Why

We want to talk about categorizing documents.

Definition

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

Document Topic Classifiers

Classifiers Digital Symbols

Inductors Digital Integers

Datasets Bit Strings

Sequences Natural Powers

Direct Products Set Numbers Natural Products

Finite Sets Natural Sums

Equivalent Sets Recursion Theorem

Family Unions and Intersections Function Inverses Natural Order

Families Function Images Function Composites Peano Axioms Integer Numbers

Functions Equivalence Relations Natural Induction

Relations

Generalized Set Dualities Cartesian Products Natural Numbers

Set Powers Intersection of Empty Set Partitions Successor Sets

Set Unions and Intersections Set Dualities Unordered Triples Set Intersections

Pair Intersections Set Complements Pair Unions

Set Unions Ordered Pairs Set Differences

Empty Set Unordered Pairs

Set Specification

Set Inclusion

Standardized Accounts

Accounts

Deductions

Quantified Statements

Logical Statements

Statements

Identities Sets

Names

Letters Objects

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