Statistics

08 July 2024 09:20

Math

Calculus (Divergence)

Vector Analysis

Complex analysis

Physics

Chemistry

-> Observations : Record of numerical value

-> Data -> Information -> knowledge

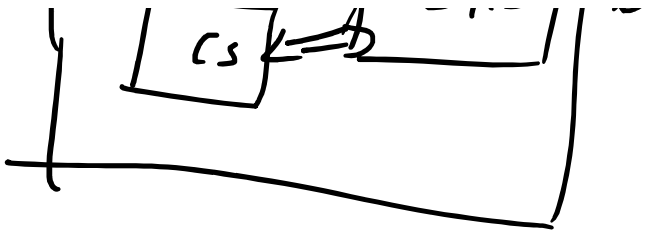
|| Axiomatic || Truth

-> Stored patterns ~ Information

STAT — Influencing

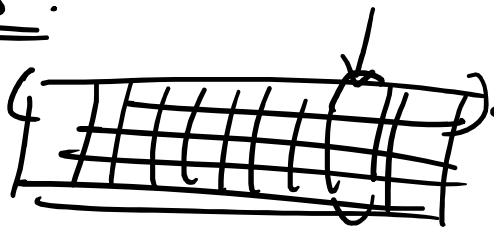
PROB — Prognostication

~ Stats



STATISTICS
-> Descriptive
-> Inferential
=
DATA SCIENCE

-> Basics :



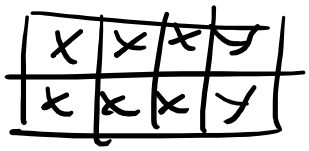
CS CS DBMS
(Row, Tuple, Instance)
(Column, Attribute, Feature)
STATS

-> Feature ~ Col
Parameter ~ Row

-> Numerical Data : Numbers (Nominal, Ordinal)
-> Non-Numerical : Categorical (Boolean)

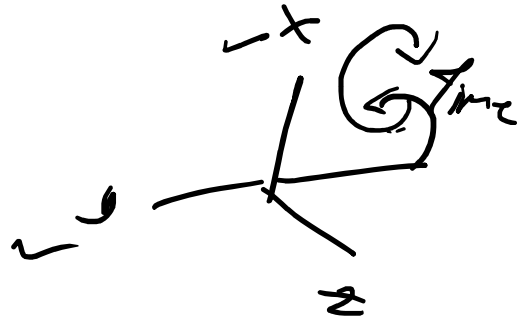
[X] ~ 1-D ~ Scalar

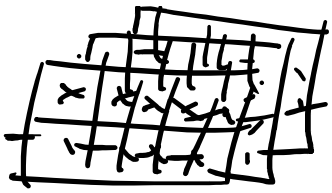
[XXXX] ~ 1-D ~ Vector



~ 2-D ~ Matrices

~ N-D ~ Tensor





N-D ~ Tensor