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Part 1, by Adam Schneider Lecture 4:

Entropy and Data Compression (III):

Shannon's Source Coding Theorem,

Symbol Codes Information Theory part 3:

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Communication Measuring information |
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Coding (2 of 2) ~~What is Information
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L3-Extention of An Information Source

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L4-Adjoint of An Information Source,

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Information theory is a broad and deep mathematical theory, with equally broad and deep applications, amongst which is the vital field of coding theory. Coding theory is concerned with finding explicit methods, called codes , for increasing the efficiency and reducing the error rate of data communication over noisy channels to near the channel capacity.

Information theory - Wikipedia

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Coding theory - Wikipedia
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Uncertainty, and Information 2. Entropies
De fi ned, and Why they are Measures of
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Pre fi x, Variable-, & Fixed-Length Codes
4.

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are based on the first 11 chapters of Prof.

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