Workshop

Life Course & Dynamics: A life-oriented Perspective

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Life course and dynamics

Social/Cultural /Economic Systems

Goal: A good life

Importance
- long-term effects of policy
- Impacts of social changes
- New technologies, etc.

Life trajectory

Agency

Turning point

Life event

Life event

Transition

Context/Cohort
Life course and dynamics

Life choices
Residential behavior
Daily activities
Travel behavior

Life-oriented approach

Policies
Policy 1
Policy 2
Policy 3

Life events
Life event 1
Life event 2
Life event 3

Social events
Social event 1
Social event 2
Social event 3

childhood  High school  University  Job 1  Job 2  ......  Job n  retirement
Life course and dynamics

Generations

Value systems

Life choices
Residential behavior
Daily activities
Travel behavior

Life-oriented approach

Policies
Policy 3
Policy 2
Policy 1

Life events
Life event 3
Life event 2
Life event 1

Social events
Social event 3
Social event 2
Social event 1

Life-oriented approach

Generation X

Generation Y

Generation Z
Complexity in the life-course decisions

Papers presented in this IATBR2018

- Capturing effects of multiple life-oriented self-selections on travel behavior
- An exploration of the role of childhood context and experiences in shaping attitudes and travel behavior in adulthood
- A life-oriented agent-based longer-term household decision simulator
- Experiences and expectations of travel behavior
- Daily activity-travel patterns of different American generations: an exploratory analysis utilizing multiple waves of American heritage time use survey and national household travel survey datasets
- Are millennials really different in their activity-travel and time use behaviors?
- Understanding the declining trend of Japanese young people’s car ownership and usage behavior based on a resource allocation model with inter-expenditure interactions
- Battle of the generations. How mobility attitudes and behaviour differ (or not) over generations
- A collective household model of driving cessation of older adults
- Panel approach: travel behaviour and psycho-attitudinal factors evolution
- Dynamics in travel behavior: who changes mode, why and when? A longitudinal analysis of mode choice behavior in the Netherlands
- The path of life: exploring alternative frameworks for modelling long-term mobility choices
- Patterns of change in commute mode choices in a four-year quasi-experimental cohort study
- A peek at the future: capturing anticipation effects in dynamic discrete choice models
- Children’s life satisfaction and satisfaction with school travel
- Changes in young adults’ travel behavior
- Two approaches to modeling changes in lifestyle-based behavior: from static to dynamic from exogenous to integrated
- Dynamic decision-making process of holiday activity-travel behavior in relation with life course mobility: using decision network approach
- Age-period-cohort analysis for alternative specific constants in commuting mode choice models
Research gaps discussed during the workshop

- What do people actually choose along the life course?
- What makes the changes along the life course?
- Different life courses across population groups and countries
- How social events affect people’s life choices and travel behavior?
- How to foresee the future life course from a social perspective?
- Limited travel behaviors have been investigated.

- Interactions between various key events as well as interactions between different persons and the key events they experience have largely been neglected.
- Most studies focus on discrete events or on short segments of people’s life courses.
- There is a striking lack of hermeneutic approaches to the meaning of mobility and its embedding in key events, socialization, experience, learning, and contexts.
- The subjective perspectives of individuals and their own reconstructions of their mobility biographies have received little attention.
- Survey: mixed method (qualitative & quantitative), retrospective, repeated cross-sectional; There is a lack of survey standards about subjective attributes (e.g., attitudes).
- Analysis: aggregate vs disaggregate (ecological correlation issues)
- Policy: two-way relationships between life choices/travel behavior and policies
Important research projects identified during the workshop

• **Assessing and Improving the Validity of Retrospective Surveys**
  • **Quasi-experiment of how effective are transport polices to recent movers, different participant groups**
    – Movers from another city to city A; Persons who live in city A; Movers from another city to city A → receiving a treatment e.g. a policy package for public transport, rent for electric cars; Preferably for several cities (the “As”)

• **Gaming (for children): Exploring children’s visions to the future through gaming**
  – e.g., the simulation city games, to find their opinions on the future cities, what they like and dislike in different countries across the world

• **Back to the future**
  – The impacts of previous life changing revolutions (social revolutions, e.g. employment of women, and technological revolutions, e.g. television, fridge) on people’s lives;
    – Methods: comparing old diaries in 1900s and modern diaries with facebook

• **An international comparison of qualitative research on life course development and mobility**
  – working with sociologists and anthropologists
Important research projects identified during the workshop

- How do different generations adapt to new technologies for travel?
- Change in attitudes and travel behavior over a lifetime of an individual?
- Assessing attitudes before and after moving over a longer period
  - E.g. first year after moving improved attitudes, second year they get worse
- Residential location: Is it a life event or a result or consequence of another life event?
- Speeding up / crashing cohorts
  - Young adults nowadays cannot relate to older adults born 2 or 5 years ago whereas older adults can relate to older people born 20 years ago
- Living to the extreme
  - the diversity of life courses: Exploring the up-coming diversity in life courses and lifestyles
  - What are extreme/unconventional lifestyles and life courses away from traditional ones.
Important research projects identified during the workshop

• **Travel to school over different generations**

Better accounting for downsizing: Consequences of aging on mobility choices

  • **Differences between “elderly” in traveling**
    – Insights about behavioral delays; Longitudinal data; Modelling it in a system dynamics framework?

  • **Coffee on the bus (for the elderly)**
    – How does free public transport pass for the elderly contribute not only to better mobility but also to more social interaction, well-being and QOL.

  • **Effective measures of making elderly happier**
    – Which incentives are effective to “make” elderly move to urban cores with better accessibility to services etc.? 
    – Does intergenerational housing / living projects increase accessibility and mobility of elderly?
Call for Papers

• Special Issue “Smart Technologies and Urban Life: A Behavioral and Social Perspective”, Sustainable Cities and Society
  • Full paper: end of August 2018

• Call for Papers on “Life-oriented Travel Behavior Research”, TRB’2019
  • full paper: August 1, 2018

• Call for Papers on “Young People’s Life Choices and Travel Behavior”, Transportation Research Part D
  • full paper: end of November 2018
Call for Papers and Special Sessions
International Choice Modelling Conference 2019
Kobe, Japan; 19 – 21 August 2019
Chair: Stephane Hess
Co-organizers: Toshiyuki Yamamoto, Junyi Zhang and Nobuhiro Sanko

The International Choice Modelling Conference (ICMC) brings together leading researchers and practitioners from across the world and across different disciplines, including but not limited to transport studies, marketing, environmental economics, and health economics. The aim of the conference is to review recent advancements in knowledge and understanding in methodology as well as real world applications of choice models and stated choice and revealed preference survey techniques.