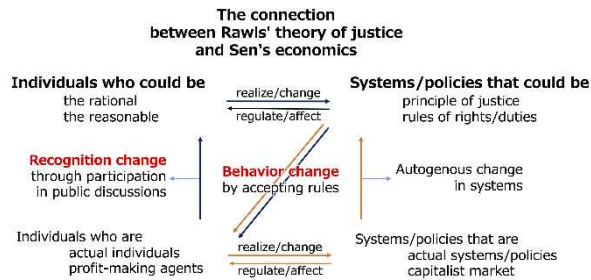


Specifying and updating of well-being and agency in society

Progress until FY2022

1. Outline of the project

The task of this assignment is to conceptualize a pre-theory to guide the fact-finding study (survey and experiment). Specifically, we will construct a list and hypothesis concerning welfare and subjectivity, and define the concept of "city capability" (Assignment 1-1). In addition, we will utilize full-text digital data from the National Diet Library to analyze data related to the concept of welfare and subjectivity (Task 1-2).

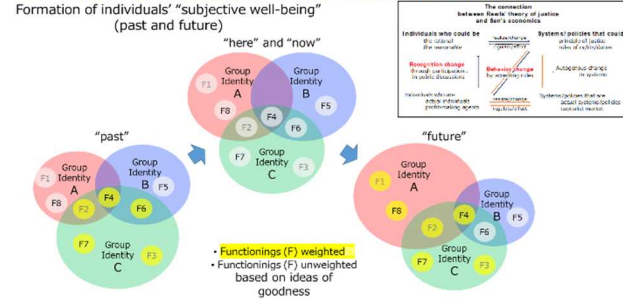


This year, (1) based on the deciphering of key literature, we envisioned a methodological framework for extracting the "capability for well-being" of individuals. (2) In parallel with the work of collecting and organizing large-scale textual data, we conducted a preliminary analysis to identify the main axes of welfare and subjectivity using the geometry of culture approach and the word embedding model.

2. Outcome so far

(1) Capturing welfare rooted in inter-personal

Reconstructing the concepts of "Well-being" and "Agency"

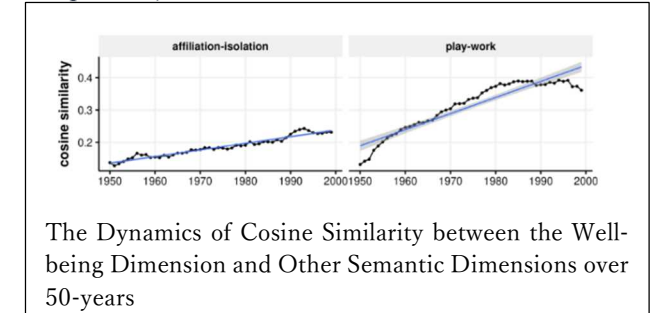


relationships: Although welfare is often rooted in inter-personal relationships and cannot necessarily be broken down by individual, the lists presented by most happiness research to date do not adequately capture cases that manifest in relationships with others.

(2) Capturing public judgment or civic opinion among individuals: We have conceived of a "capability universe" that can capture the multidimensional and multilevel structure of individual evaluation, paying close attention to the informational basis of individual preferences, evaluations, judgments, and opinions, as well as the differences in their destinations, purposes, and contexts.

(3) Implementation of Data Collection and Organization Regarding Concepts of Well-being and Agency: During the fiscal year, we collected and organized large-scale text data for analysis in and after the fiscal year of 2023. For the large-scale text data, we considered the availability and the relevance to our goal of identifying the key axes of well-being and agency. As a result, we decided to use the full-text data of the National Diet Library (which includes all books published from the Meiji era to 1968, and all magazines

published up to 1989 that are in the library's collection). In this fiscal year, we organized the data by the year of publication and constructed metadata (including publication year, author, genre, etc.), as well as conducted cleaning of the main text data (conversion from old Japanese character forms to modern forms, removal of English numerals, morphological analysis using MeCab, conversion to text files segmented by morphemes).



The Dynamics of Cosine Similarity between the Well-being Dimension and Other Semantic Dimensions over 50-years

3. Future plans

(1) Clarify the concept of "city capability," which is composed of multidimensional groups. (2) In collaboration with neuroscience and animal psychology, we will elucidate the logic linking medical intervention and social support to enhance "capability for well-being." (3) Conduct an analysis of the National Diet Library's full-text data based on the geometric approach to culture, and examine the philosophically and normatively proposed concepts of well-being and agency in line with the actual thoughts and attitudes of people.

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