

Schedule for Week 2 of SI 701: Information Theory and Artificial Intelligence

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1 Part 1: with Paul

For the first 80 minutes, Paul will be around.

1.1 Opening: summary and stories

1.1.1 Summary for the information theory: general impression

About the definition of information theory and then the connection.

1.1.2 Interesting stories from bibliographical reading

Inspire, and have people to talk about it.

1.2 Paul's lecturing

Paul agreed to cover: (15 minutes) * [] Connection among compression, redundancy and Entropy? When a message is not yet totally random, it contains redundancy.

* Also: completing texts (texting on iPhone) and generating text (Turing test)

1.3 Nicole's lecturing + connecting with future materials

* [] (Huge question) Connect notion of redundancy and compression to: * Common ground; * Classification * Prospect theory

2 Part 2: second 1.5 hours