VIETNAM NATIONAL UNIVERSITY HO CHI MINH CITY-UNIVERSITY OF SCIENCE-INFORMATION TECHNOLOGY

HO THIEN PHUOC

MSA- LAB 03

|| Guided by ||

Mr. PHAM MINH HOANG

Report

CATALOGUE

▪ Report

▪ Personal information (Student Id, Full Name)

▪ Solution

CONTENT

REPORT

Requirement	Completion
Min, Median, Max, Min, Range	100%
Variance & Standard Deviation	100%

PERSONAL INFORMATION

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SOLUTION

- Mean, Median

$X = [1\ 2\ 3\ 4\ 5]$

$mean(X) = \dfrac{1+2+3+4+5}{5} = 3$

$median(X) = 3$

- Variance & Standard Deviation

$$\sigma^2 = \frac{\Sigma(\chi - \mu)^2}{N}$$

$X = [1, 2, 4, 6, 7]$

$mean(X) = \dfrac{1+2+4+6+7}{5} = 4$

$Y = [-3, -2, 0, 2, 3]$

$\sigma^2 = \dfrac{\Sigma(\chi-\mu)^2}{N} = \dfrac{(-3)^2 + (-2)^2 + 0^2 + 2^2 + 3^2}{5} = 5.2$

$\sigma = \sqrt{5.2} \approx 2.28$