Anrunze LI

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Personal Website: *https://li-anrunze.github.io/*

EDUCATION

✧ **School of Information Resource Management, Renmin University of China**　　2023-Now
　 Ph.D. Student in Information Resource Management　*GPA: 3.96/4*　　　Supervisor: Prof. Li Niu

✧ **School of Information Resource Management, Renmin University of China**　　2021-2023
　 M.S. in Information Science　　　　　　　　　　　　　　　　　Supervisor: Prof. Li Niu

✧ **School of Government, Beijing Normal University**　　　　　　　　　　　2017-2021
　 B.S. in Information Management and Information System

INTERESTS & SKILLS

✧ **Interests**：Digital Humanities; Data Narratives; Cultural Heritage; Knowledge Organization and Service

✧ **Computer Skills:** Python; JAVA; C; MySQL; Ability to build websites and applets

✧ **Analytical Skills:** SPSS; Tableau; MATLAB; WEKA; CiteSpace; VOSviewer

RESEARCH EXPERIENCE & PUBLICATIONS

✧ **Research on Cultural Data Narratives Driven by Generative AI**　　　2023-2026 (Expected)

Supported by National Social Science Fund of China (Manager: Prof. Li Niu)

"Focused on issues encompassing perceived utility, comprehensibility, and credibility within data stories."

"From the perspectives of narrative system, process and product, experimentally validated the enhancement role of Generative AI in the interactive digital narrative (IDN) mechanisms of cultural heritage."

"Using the *Suzhou Silk Archives of China* (中国苏州丝绸档案) as primary resources, extracted story materials with digital humanities tools to narrate the development history of silk craftsmanship based on evidence chains."

－ **Li, A.,** Niu, L., & Xie, Z. (2024). Research on Constructing a Data Storytelling Model for Archival Documentary Heritage Based on Evidence-Based Thinking. ***Information Studies: Theory & Application***. (In Press, In Chinese)

－ **Li, A.,** Niu, L., & Liu, H. (2024). Interactive Digital Narrative Mechanisms for Cultural Heritage Driven by Generative Artificial Intelligence. (Submitted, will present at the 2024 Annual International Conference on Digital Humanities for East Asia Classics, ***IDEC 2024***)

－ Jin, C., Niu, L., & **Li, A.** (2024). Research on Museum Digital Cultural Services Based on User Information Needs: A Case Study of National Level Museums on the Social Q&A Platform "Zhihu". ***iConference 2024***.

－ Will present at the Alliance of Digital Humanities Organizations' Annual Conference, ***DH 2024***. (First Author)

－ Can Generative AI Bridge or Deepen the Digital Divide? An Analysis of Public Perception of Cultural Digital Services Based on Narrative Transportation Theory. (First Author, Work in Progress)

－ Research on the Driving Role of Data Morphology Evolution in Shaping the Research Framework of Digital Humanities under the Wave of Generative AI. (Third Author, Work in Progress)

✧ **Research on Knowledge Organization and Service of Local Gazetteers**　　2023-2025 (Expected)

Supported by Beijing Natural Science Foundation (Manager: Prof. Li Niu)

"Focused on local gazetteers(地方志), constructed an ontology model to extract cultural genes and re-express contents."

"Using the *Zhejiang Tongzhi* (《浙江通志》) as primary resources, employed quantitative tools such as statistics analysis, spatiotemporal analysis and social network analysis to calculate historical and cultural facts."

"Presented local culture through knowledge graphs and other visualization charts."

－ **Li, A.,** Niu, L., & Zheng, J. (2024). Deconstruction and Activation: Research on Multi-Granularity Knowledge Service Model for Local Gazetteers Based on Dual Perspectives. ***Library Journal.*** (In Press, In Chinese)

－ Niu, L., **Li, A.,** & Jin, C. (2024). Research on the Multidimensional Feature Analysis Model of Local Gazetteers from the Perspective of Cultural Computing. ***DH 2024***. (Accepted, Received DH 2024 Travel Bursary Award)

- Jin, C., & **Li, A.** (2023). Awakening Vernacular Memory: A Study of Deconstruction and Living Heritage for Chinese Local Gazetteers. International Council on Archives Congress Abu Dhabi 2023, *ICA 2023*.
- Research on the Characteristics of Humanistic Data Based on Cultural Computing. (Second Author, Work in Progress)

✧ **Research on the Archival Knowledge Services Driven by Digital Intelligence**　　　2022-2024

Supported by National Social Science Fund of China (Manager: Prof. Li Niu)

"Focused on data intelligence technologies represented by LLMs, proposed a realization pathway of intelligent archival knowledge services through the collaboration of physical and digital spaces."

"Based on the qualitative analysis of relevant literature and case studies, derived strategies for valorizing archival data by value chain theory, including resources, business, institutions, technology, sharing, objects, and subjects."

- **Li, A.**, Niu, L., & Wang, R. (2024). Accumulation, Activation and Realization: An Exploration of Strategies for Valorizing Corporate Archival Data Elements in the Context of New Quality Productivity. *Archives Science Bulletin*. (Accepted, In Chinese)
- Niu, L., **Li, A.**, & Liu, H. (2023). Integration, Extension and Reconfiguration: Reflections on Information Technology Applications from the Perspective of Archival Business Transformation in Physical and Digital Dual Spaces. *Archives Science Bulletin*, (05):19-27. (In Chinese)
- Niu, L., **Li, A.**, Liu, H., & Zeng, J. (2022). From Physics to Data: Research on the Construction of Smart Archives 2.0 System. *Archives Science Study*, (03):84-90. (In Chinese)

✧ **Research on Event Knowledge Graph for Celebrity Biographies**　　　2021-2023

"Focused on the 'Data Preparation, Multidimensional Computing, Humanistic Interpretation' pathway for academic celebrity biographies, constructed event-driven knowledge graphs."

"Using *The Academic Chronicle of Wu Baokang* as a primary resource, employed the machine learning Roberta model to extract hundreds of biographical events and thousands of relationships, and developed a visualization platform."

- Niu, L., **Li, A.**, Liu, Y., & Liu, H. (2023). Research on Multi-Dimensional Analysis Model Based on Academic Celebrity Biography from the Perspective of Digital Humanities: Taking the Academic Chronicle of Wu Baokang as an Example. *Library and Information Service*, 67(06):96-106. (In Chinese)
- **Software Copyright,** Academic Celebrity Knowledge Base Software V1.0. (First Author, Excluding Supervisor)
- **Outstanding DH Project Award,** 2022 Chinese Digital Humanities Conference, *CDH2022*. (Leader)

✧ **Research on Academic Social Q&A Behavior Based on Computational Linguistics**　　　2019-2021

Supported by National College Students' innovation and entrepreneurship training program (Leader)

"Focused on the ResearchGate Q&A, investigated how the linguistic features of researchers' questions (such as word frequency, sentence structure, and sentiment) influence the response rate."

"Employed Spearman correlation analysis and ordered logistic regression (OLR) to obtain analytical results."

- Li, L., **Li, A.**, Song, X., Li, X., Huang, K., & Ye, E. M. (2023). Characterizing response quantity on academic social Q&A sites: a multidiscipline comparison of linguistic characteristics of questions. *Library Hi Tech*, 41(3), 921-938.
- Li, L., **Li, A.**, Song, X., Li, X., Huang, K., & Ye, E. M. (2020). Predicting response quantity from linguistic characteristics of questions on academic social Q&A sites. *ICADL 2020*, Proceedings 22 (pp. 399-406).
- Presented a poster at the ACM/IEEE Joint Conference on Digital Libraries in 2020, *JCDL 2020.*
- Presented at the Research Applications in Information and Library Studies 2019 conference, *RAILS 2019*.

ACTIVITIES & AWARDS

✧ **Outstanding Graduate**, Renmin University of China	2023
✧ **First-class Scholarship in Academics**, Renmin University of China	2022&2023
✧ **First place,** 2020 Shanghai Library Open Data Contest	2022
✧ **First-class Scholarship in Academics**, Beijing Normal University	2020
✧ **First-class Scholarship in Competition**, Beijing Normal University	2019&2020
✧ **Meritorious Winner**, 2019 Interdisciplinary Contest in Modeling	2019
✧ **Exchange program for Global Business Leadership**, Stanford University & U.C. Berkeley	2019
✧ **Training program on AI & Future Technologies**, The University of Hong Kong	2019