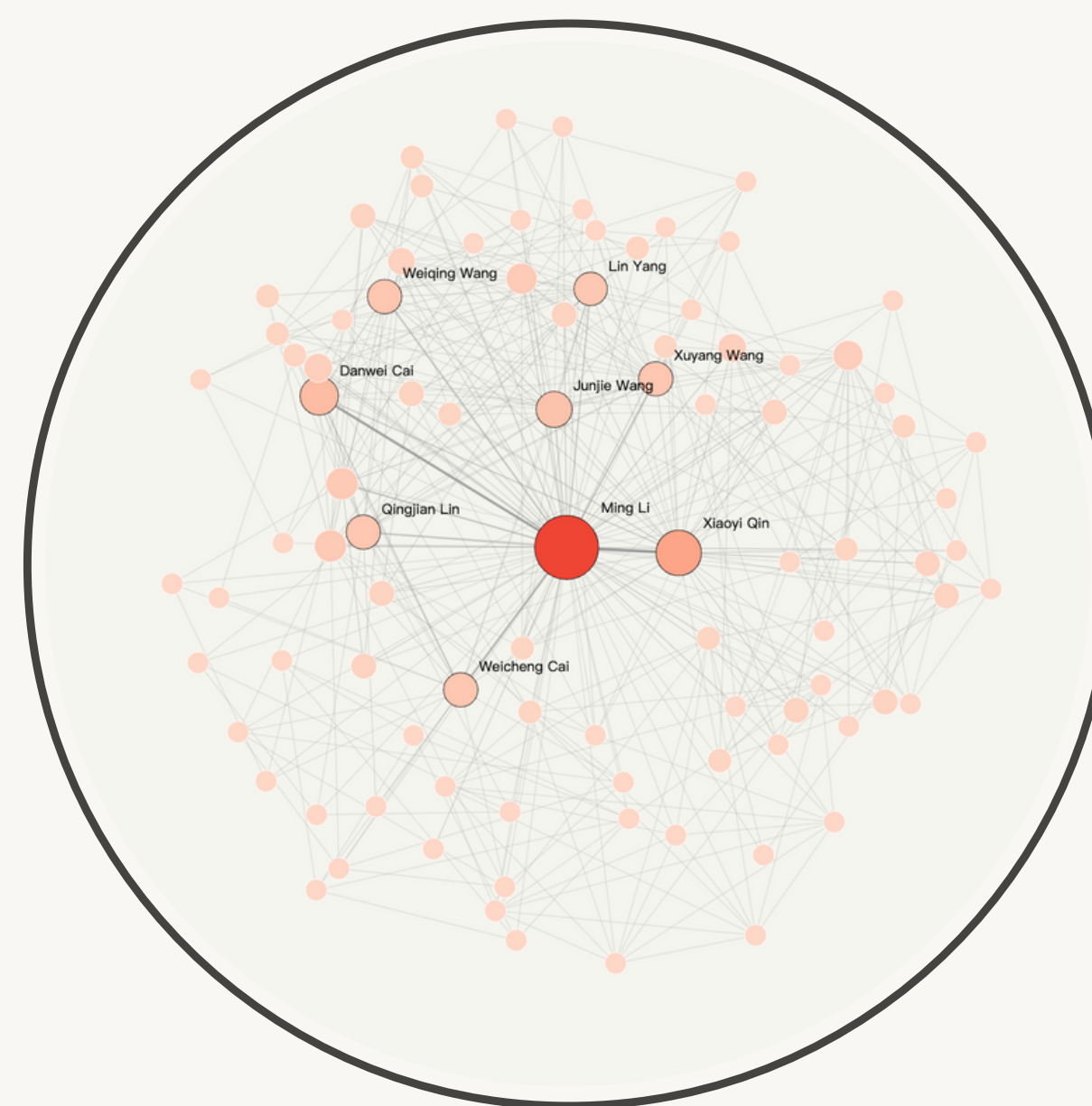
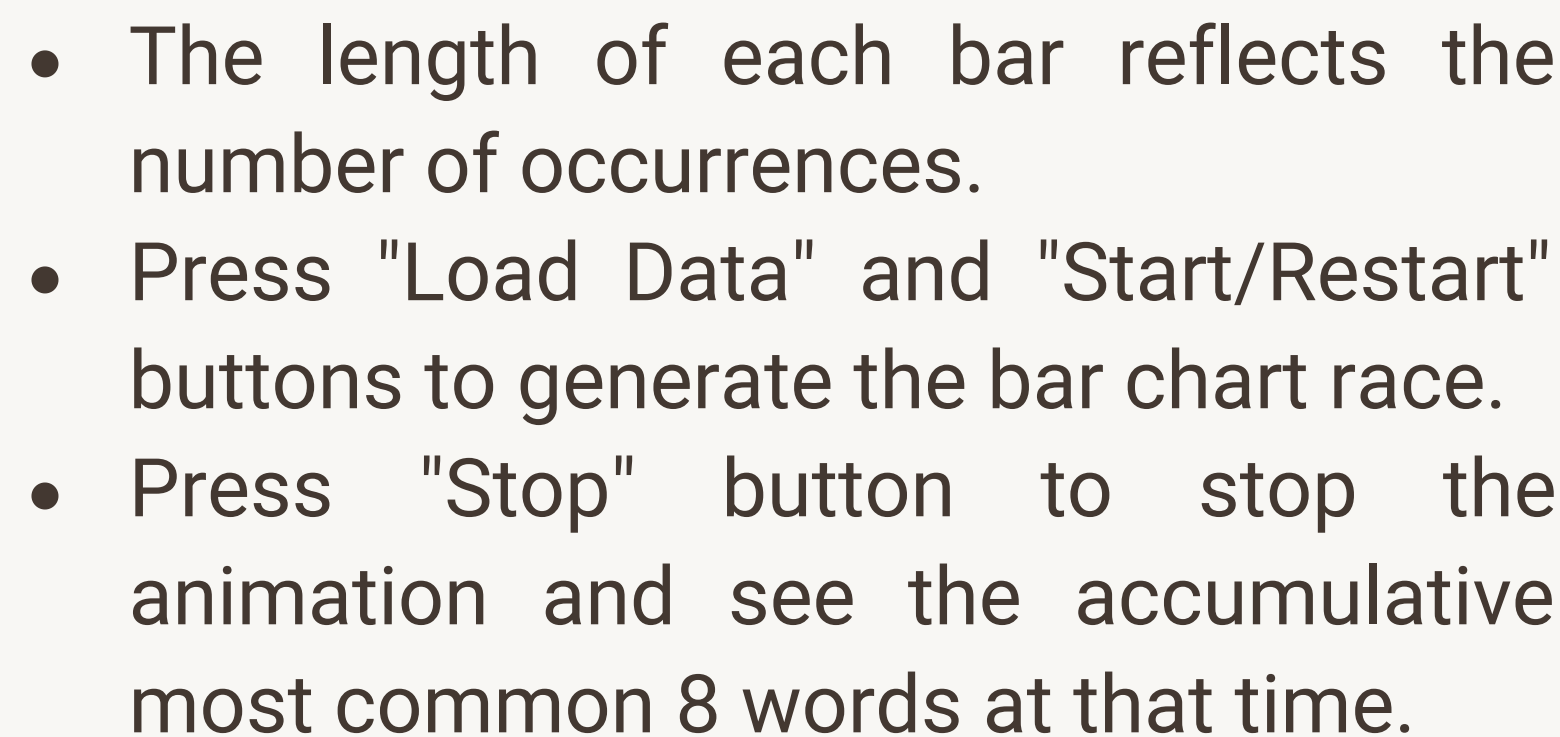
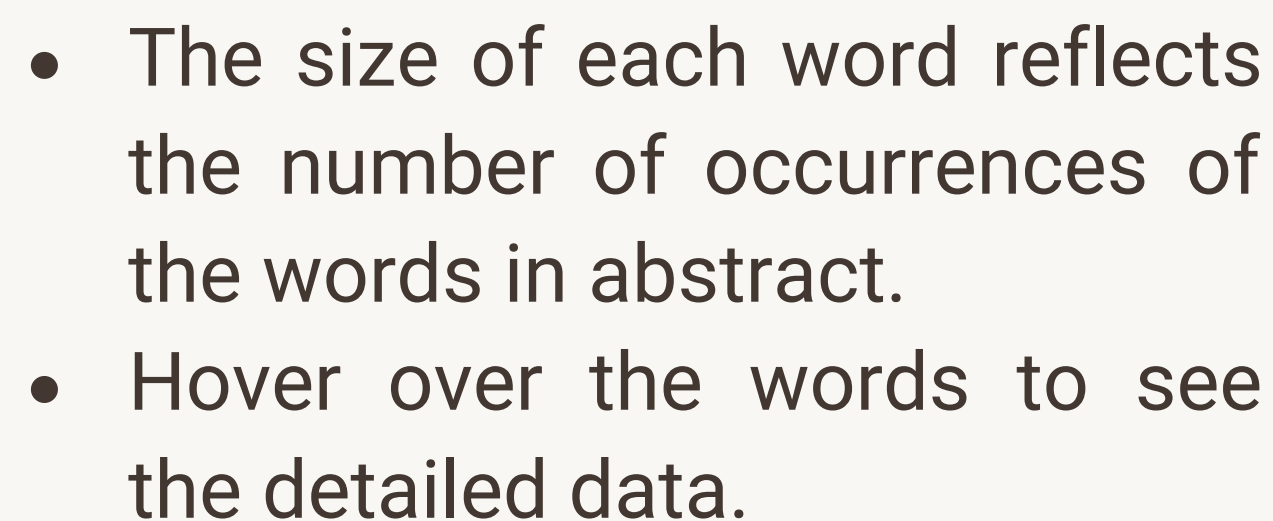


Most of us speak daily without knowing the power of deep learning in speech. As researchers who are interested in carrying out projects related to intelligent speech, it is crucial to clearly and concisely visualize the research papers related to speech in order to comprehend and monitor the development and trends in this subject. By visualizing the patterns and progress in speech research, we can better comprehend how the field is going and spot any potential roadblocks or issues that may arise. Visualization can also serve to simplify complex ideas and provide users with a more intuitive understanding of advances in the recent research on speech recognition, verification, or synthesis. It is essential to stay current on the most recent trends and advancements, given the fast-paced nature of this industry, and visualization is a potent tool that can assist us in achieving this aim.



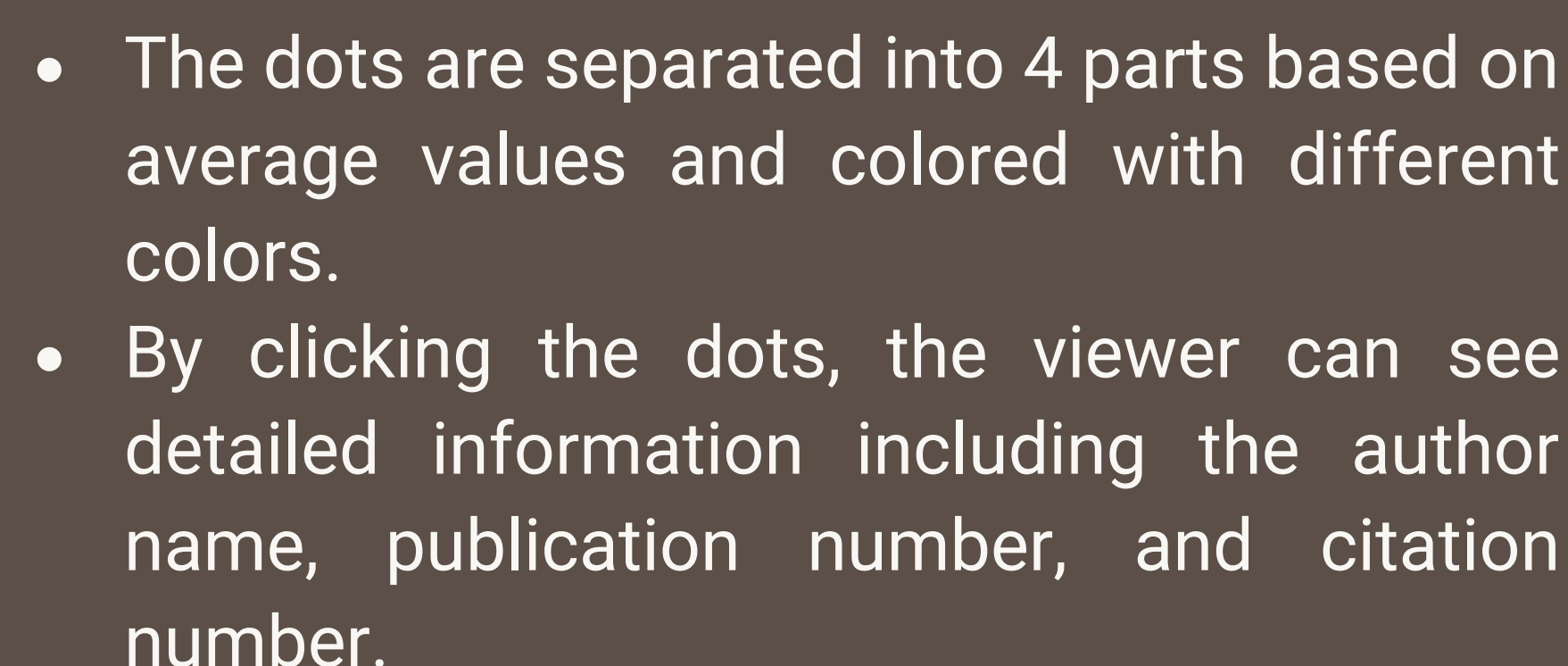
- Each node represents an author, with the size of the node reflecting its weighted degree.
- The color of each node corresponds to its weighted degree.
- Edges represent co-occurrence relationships between two authors.

- The size of each node represents the number of collaborative papers published by the author.
- The edges in these networks display co-author relationships between authors, with thicker edges indicating stronger collaboration.

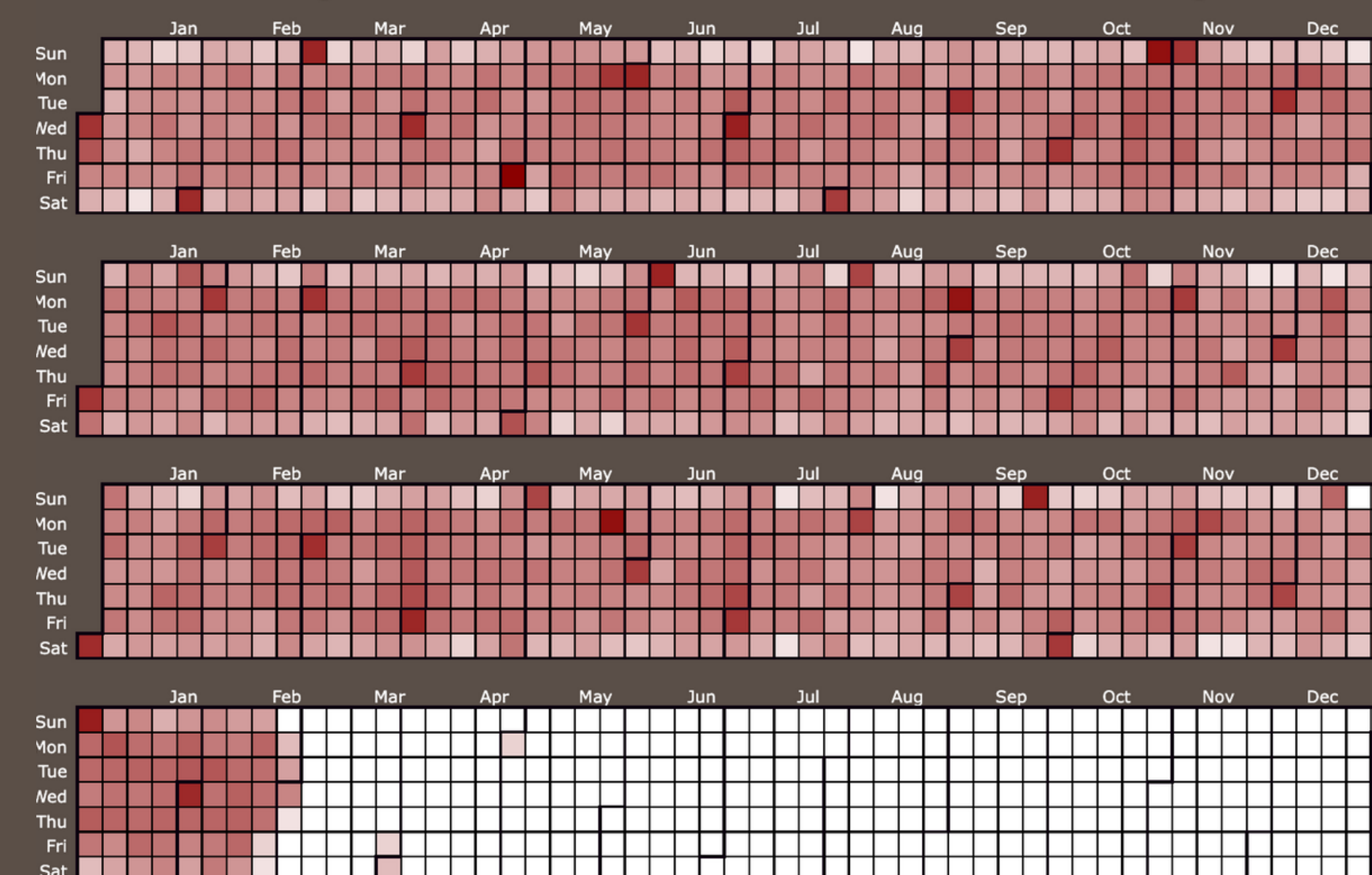
# SPEECH RESEARCH TREND VIS

ChinaVis 2023  
Chongqing, China

Xingyu Shen, Yueqian Lin, Zhixian Zhang, Xin Tong



- Hover on the small blocks can see the date and the number of papers published that day. The darker the red in the block, the more paper published that day.
- Click on the year can zoom and drag the calendar to see them more clearly.



- The color of the ribbons depends on the number of major fields in the interdisciplinary course. If A mainly acts as a significant field in interdisciplinary studies of A and B, then the color of the ribbon will be A's color.
- By clicking on different years, we can see the changes in the components of interdisciplinary fields.
- We can see the number of papers in the field by hovering on the ribbons or the arcs.

