Unleashing the Power of NLP in Jeopardy Question Processing

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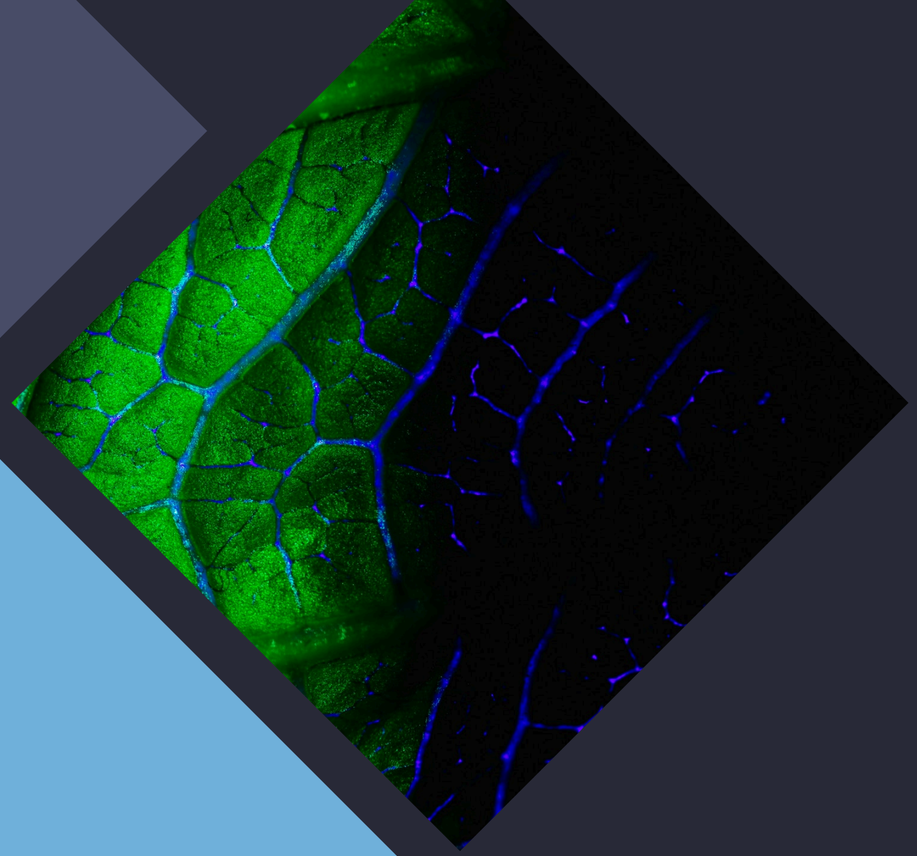
Core Functions

rename_files():
Ensures data integrity by systematically renaming files within the dataset.

advanced_normalize_text():
Normalizes and preprocesses textual data for consistency and analysis.



Integration with Elasticsearch

index_wikipedia_pages:
Efficiently indexes Wikipedia pages for quick and accurate retrieval of information.

Technology:
Leveraging Elasticsearch for robust search capabilities.

Cutting-edge Integration

search_and_rerank_with_chatgp: Dynamically reranks search results using OpenAI's GPT-3.5 Turbo model.

Significance
Enhances accuracy by dynamically adjusting results based on Jeopardy clues.

Evaluation and Impact

evaluate_match_es_for_p_at_1: Measures precision at 1 to assess the effectiveness of the information retrieval system.

Results: Demonstrated remarkable precision and accuracy through rigorous testing.

Impact: Showcases potential of combining advanced NLP techniques with innovative technologies to address real-world challenges.

Conclusion

Harnessing the power of NLP in Jeopardy question processing offers exciting opportunities for advancing artificial intelligence. By leveraging NLP techniques and addressing challenges, we can enhance question interpretation and drive innovation in the field of natural language understanding.