

**Artificial Intelligence-Driven Detection of Genetic Mutations in Glioblastoma Multiforme  
Using Genomic Data**

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**Abstract**

This paper explores the application of AI in detecting genetic mutations in Glioblastoma Multiforme (GBM) using genomic data. The abstract summarizes the introduction, methods, results, and discussion.

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**Introduction**

This paper introduces the use of artificial intelligence in medical genetics, focusing on the detection of mutations in glioblastoma multiforme. References to prior studies will be made throughout the paper (**Sample2024**), (**FullBook2021**).

**Method**

**Participants**

This section describes the study’s participants, including demographics and recruitment details.

**Materials**

Details of materials used, such as the genomic data sources and the AI model, are provided here.

**Procedure**

This section outlines the procedural steps followed, including data collection and model training.

**Results**

**Descriptive Statistics**

A table of the key descriptive statistics for the data used is included.

**Table 1**

*Descriptive statistics for genetic mutation detection.*

Mutation Type	Frequency
TP53	45%
IDH1	30%

**Inferential Statistics**

Statistical tests show significant differences in mutation detection between methods,  
1113.21.

**Discussion**

This section discusses the implications of the findings and ties them into existing research,  
with suggestions for future work.