

# High Dimensional Statistics IV MATH4287 - Mini Project Report

## Does dimensionality reduction improve clustering performance in high-dimensional gene expression data?

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## 1 Introduction

[1] [2] [3] [4] [5] [6]

## 2 Objectives & Questions

## 3 Literature Review

## 4 Methods

- 4.1 Dataset & Exploratory Analysis
- 4.2 Clustering without Dimensionality Reduction
- 4.3 Dimensionality Reduction
- 4.4 Clustering after Dimensionality Reduction

## 5 Results & Findings

## 6 Conclusion

## 7 References

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## 8 Appendix