



NSF·Duke·NCSU·UNC

**Interdisciplinary Workshop for Undergraduate Students**

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**PROJECT ABSTRACT**

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**Project II – Heart Disease**

*“Subgroup analysis of the Cleveland Heart Disease”*

**Abstract:**

It is described in the literature that the maximum heart rate achieved (thalach) variable is related to cardiac mortality. In addition, some categorical variables are also used to check heart problems including chest pain type, exercise-induced angina indicator, ST depression induced by exercise relative to rest, slope of the peak exercise ST segment, the number of major vessels colored by fluoroscopy, and the heart status (normal = 3; fixed defect = 6; reversible defect = 7). In this project, our interest is to conduct subgroup analysis for the thalach as the response.