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**Assessment Cover Page**

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| *Student Full Name* | Ridney Gomes Barbosa da Silva |
| *Student Number* | 2025417 |
| *Module Title* | Statistical Techniques for Data Analysis |
| *Assessment Title* | Group lost their weight by consuming health diet and exercise |
| *Lecturer/Supervisor* | Dr. Shree Krishna Acharya |
| *Assessment Due Date* | 06 October, 2025 |
| *Date of Submission* | 04 November, 2025 |

**Use of AI Tools**

**Choose the statement that fits your work and delete the other.**

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I further confirm that this work has not previously been submitted for assessment by myself or someone else in CCT College Dublin or any other higher education institution.



GROUP LOST THEIR WEIGHT BY CONSUMING HEALTH DIET AND EXERCISE

RIDNEY GOMES BARBOSA DA SILVA

Capstone Project Proposal presented as a partial requirement for approval in Statistical Techniques for Data Analysis discipline of Higher Diploma in Data Analytics for Business at CCT College.

Lecture: Dr. Shree Krishna Acharya

Dublin, 2025

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# Descriptive statistics

# Central tendency measure

..

150 words

# 1.2 Variability measure

150 words

**Keywords:**

.

# Probability distribution

.

## 2.1 Normal probability

.

## 2.2 Count and unique values

# Similarity metrics

## 3.1 Euclidean distance

## 3.2 Covariance

## 3.3 Correlation

# Hypothesis test

## 4.1 First test

## 4.2 Second test

## 4.3 Thirty test

# Objectives

.

# Methodology

.

Figure 1.

Source: (Author’s Own, 2025)

## Step 1.

## Step 2.

## Step 3.

## Step 4.

# Results and analysis

Figure 2.

Source: (Author’s Own, 2025)

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Figure 3. .

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Figure 4.

# 

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# Conclusion

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# References

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<https://www.w3schools.com/statistics/statistics_standard_deviation.php>

# Appendix