Chapter 1 : Foundation of AI

- **Philosophy**

  The Study of Philosophy is very basic foundation of AI.

  Fundamental nature of knowledge, reality and existence are considered for solving a specific problems.

  How can the formal rules be used to draw valid conclusions.

  Without Philosophy it is difficult to answer the following questions:

  1. How does the mind arise from physical brain?

  2. Where does the knowledge come form?

- **Mathematics And Statistic**

  Formal Logic and probability for planning and learning

  Knowledge in formal representations

  - Proving thermos

  - Writing Algo

  - Computation etc

- **Economics**

  Gain more with small invest

  when to invest?

  Where and how?

- **Neuroscience**

  How brains transfer the information?

- **Psychology/ cognitive Science**

  How do human and animals think and act?

- **Computer science and engineering**

  Logic and inference theory, programming laung, system building

  Train top machine learning applications and the utilizations.

- **Control theory**

  Identify and debug and solve the error itself.

- **Linguistics**

  Speech recognition.

  Translate speech to text and vice versa.

	"Strong AI"	"Weak AI"
Focus on models	Think like humans	Think rationally
Focus on data	Act like humans	Act rationally