Why

Definition

An *outcome vector* is kind of outcome variable where the set of values is the n-dimensional tuples of real numbers, for $n = 1, 2, \ldots$.

Notation

Let R denote the set of real numbers and let $\mathbf{P}$ denote the event probability function

Let

Outcome Vectors

Outcome Variables   Event Probabilities

Probability Distributions   Vectors

Real Summation   Intervals   N-Dimensional Space

Probability Events   Natural Summation   Real Numbers   Space   Fields

Probability Outcomes   Family Operations   Groups   Rational Numbers   Set Operations

Families   Probability   Cardinality   Natural Sums   Algebras   Integer Numbers

Power Set   Common Sense   Injective Functions   Operations   Zero

Functions   Natural Numbers   Set Symmetric Differences   Equation Solutions

Relations   Set Intersections   Set Unions

Ordered Pairs   Set Complements

Unordered Pairs   Equations

Set Specification

Set Inclusion

Empty Set

Set Equality

Standardized Accounts   Identity

Accounts

Quantified Statements   Deductions

Logical Statements

Statements

Sets   Identities

Objects