

## Expert Interview - Question List

Categories	Questions	Remark
(1) Latent Group Identification	Is it more accurate and useful to use our approach than sociological statistic methods (e.g., model (regression) – based)?	
(2) Social Relationship	Are the revealed social relationships useful for your study?	
(3) Visualization and Interaction	3-1. Do these visualization and interactions meet the design tasks well?	Show the list of three-level tasks
	3-2. Is it easy to learn and read the Parameter View and the Distribution View? Why?	
	3-3. Is it easy to learn and read the Group View and Person View? Is it easy to find a group/person of interest for further exploration? Why?	
	3-4. Is it easy to learn and read Mobility Rate Timeline and glyph? Why?	
	3-5. Is it easy to learn and read the CareerFlow View? Why?	<b>Group-level (2 modes):</b> <ul style="list-style-type: none"> <li>- Subflow mode</li> <li>- Line mode</li> </ul> <b>Individual-level</b> to show the relationship of one person: <ul style="list-style-type: none"> <li>- Solid line and dashed line to show the interaction time period when they work together</li> <li>- Influential one: mark the organizations he worked at</li> </ul>
	3-6. Which views are intuitive and useful to you? Why? Which top 3 components impress you most? Why?	
	3-7. Are the interactions intuitive? Why? Which top 3 components impress you most? Why?	Cross-view filtering and selections Brush/click/hover to filter/choose data
	3-8. Anything confusing, not intuitive, or too complicated to understand?	Cognitive load
	3-9. Which part of the visual interface do you think can be further improved? How?	E.g., <ul style="list-style-type: none"> <li>- Lacking any functionalities you think are important</li> </ul>

		in your study? - System guidance? - Invalid operation notification?
(4) System	4-1. Compared with traditional sociological/historical analysis methods: - Is this system more efficient to explore the data? - Is the system workflow clear that follow your analytical logic?	
	4-2. Is the system easy to learn and easy to use?	
	4-3. Is the system helpful to reveal insights into historical career mobility? - Can you verify the results you already know? Please give an example - Can you get any new insights from the system? Please give an example	Latent social groups, social relationships, ...

## Expert Interview - Task-based Explorations

Tasks (In order)
Task1: Describe the overall vertical mobility statistics and evolvement characteristics overtime
Task2: Find salient features of promotion or demotion groups at different time periods
Task3: Compare latent social groups and describe the differences from group patterns and statistics
Task4: Select the group with most officials and explore and compare how these officials move overtime
Task5: Define influential officials and compare these candidates on vertical movement
Task6: Choose an official who is most different from others (e.g., with special vertical movements) and explore how the mobility pattern of his social relationships change and interact with him over time