COMMUNICATION THEORY & INFORMATION THEORY

Systems Analysis

Author: Eng. Carlos Andrés Sierra, M.Sc. carlos.andres.sierra.v@gmail.com

Lecturer Computer Engineer School of Engineering Universidad Distrital Francisco José de Caldas

2024-I





1/12

Communication

2 Information Theory





Communication

2 Information Theory





Definition

Communication theory defines the amount of transmited information in terms of the conditional probabilities.

P(B/A)~ Bayes





Misinformation

The false information is a problem due to the lack of verifications. Petro=> Mia Kolifa => daughter Trump => Combrige Aralytics Mile:



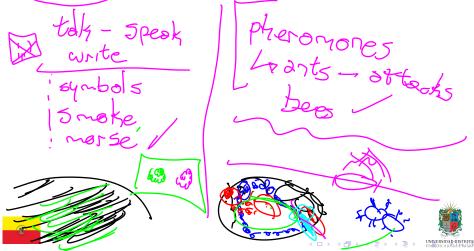
What if ...?

The probability of failures is pretty tricky.



History

S.F. Scudder proposed Communication Theory in 1980. The main idea is: all living beings existing on the planet communicate.



Communication

2 Information Theory

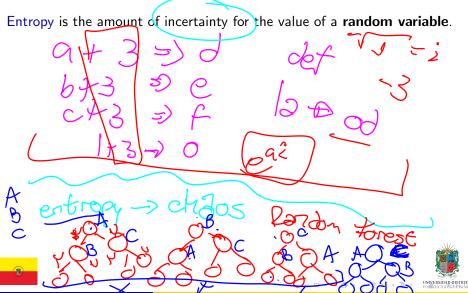


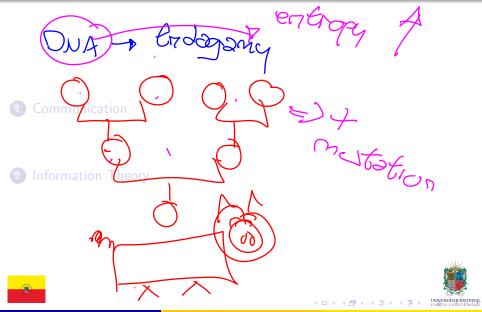


Definition

Information theory is a mathematical point of view related to Q quantification, storage, and transmission of information. JUBA BAOJ hest plant

Entropy





Thanks!

Questions?





www.github.com/engandres/ud-public/courses/systems-analysis

