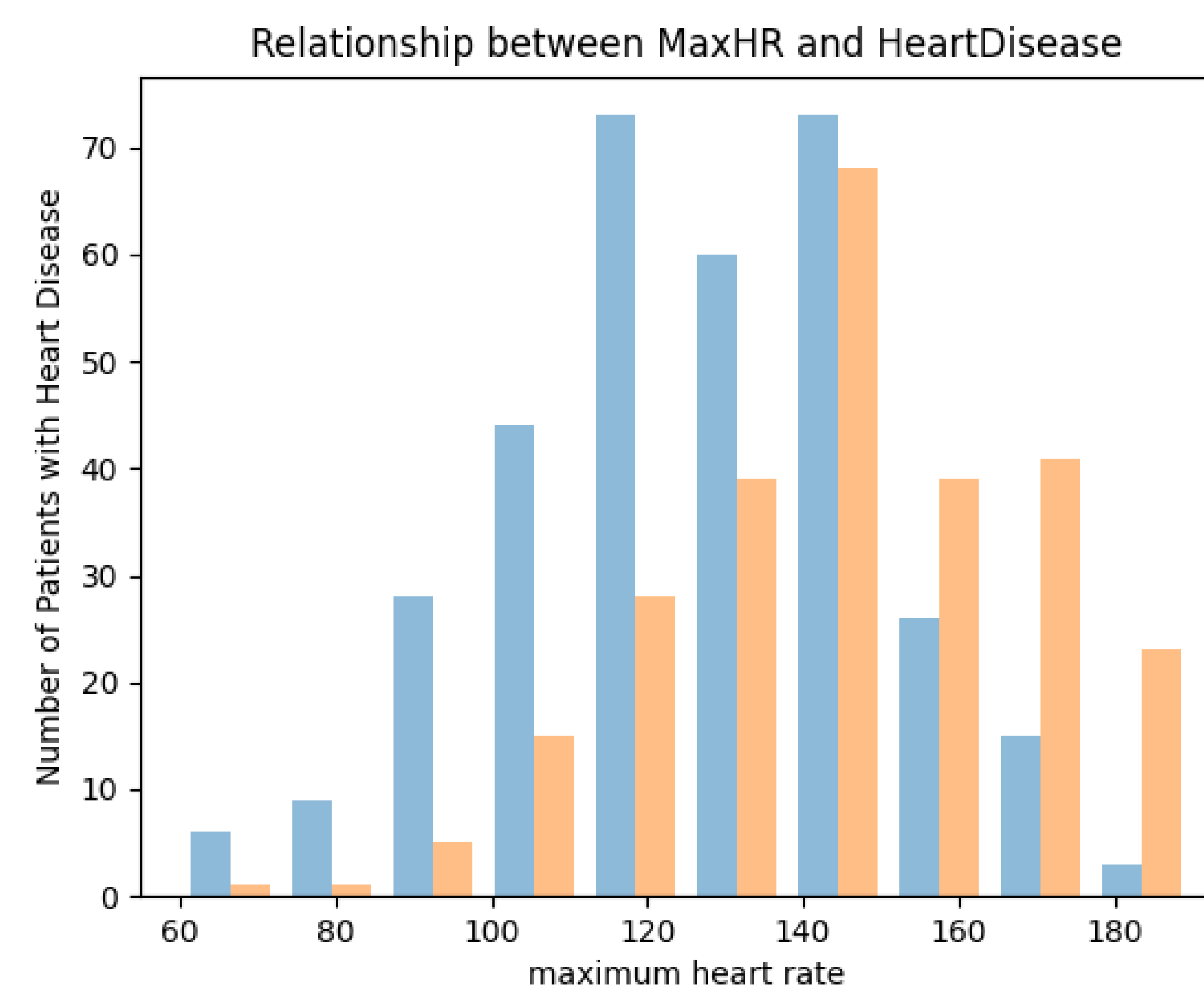
The Medical AI Disease Diagnostic Tool has potential to revolutionize the medical industry, but its effectiveness is dependent on quality data input. Ethical considerations, such as protecting patient privacy and avoiding bias, must be considered. Responsible development and utilization of the tool is essential for maximizing its potential for improving healthcare outcomes while keeping patient care at the forefront of efforts.

# Introduction

## Implementation: Overview

The Medical AI - Disease Diagnostic Tool is an application that uses machine learning and statistical models to predict diseases or medical conditions based on input data from the user. The application includes the following key characteristics:

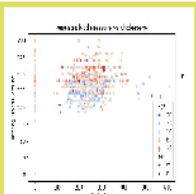
- Inputting patient symptoms and medical history
  - Data Cleaning and Preparation
  - Machine Learning/Statistical Models
  - Prediction Results
- Build with**
- TensorFlow and Python



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Disease Diagnostic

Home About Contact



Enter User Information

Name:

Age:

Gender:

Select Gender

Enter User Health Information?

Childhood Leash:

Rhoad Presence:

Do You Have Any Existing Illness or Medical Condition?

Do You Exercise?

☐ Yes

☐ No

Did you travel:

☐ Yes

☐ No

Medical History (such as family history of condition):

Do You Have These Symptoms?

Fever:	Cough:	Shortness of Breaths:	Fatigue:	Body Aches:	Loss of Smell or Taste:	Head Ache:	Diarrhea:
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High Blood Pressure:	Headache:	Sore Throat:	Rhoad Fever:	Nausea or Vomiting:	Chills:	Chest Pain:	High Blood Pressure:
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High Cholesterol:	Arthritis:	Heart Rate Problems:	Complicated Blood Issues:	Prolonged Cough Duration:	Head Cane:	Sore Throat:	Stomach Issues:
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