# Visualizing *The Long March*:
# An Interactive Digital Humanities Project

**A website-based project**

Group 4

# Contents

• **An Interactive Visualization Website of *The Long March* historical event.**

——A Dynamic & User-Friendly Website**:** Presents *The Long March* in an engaging, interactive, and comprehensive way.

•Homepage | Long March | Battles | Heroes | Artifacts | Spirit | About

**•** **GIS Map Embedded using OpenStreetMap**

——Ensures the clear and interactive visualization of the route,
and avoids the copyright/map access issues.

敌我双方人数变化

敌我装备情况变化

减员比例

将领年龄段比例

- **Clear and Scientific Data Visualization**
——Clear trends of statistics
——User-friendly for all ages

Homepage  Longmarch  Battles  Heroes  Artifacts  Spirit  About

**Word Cloud analysis**

In the word cloud implementation, frequently occurring words such as "红军" (Red Army), "敌人" (enemy), and "长征" (Long March) dominate, suggesting a text deeply rooted in historical military discussions or narratives involving significant Chinese communist military events. The word cloud is interactive, designed with colored fonts and an alert feature that displays a word's frequency upon being clicked, thereby enhancing user engagement and comprehension of data significance.

**3-GRAM MOST COMMON PHRASES**

| Phrases | Times |
| --- | --- |

Complementarily, the N-gram analysis helps in understanding common word pairings (2-grams) and triplets (3-grams) within the text. For instance, "红军 长征" (Red Army Long March) and "遵义 会议" (Zunyi Conference) in 2-grams tell us about pivotal moments discussed in the narrative, while 3-grams like "红军 长征 宣言书" (Red Army Long March Declaration) provide deeper insights into specific topics or themes. These N-grams enable users to grasp key concepts and themes discussed repeatedly within the text.

**SUMMARY**

Both visual tools, the word cloud and N-gram tables, work hand in hand to effectively dissect and display linguistic patterns and significant phrases from the text, offering a user-friendly way to digest complex historical details and document analysis. This allows historians, scholars, or general audiences a clearer insight into the core topics and linguistic constructs of the text in question.

• **Word Cloud Embedded**
——Clear vision of high-freq. words
——Gorgeous visual effect & distribution

• **N-Gram Statistic / Summary Provided**
——Detailed & authentic data source
——Clearer insights into the topic

# 1 Project Reflection – Battle Page



- **Map + Text presentation of battles**
——Detailed & authentic data source
——Deeper understanding of geographical movement
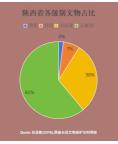
# 1 Project Reflection – Heroes Page



• **Portrait + Biography presentation of heroes**
——Comprehensive realization of heroes' life

• **Combined presentation of bar chart and pie chart**

——Direct illustration of the artifacts

——Easily get distinguished information

- **Combined presentation of both sum-up text and detailed case**
——Clear logic, easy to remember
——Suitable for educational purpose

## Key Data Contributors (Planned)



• **Librarian Data**

Archives collections from libraries documenting *The Long March*.

• **Official Documents**

Government and military records from the era.

• **Press News**

Historical news reports covering *The Long March* events.

• **Third-Party Documents**

Works by historians, journalists, and memoirs.

## Key Data Contributors (Used)

• Librarian Data

· *The Original Record of the Red Army's Long March*, by Liu Tong. 紅軍長征記 ： 原始記錄

• Official Documents

· CPC History Channel

· China Military Online

• Press News

· The Publishing House of CPC History and the Publishing House of Party Building Reading Materials

· China National Radio Network

• Third-Party Documents

· Lü Yage. Research on the Protection and Utilization of Long March Cultural Relics in Shaanxi Province [D]. Northwest University, 2017.s

# 3 References

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Party Building by Weinan Library | CPC History Story: The Battle of Xiangjiang River. Weinan Library We Tell CPC History Stories | Ma Rong: "At the Head of Orange Isle". China National Coal Geological Bureau

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Compiled by the Chinese Society of CPC History. Series of Dictionaries on the History of the Communist Party of China. The Publishing House of CPC History and the Publishing House of Party Building Reading Materials. 2019

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Viewing Cultural Relics · Recalling the Long March - China Military Online.

Lü Yage. Research on the Protection and Utilization of Long March Cultural Relics in Shaanxi Province [D]. Northwest University, 2017.s