BMEN619 Heart Failure Prediction Data Exploration

Veronica Obodozie

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# 1. Introduction

These guidelines include complete descriptions of the fonts, spacing, and related information for producing your proceedings manuscripts.

# 2. Data Description and Background

Selected data

Ethical Usage License

Data Exploration

Data Visualization

How many samples

Patterns

Hwit looks

Any missing data

Visualization

Vsual and categorization

Patterns

Show distribution

Statistical Analysis

Numpy describe

Outlier detection

3std of mean z score

Balance

Balance

Can cause bias to models balancing improves fairness and generalizability

Proportional representation of categories

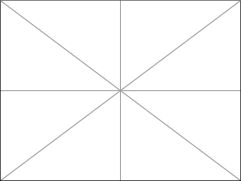
Feature Correlation.

# 3. Data Exploration

The paper title (on the first page) should begin 1.38 inches (35 mm) from the top edge of the page, centered, completely capitalized, and in Times 14-point, boldface type. The authors’ name(s) and affiliation(s) appear below the title in capital and lower case letters. Papers with multiple authors and affiliations may require two or more lines for this information.

# 8. Illustrations, graphs, and photographs

Illustrations must appear within the designated margins. They may span the two columns. If possible, position illustrations at the top of columns, rather than in the middle or at the bottom. Caption and number every illustration. All halftone illustrations must be clear black and white prints. If you use color, make sure that the color figures are clear when printed on a black-only printer.



**Fig. 1.** Example of placing a figure with experimental results.

# 14. References

[1] A.B. Smith, C.D. Jones, and E.F. Roberts, “Article Title,” *Journal*, vol. <volume>, no. <issue number>, pp. <page range>, Month Year.

[2] C.D. Jones, A.B. Smith, and E.F. Roberts, “Paper Title,” in *Proceedings Title*, Publisher, Location, Year, vol. <volume>, pp. <page range>.