

# **Illustration of Data Structures for a Data Set with Three Dyads, Six Persons, and Three Variables (X, Y, and Z)**

## Individual

<i>Dyad Person</i>		<i>X</i>	<i>Y</i>	<i>Z</i>
1	1	5	9	3
1	2	2	8	3
2	1	6	3	7
2	2	4	6	7
3	1	3	6	5
3	2	9	7	5

## Dyad

<i>Dyad</i>	<i>X</i> <sub>1</sub>	<i>Y</i> <sub>1</sub>	<i>Z</i> <sub>1</sub>	<i>X</i> <sub>2</sub>	<i>Y</i> <sub>2</sub>	<i>Z</i> <sub>2</sub> <sup>a</sup>
1	5	9	3	2	8	3
2	6	3	7	4	6	7
3	3	6	5	9	7	5

## Pairwise

<i>Dyad</i>	<i>Person</i>	<i>X</i> <sub>1</sub>	<i>Y</i> <sub>1</sub>	<i>Z</i> <sub>1</sub>	<i>X</i> <sub>2</sub>	<i>Y</i> <sub>2</sub>	<i>Z</i> <sub>2</sub> <sup>a</sup>
1	1	5	9	3	2	8	3
1	2	2	8	3	5	9	3
2	1	6	3	7	4	6	7
2	2	4	6	7	6	3	7
3	1	3	6	5	9	7	5
3	2	9	7	5	3	6	5

<sup>a</sup>This variable is redundant with *Z*<sub>1</sub> and need not be included.

Note if the individual data set is sorted by Person and then Dyad and we denote it as:

AAAAA  
AAAAA  
AAAAA  
AAAAA  
BBBBB  
BBBBB  
BBBBB  
BBBBB

The Dyad data set can be viewed as:

AAAAABBBBB  
AAAAABBBBB  
AAAAABBBBB  
AAAAABBBBB

The Pairwise data set can be viewed as:

AAAAABBBBB  
AAAAABBBBB  
AAAAABBBBB  
AAAAABBBBB  
BBBBBAAAAA  
BBBBBAAAAA  
BBBBBAAAAA  
BBBBBAAAAA