



# A Tourist's Taste

Analyzing Korean Food Discussions on  
Reddit's r/KoreanFood



# Introduction & Project Goal

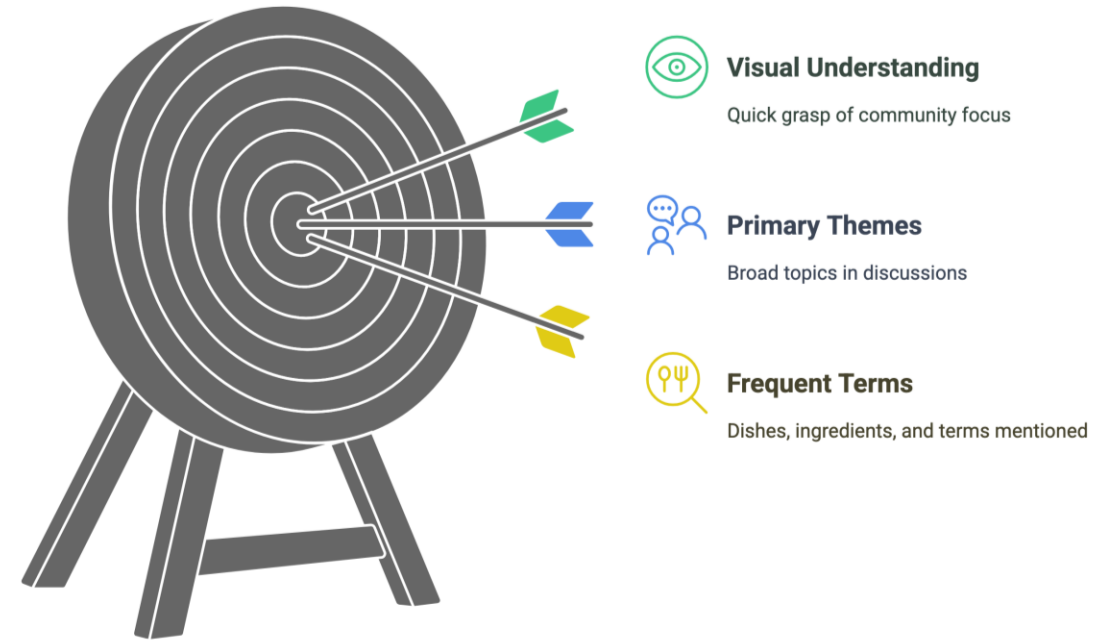
- **Background:** Online communities like Reddit are rich sources of user-generated content, offering insights into public opinion and experiences.
- **Focus:** This project analyzes discussions on the *r/KoreanFood* subreddit to understand what users (likely including many tourists or those interested in Korean cuisine) **say about Korean food.**



- **Project Goal:** To identify the most discussed food items, ingredients, experiences, and common themes related to Korean cuisine as presented on *r/KoreanFood*.

# Research Questions?

- This project aimed to answer:
  1. What are the most frequently mentioned Korean dishes, ingredients, and food-related terms on **r/KoreanFood**?
  2. What are the primary themes or **topics** that emerge from discussions about Korean food on this subreddit?
  3. Can we visualize the **most prominent terms** to get a quick **understanding of the community's focus**?



# Methodology - Data Collection & Source

**Data Source:** Reddit, specifically the r/KoreanFood subreddit.

**Reasoning:** Chosen for its high concentration of discussions specifically about Korean cuisine, ingredients, and recipes, likely attracting both enthusiasts and those seeking information (like tourists). **Collection Tool:** PRAW (Python Reddit API Wrapper).

**Initial Dataset:** [500] posts, resulting in [10] rows of text data before cleaning.

## Data Scope:

- Fetched the top [500] posts from the last year.
- Included post titles, self-text, and the top 5 comments for each post to capture a broader range of discussion.



# Methodology - Preprocessing

- To prepare the text data for analysis, the following steps were taken (**using Python and NLTK**):

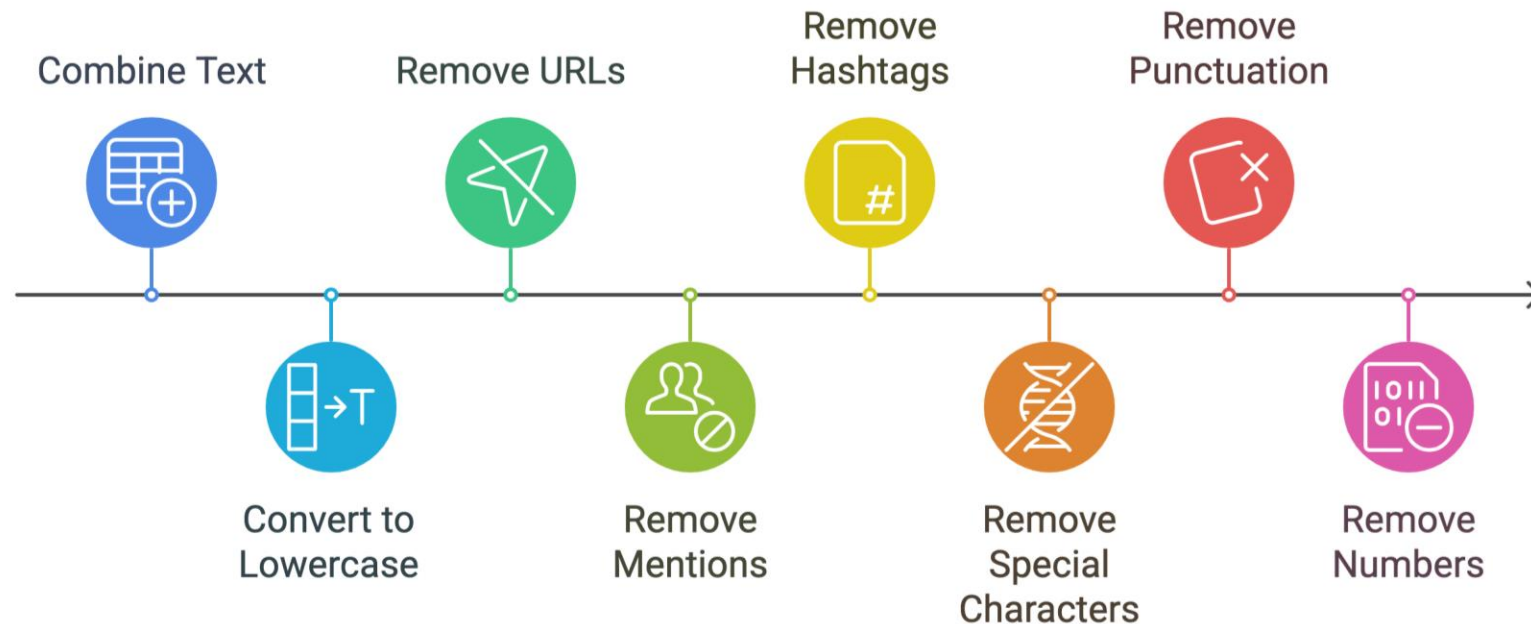


**1. Combined Text:** Post titles, self-text, and comments were merged into a single 'full\_text' field per post.



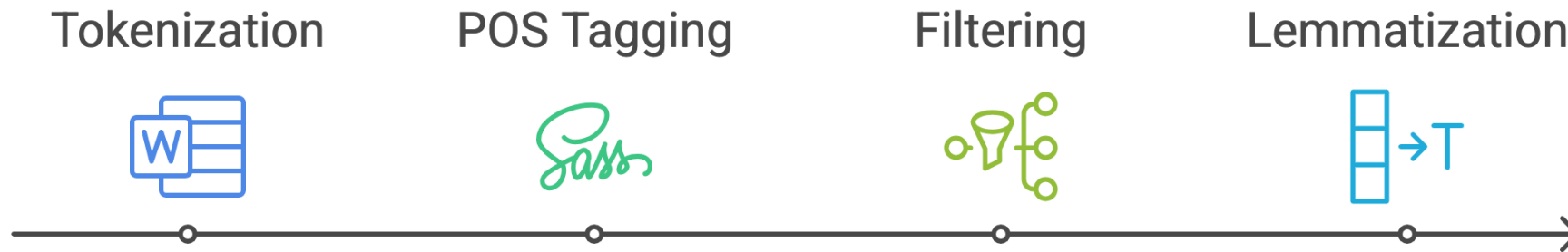
## 2. Cleaning:

- Converted text to lowercase.
- Removed URLs, @mentions, hashtags, and special characters (like | used as a comment separator).
- Removed punctuation and numbers.



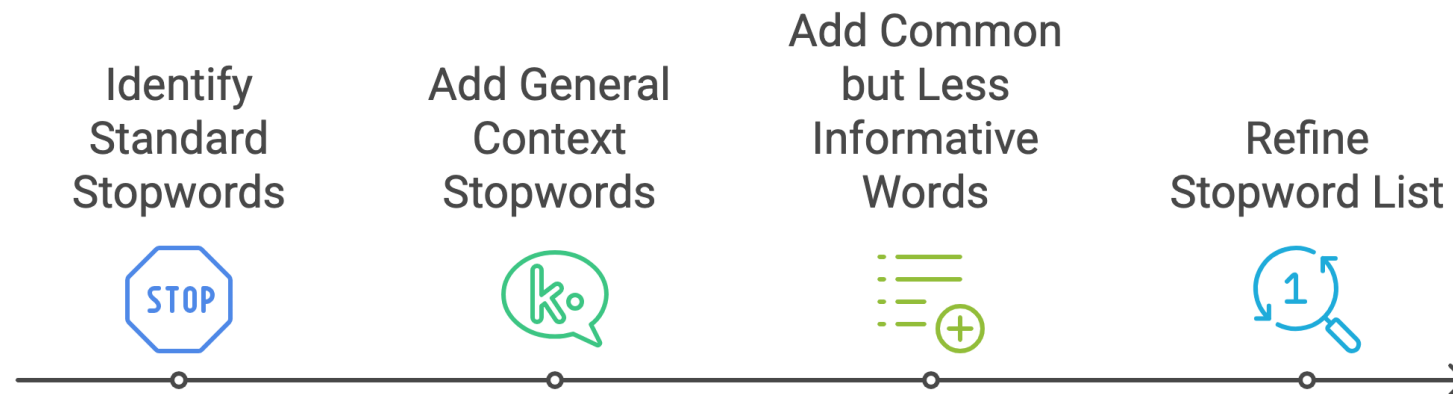
# Methodology - Preprocessing

- **Tokenization:** Text was split into individual words (tokens).
- **Part-of-Speech (POS) Tagging & Filtering:** Words were tagged with their grammatical role. Only Nouns (NN) and Adjectives (JJ) were retained, as they often carry the most descriptive meaning.
- **Lemmatization:** Words were reduced to their base or dictionary form (e.g., "eating" -> "eat").



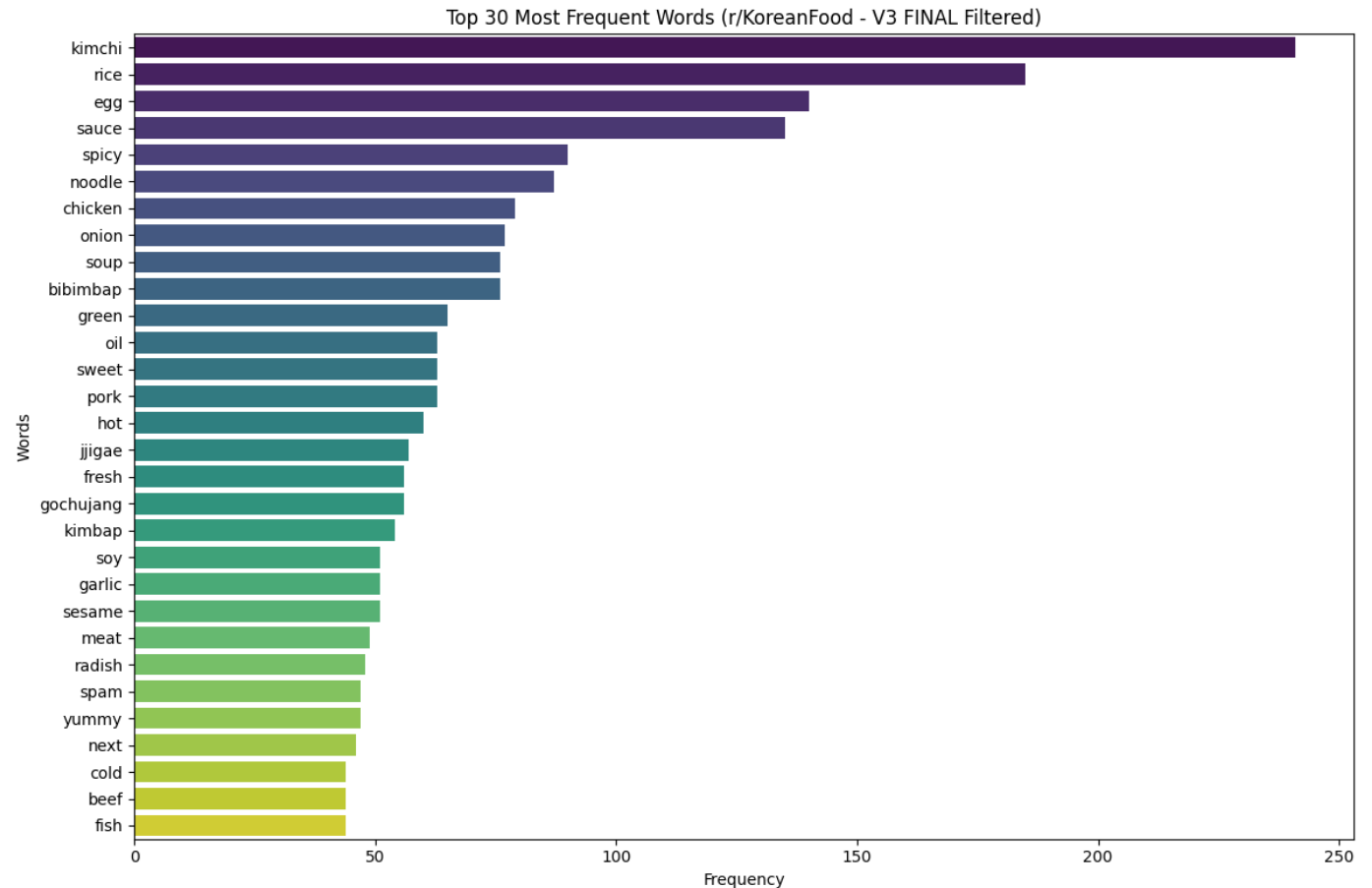
# Methodology - Preprocessing

- **Stopword Removal:** Standard English stopwords were removed (e.g., "the", "is", "a").
- **Custom Stopwords (Crucial Step):** Several layers of custom stopwords were iteratively added to remove:
  - General Reddit/travel/Korea context words (e.g., "korea", "food", "restaurant", "trip", "question", "recommend").
  - Common but less informative words identified from initial frequency lists (e.g., "station", "hotel", "dish", "favorite", "lol").
- This iterative stopwords refinement was key to focusing on specific food terms.



# Results - Top Frequent Words

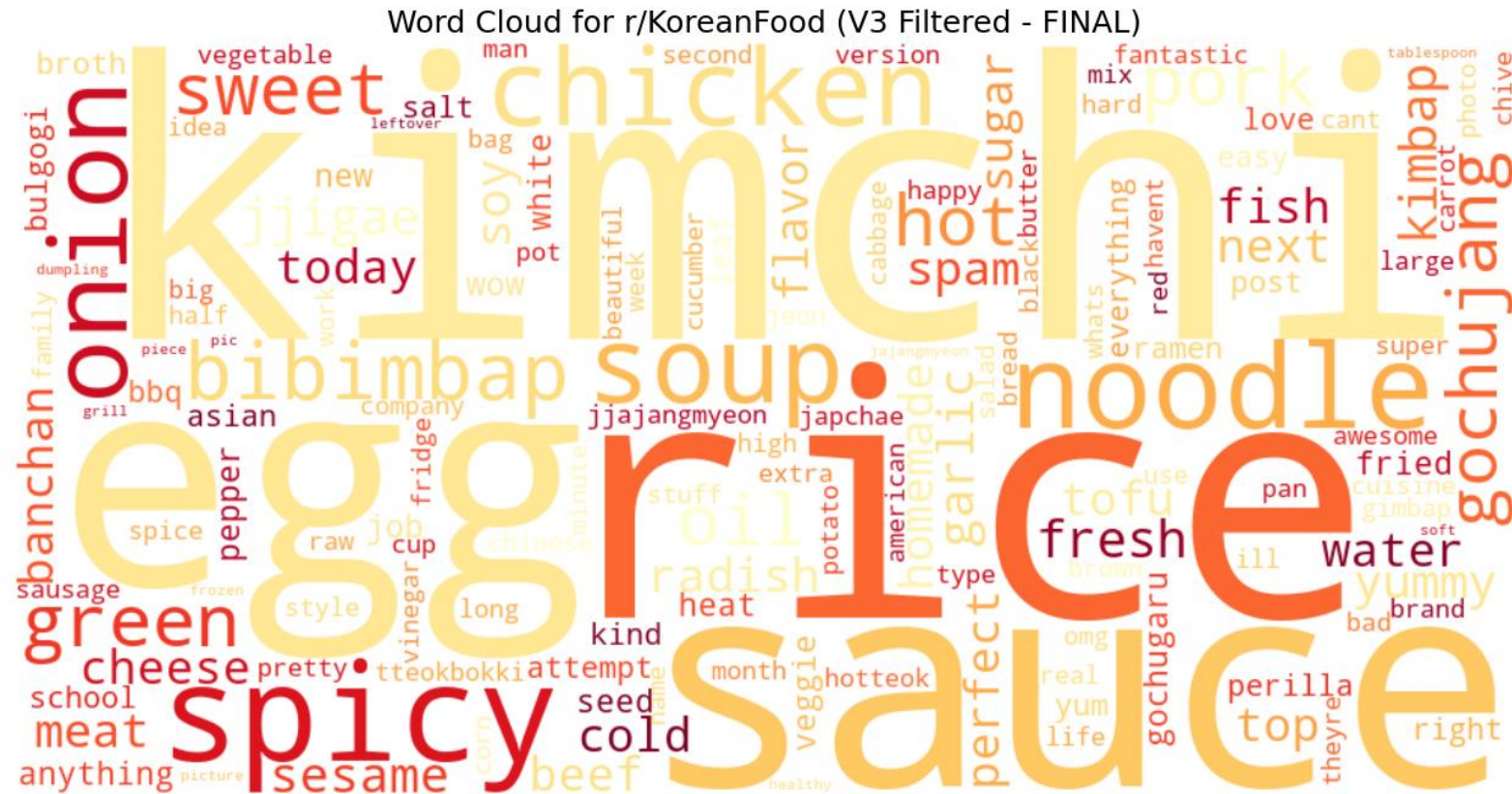
- After preprocessing and multiple layers of **stopword filtering**, the most frequent terms provided a clear focus on specific food items and ingredients.





# Results - Word Cloud

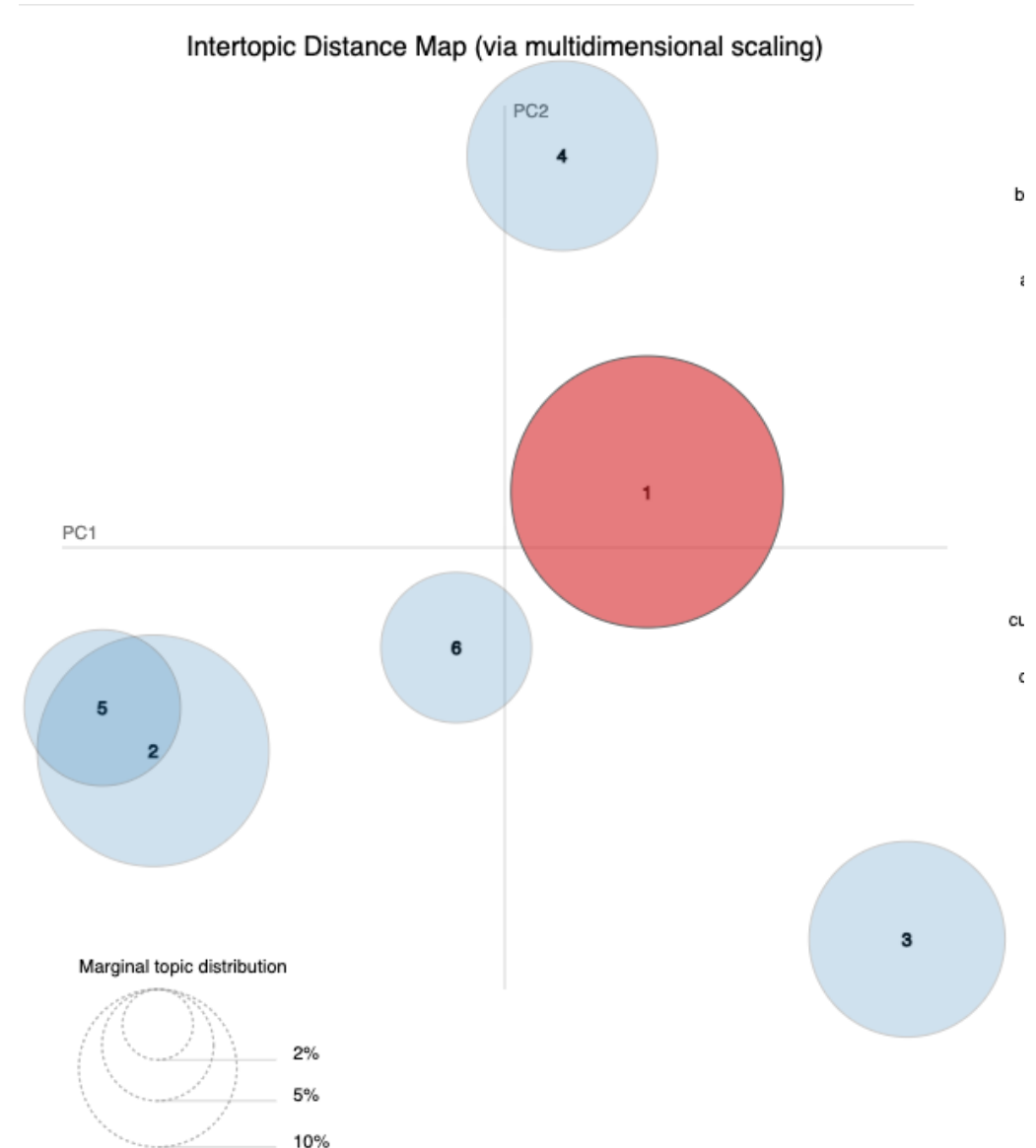
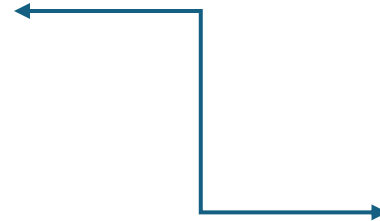
- A word cloud was generated from the final filtered tokens to visually represent the most prominent terms.



# LDA Topic Modeling

- Latent Dirichlet Allocation (LDA) was used to identify underlying themes within the r/KoreanFood discussions.
- **Number of Topics Chosen: 6**

Attached As HTML file



# Discussion & Insights

- The analysis of **r/KoreanFood** reveals a vibrant community focused on specific dishes, ingredients, and cooking methods.
- Unlike broader travel forums, the discussion here is deeply centered on the food itself, with less emphasis on general travel logistics after targeted stopword removal.
- Key dishes like **Kimchi, Bibimbap, Korean BBQ (chicken, pork), Jjigae, and Kimbap** are frequently discussed.
- Essential ingredients like **gochujang, soy sauce, sesame oil, garlic, and onion** are central to many conversations.
- Descriptors like **"spicy," "sweet," and "hot"** are commonly used, highlighting taste profiles.
- The topics identified by LDA provide a structured view of the main conversational clusters, ranging from specific dish types to core ingredients and cooking discussions.

# Challenges & Limitations

- **Initial Data Focus:** Early attempts using broader subreddits (**r/koreatravel**) or general news sources yielded less specific food-related terms, requiring a pivot to **r/KoreanFood**.
- **Iterative Stopword Refinement:** Achieving a clear focus on specific food items required multiple iterations of adding custom stopwords based on observed frequency lists.
- **Reddit Slang/Informality:** The informal nature of Reddit text (e.g., "**lol**", "**youre**") can sometimes appear in initial analyses if not aggressively filtered.
- **Sentiment Analysis (Not Performed in Detail):** While basic sentiment could be inferred, a dedicated sentiment analysis was not the primary focus of this iteration but could be future work.
- **Limited Scope:** Analysis is based on a snapshot of '**top**' posts from one year and may not capture all nuances or long-term trends.

# Conclusion

- This project successfully identified the key food items, ingredients, and discussion themes within the **r/KoreanFood** subreddit.
- By focusing the data source and iteratively refining preprocessing (especially stopwords), it was possible to extract clear and specific insights directly related to **Korean cuisine**.
- The results demonstrate that **r/KoreanFood** is a rich resource for understanding popular Korean dishes and the community's engagement with them.
- The dominant terms and topics revolve around iconic dishes like **Kimchi, BBQ, and Bibimbap**, essential ingredients **like gochujang**, and the experience of preparing and enjoying these foods.