Information Theory and Networks
Lecture 34: Information Theory, the Universe and Everything

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Part I

Information Theory, the Universe, and Everything

- Why have sex?
- Information content of DNA

Section 1

Genetics Intro

Human Genone Resources

http://www.ncbi.nlm.nih.gov/genome/guide/human/

http://www.pnylab.com/pny/papers/cdna/cdna/index.html

http://www.citeulike.org/user/zono/article/769969 http://
ieeexplore.ieee.org/xpls/abs_all.jsp?arnumber=581998&tag=1

http://www.ncbi.nlm.nih.gov/pubmed/9344742

http://dl.acm.org/citation.cfm?id=338586

http://physics.aps.org/story/v9/st15

Section 2

Information in DNA

Further reading I

📄 Tracey Ho and Desmond S. Lun, *Network coding: An introduction*, Cambridge University Press, 2008.