

Summation Notation Worksheet

Psyc 201 II Dr. Root

A researcher developed a scale to measure general daily happiness that used the response scale shown below. Use the data from a sample of individuals shown below and complete the following summation notation problems on their general happiness scores.

- 4	- 3	- 2	- 1	0	1	2	3	4
Very Unhappy		Somewhat Unhappy		Neither Happy nor Unhappy		Somewhat Happy		Very Happy

1. $\sum X$

$X_{\text{Happiness}}$
0
-4
2
3
-2
2

2. $\sum X^2$

3. $(\sum X)^2$

4. $\frac{\sum X}{N}$

5. $\sum (X - 3)$

6. $\sum X - 3$