Why

We want to talk about categorizing documents.

Definition

Let X be a set of documents. To be concrete, for $n \in \mathbb{N}$, X may be all length n character sequences in some alphabet of digital symbols.

Document Topic Classifiers

Digital Symbols

Digital Integers

Classifiers

Digital Naturals

Inductors

Bit Strings

Factorials

Datasets

Natural Powers

Sequences

Natural Products

Set Numbers

Direct Products

Natural Sums

Finite Sets

Recursion Theorem

Equivalent Sets

Natural Order

Family Unions and Intersections

Function Inverses

Integer Numbers

Peano Axioms

Families

Function Composites

Function Images

Natural Induction

Equivalence Relations

Functions

Natural Numbers

Relations

Successor Sets

Generalized Set Dualities

Set Products

Partitions

Intersection of Empty Set

Set Powers

Set Intersections

Set Unions and Intersections

Set Dualities

Unordered Triples

Pair Intersections

Pair Unions

Set Complements

Set Differences

Set Unions

Ordered Pairs

Empty Set

Unordered Pairs

Set Specification

Set Inclusion

Standardized Accounts

Accounts

Deductions

Quantified Statements

Logical Statements

Statements

Identities

Sets

Names

Letters

Objects