



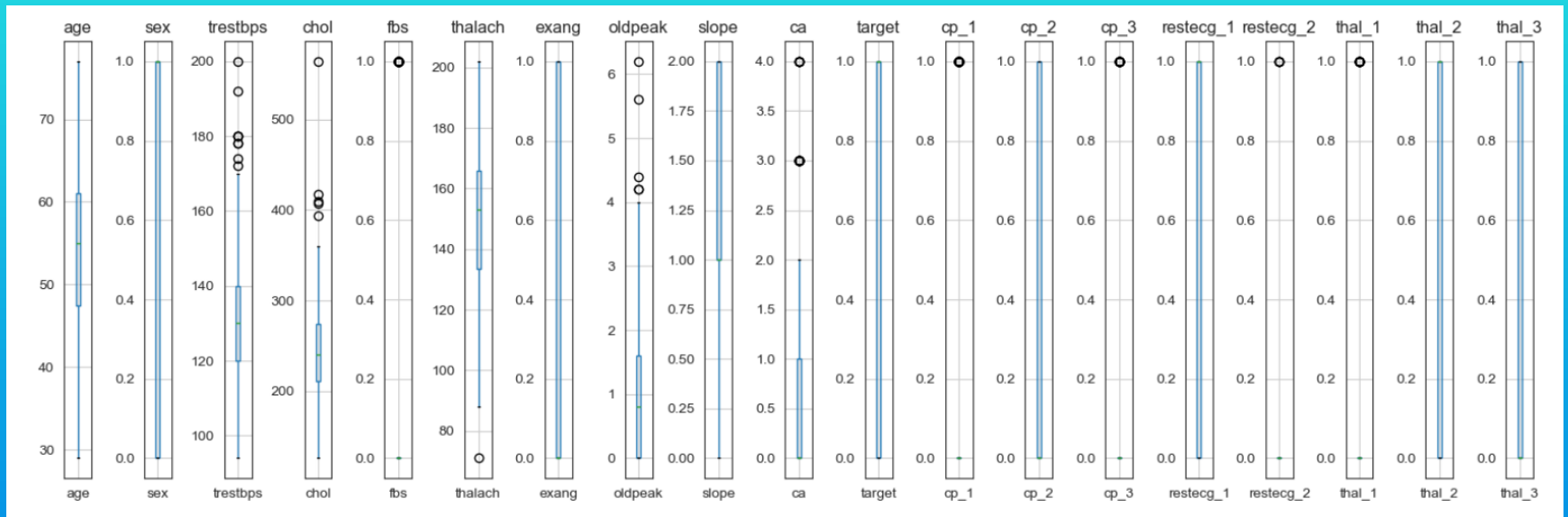
# HEART DISEASE

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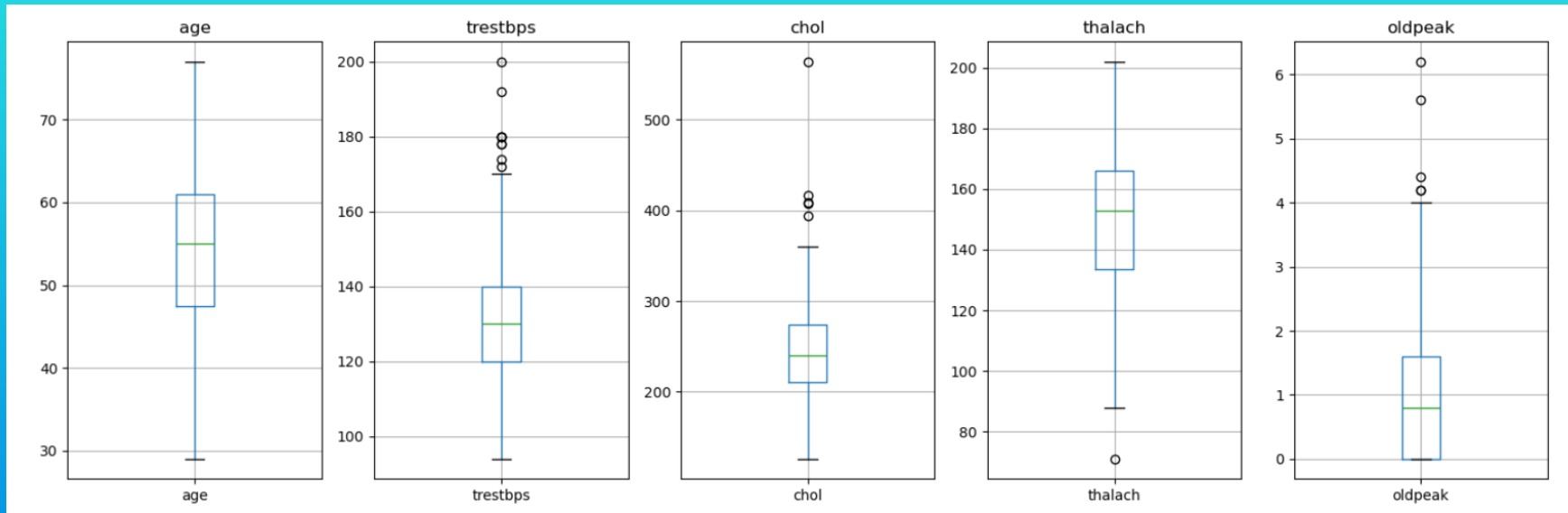
# Dataset Information: Dataset includes the following features:

- **age:** The age of the patient.
- **sex:** Gender of the patient (0: female, 1: male).
- **cp:** Type of chest pain.
- **trestbps:** Resting blood pressure.
- **chol:** Serum cholesterol.
- **fbs:** Fasting blood sugar > 120 mg/dl.
- **restecg:** Resting electrocardiographic results.
- **thalach:** Maximum heart rate achieved.
- **exang:** Exercise induced angina.
- **ca:** Number of major vessels (0-4) colored by fluoroscopy
- **oldpeak:** ST depression induced by exercise relative to rest
- **thal:** Four unique results are available. The most common type is "2" (indicating a reversible defect), observed 166 times.

# Outliers Check



# Outliers Check



**Sum of Outliers of all columns:**

age : 0

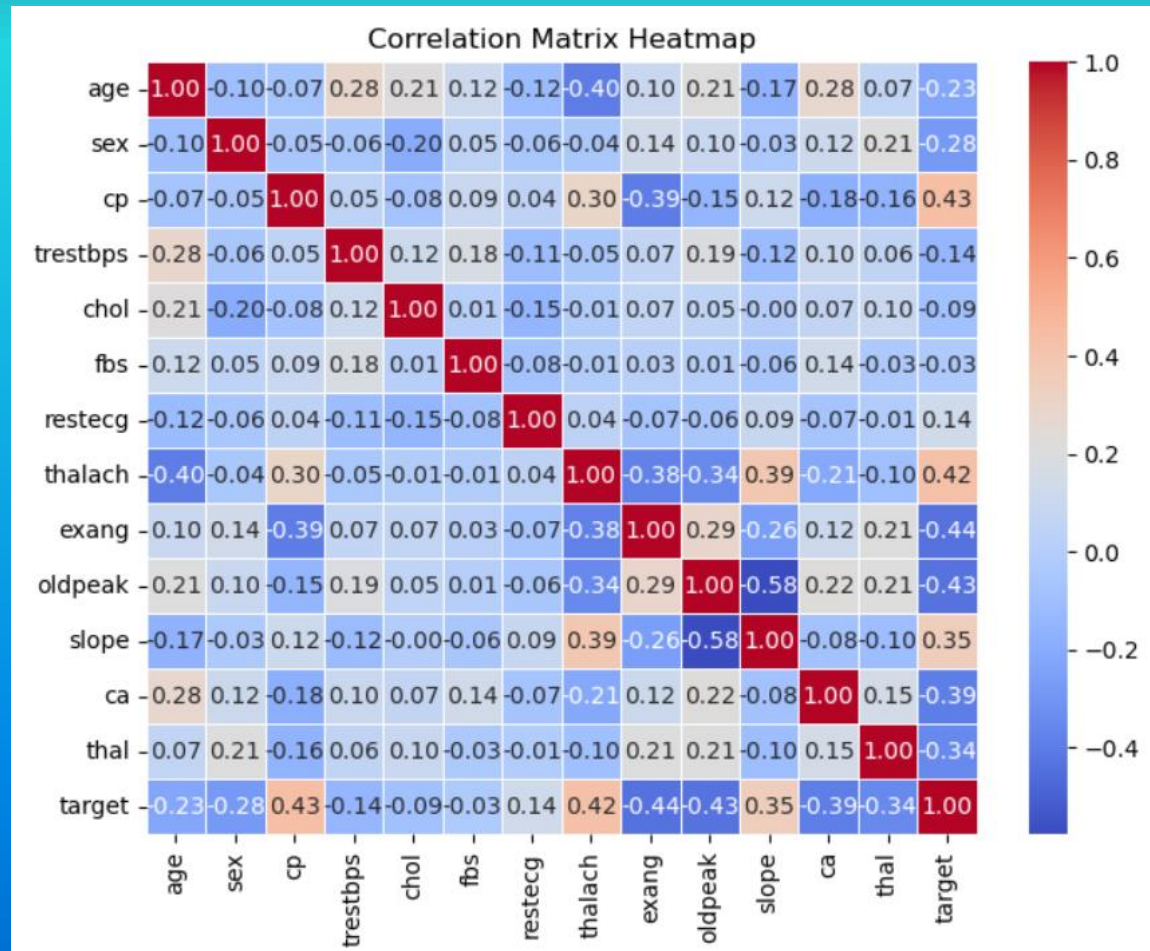
trestbps : 9

chol : 5

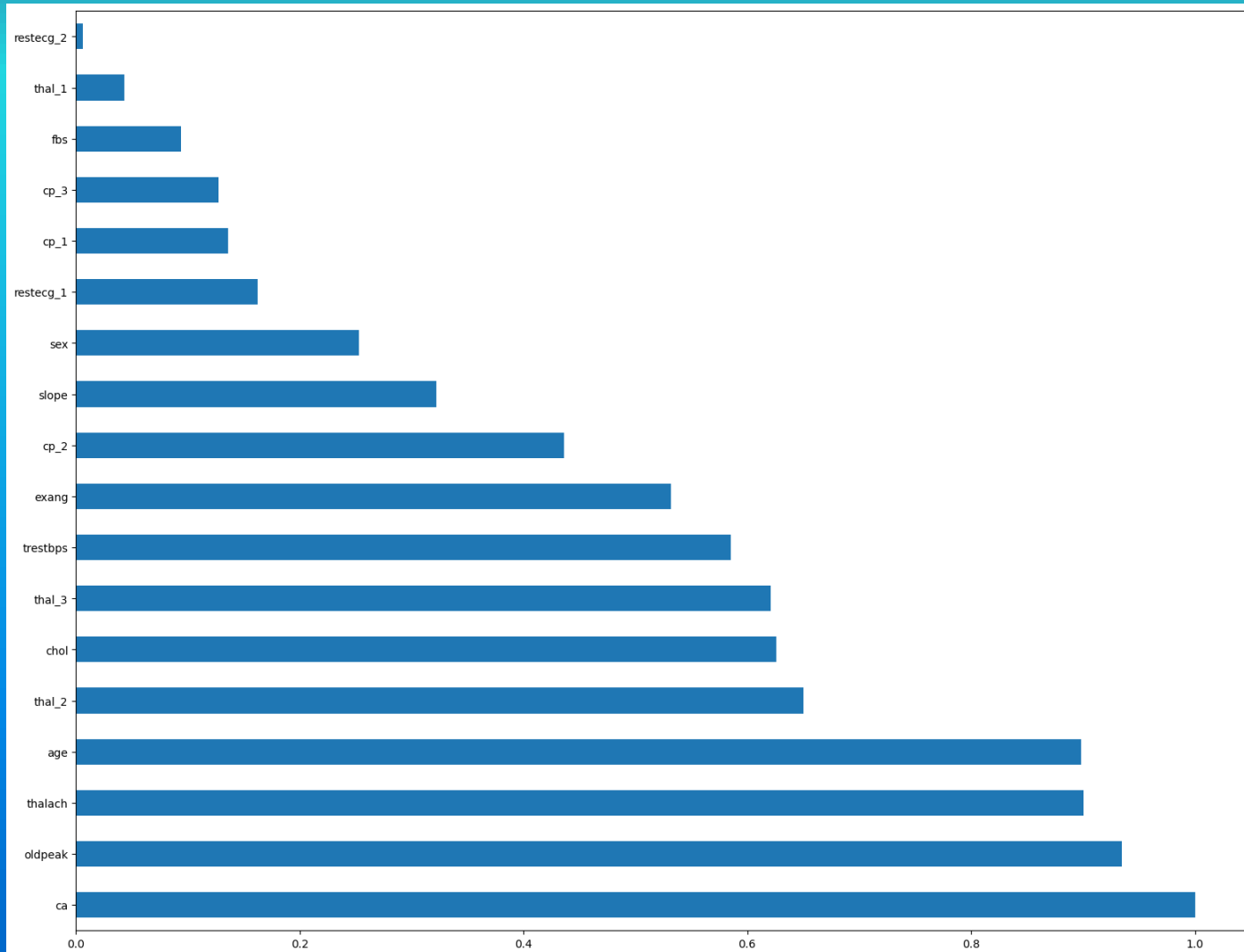
thalach : 1

oldpeak : 5

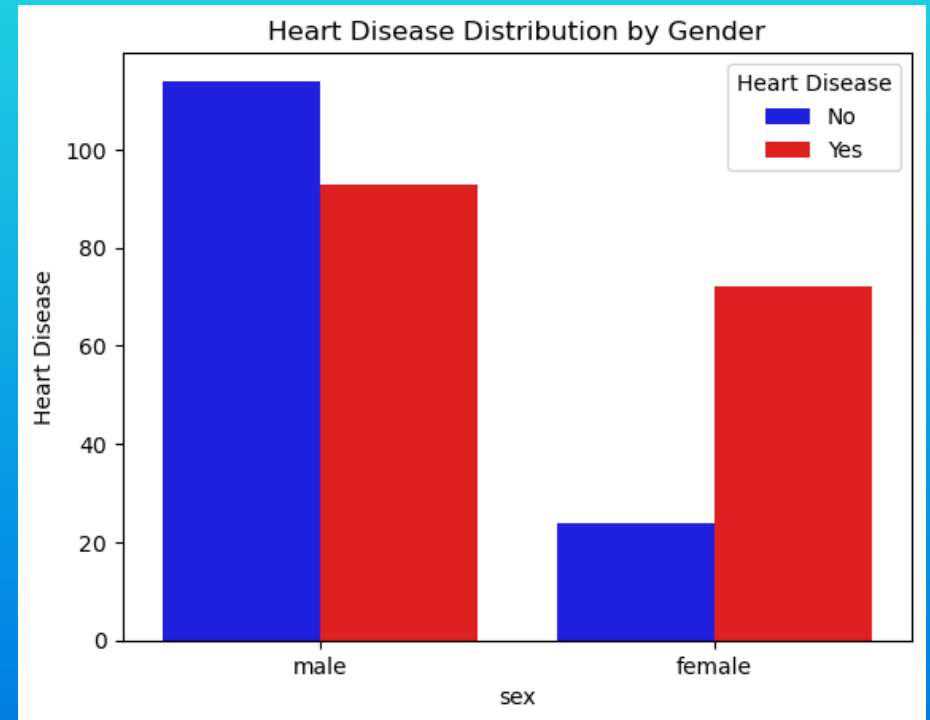
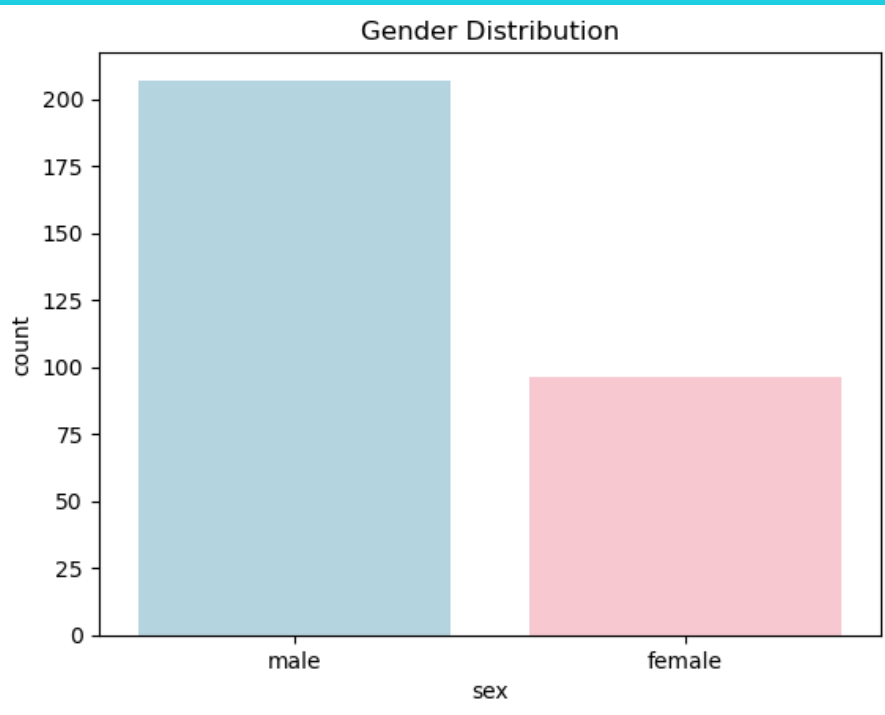
# Correlation among features



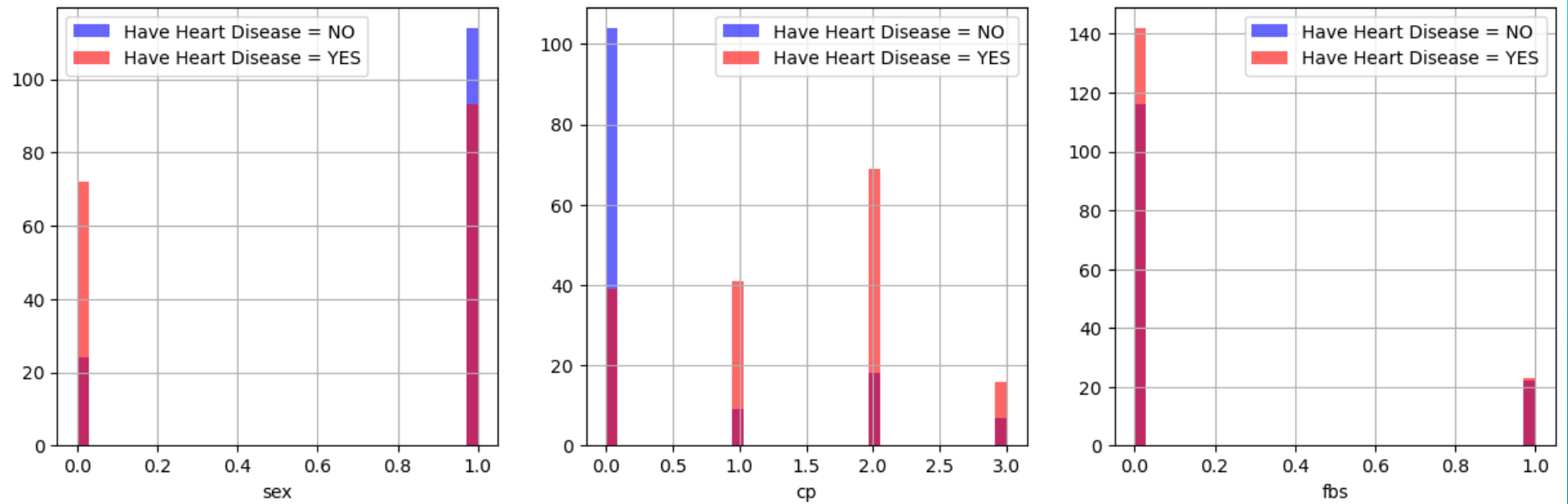
# Feature Importances



# Distribution by Gender

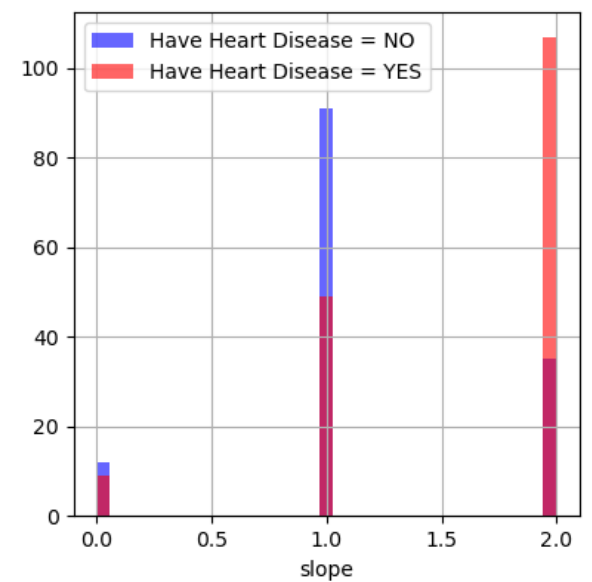
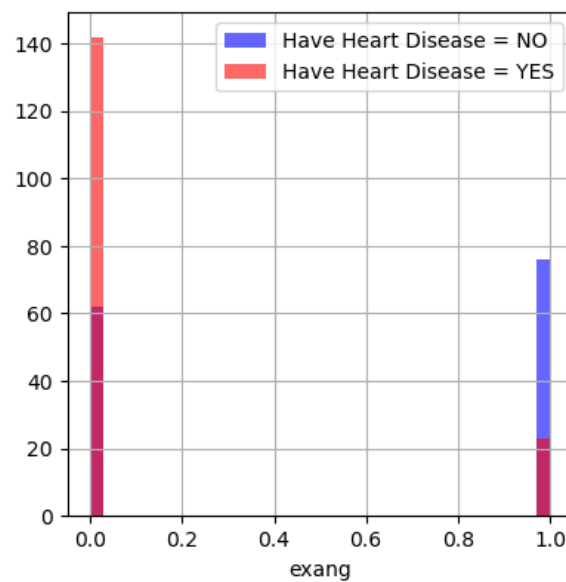
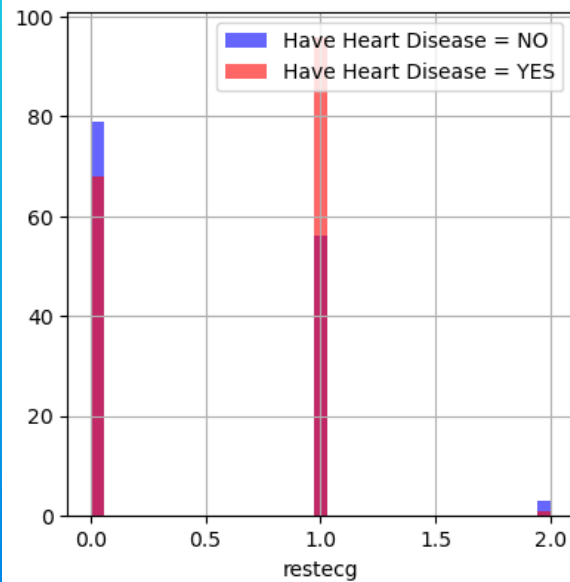


# Distribution of each category

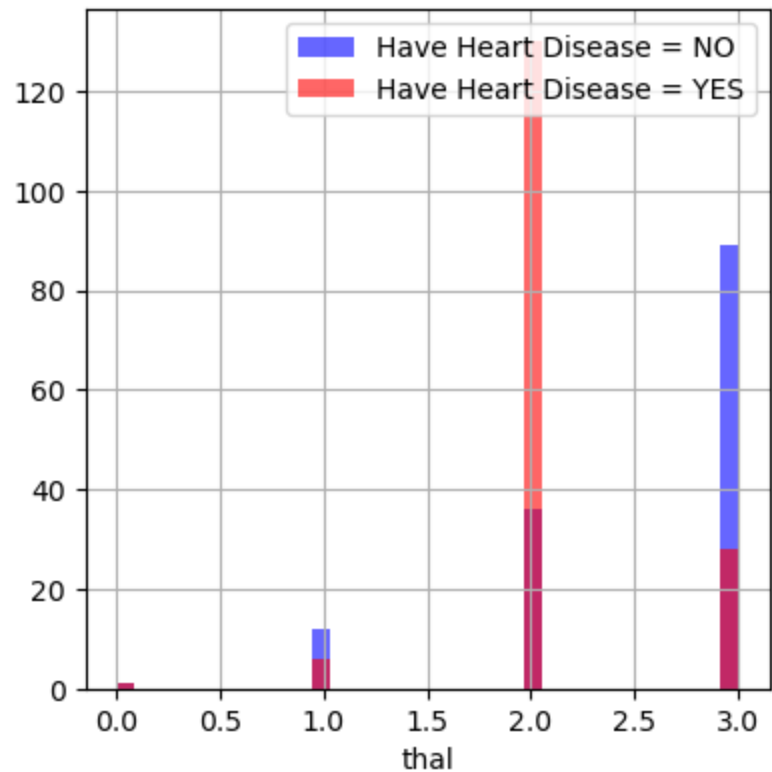
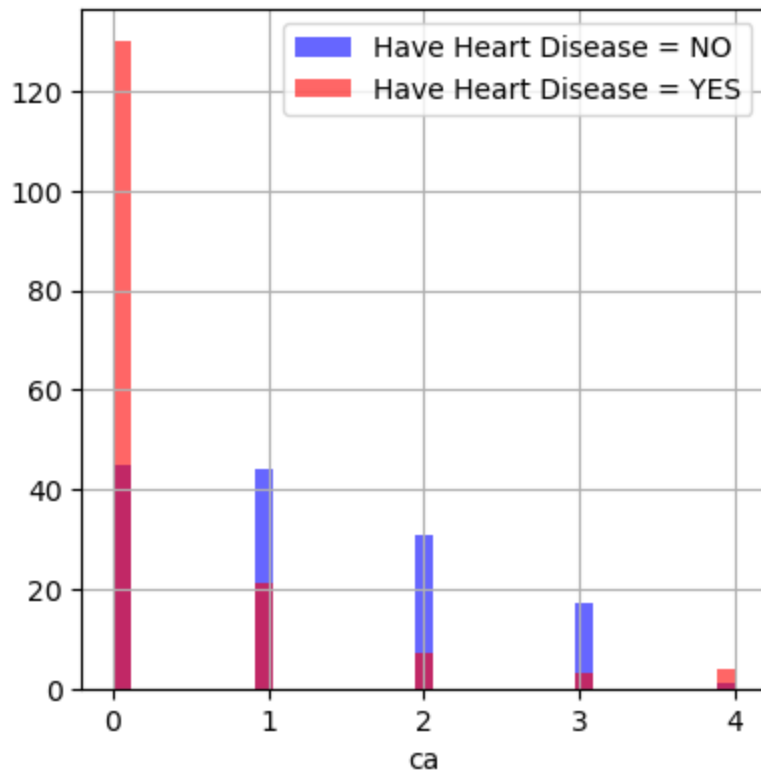




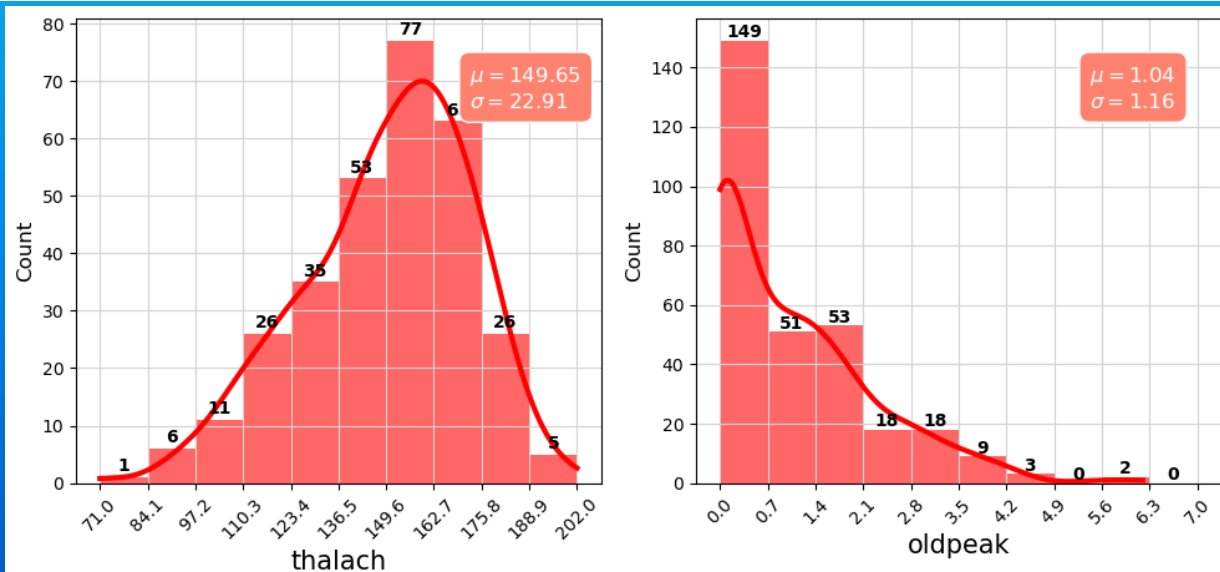
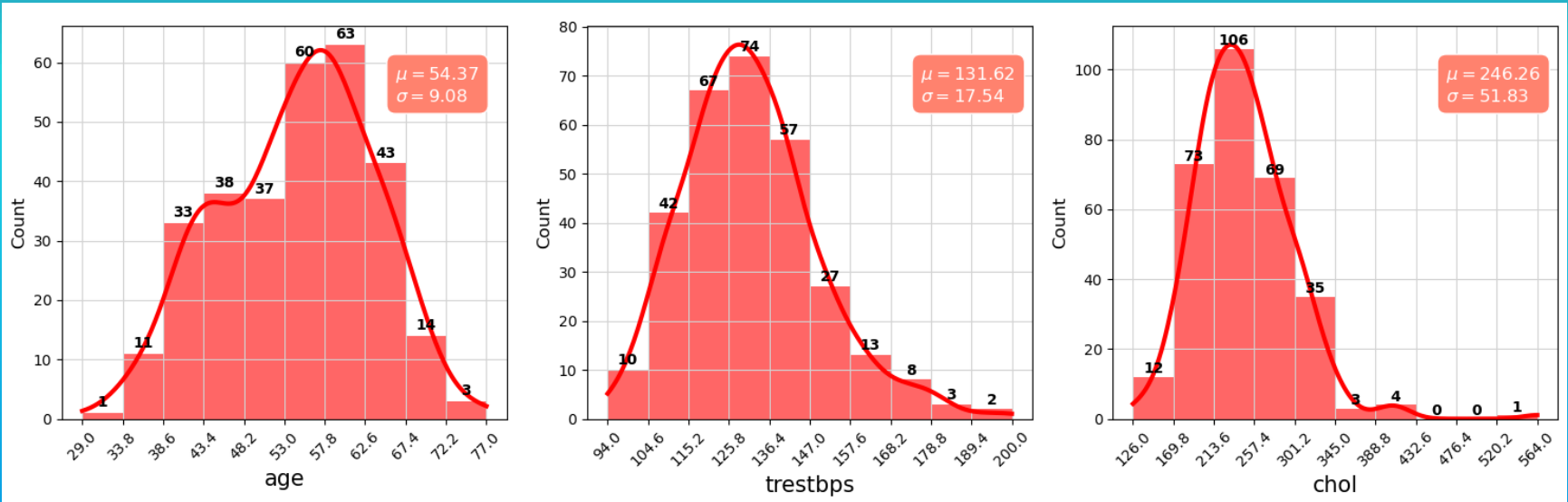
# Distribution of each category



# Distribution of each category



# Distribution of Continuous Features



# Conclusion

