## A formulation of social system by the concepts both of E. Durkheim's social fact and of Amartya Sen's Capability and Agency

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## Abstract:

E. Durkheim(1895) asserts that sociology should treat, as its own scientific field, such social facts that are being established when among their related persons each member's expectation of action just coincides with each other. We want to use this concept of social fact as an analytical tool to all social relations including economic, political, social, and personal and social conscious fields.

On the other hand, A. Sen criticized the mainstream Rational Choice Theory(RCT) that it treat mankind as an animal in that man exchanges toil labor for consumption goods to live, and offers his alternative behavioral function of laborer which stress his liberty as an agent who challenges something great with reasoned reasoning and scrutiny under reason. We define personal behavior function which includes all men's action field and embody it to General Equilibrium Model and widens it to the social facts.

- 1. Formulation of Sen's Capability and Agency (CA).
- 2. Formulation of social behavior by personal action expectation
- 3. Application of the behavioral function to realize local common goods (mutual benefit).