**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

Vectors

Probability Distributions

N-Dimensional Space

Intervals

Real Summation

Fields

Space

Real Numbers

Natural Summation

Probability Events

Rational Numbers

Groups

Set Operations

Family Operations

Probability Outcomes

Integer Numbers

Natural Sums

Algebras

Probability

Cardinality

Families

Zero

Operations

Common Sense

Injective Functions

Power Set

Natural Numbers

Set Symmetric Differences

Functions

Set Intersections

Set Unions

Relations

Pair Intersections

Empty Set

Ordered Pairs

Equation Solutions

Set Complements

Unordered Pairs

Set Specification

Set Inclusion

Standardized Accounts

Definitions

Accounts

Quantified Statements

Deductions

Logical Statements

Statements

Identities

Sets

Names

Letters

Objects