# Machine Learning Applied to Hepatocellular Carcinoma

Sangil Lee, Yujing Lu, Josh Tomiyama

2022-04-24

Background of Hepatocellular Carcinoma (HCC)

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### **Dataset Summary**

# Dataset Summary

 ${\sf Table\ 1:\ HCC\ Data\ Summary}$ 

|              | Overall (N=165) |
|--------------|-----------------|
| gender       |                 |
| female       | 32 (19.4%)      |
| male         | 133 (80.6%)     |
| symptom      |                 |
| no           | 53 (36.1%)      |
| yes          | 94 (63.9%)      |
| N-Miss       | 18              |
| alc          |                 |
| no           | 43 (26.1%)      |
| yes          | 122 (73.9%)     |
| hepBsurfAnti |                 |
| no           | 132 (89.2%)     |
| yes          | 16 (10.8%)      |
| N-Miss       | 17              |
| henReAnti    |                 |

Random Forest Model

# Description

#### **Estimated Performance**

#### Calibration Plots

# Variable Importance

# Partial Dependence



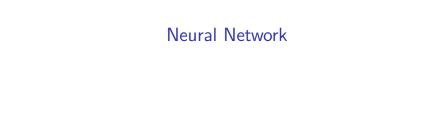
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