



Data Set

1 Why

We want language to talk about a list of elements from a set.

2 Definition

A **data set** is a sequence of elements from a set.

2.1 Notation

Let A be a non-empty set. We usually denote sequences by (a_1, \dots, a_n) . Here we will use (a^1, \dots, a^n) . since often A is itself a set of sequences, and we will want to refer to the i th component of a^1 by a_i^1 .