



Visual Review Analytics: Feature Extraction For Sentimental Analysis

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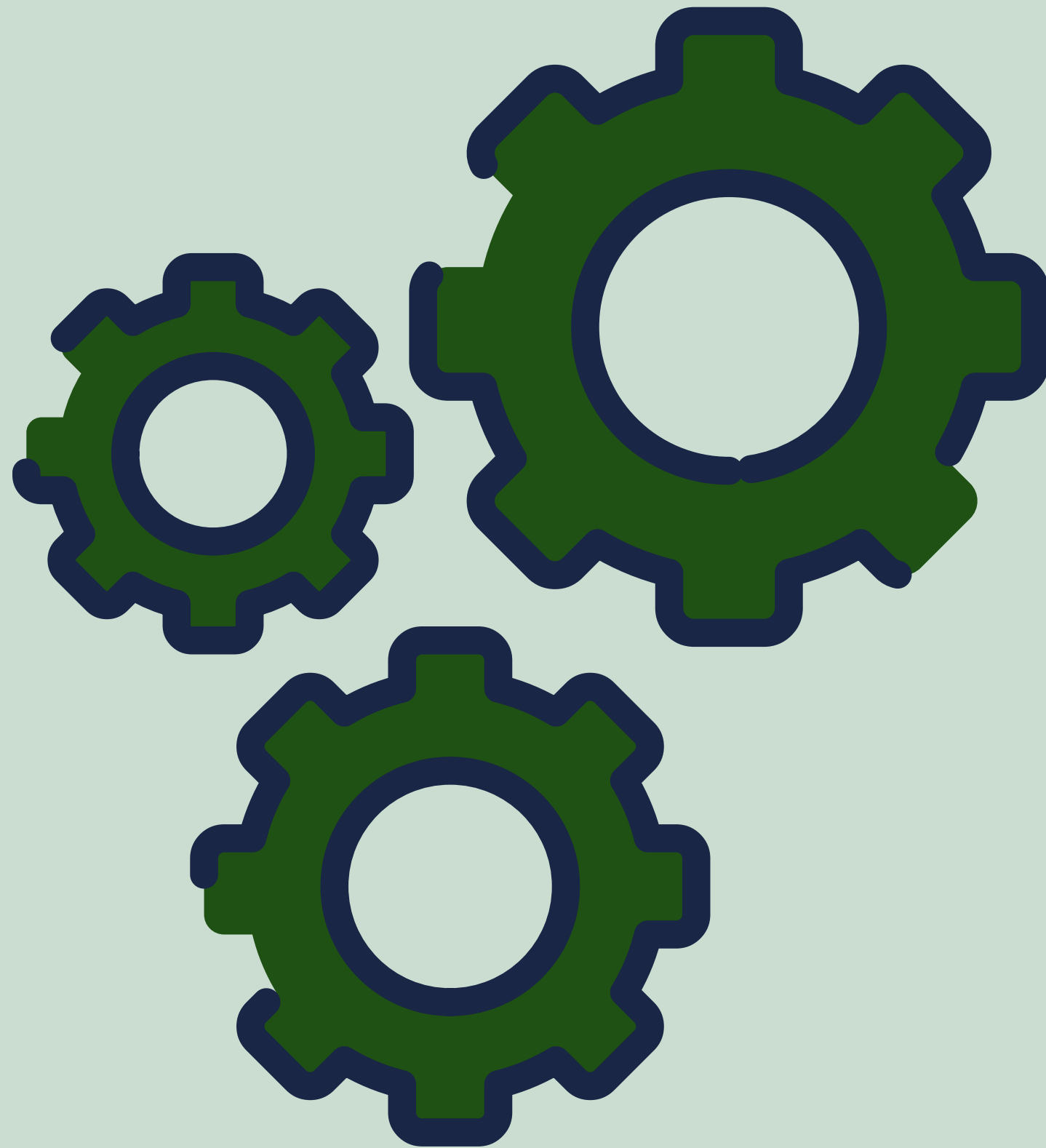




Project Title

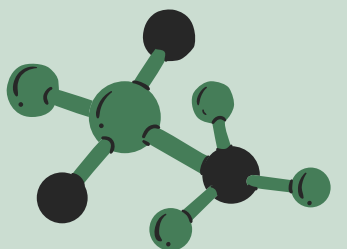
Visual Review Analytics: Feature
Extraction For Sentimental Analysis

Problem Statement



Many reviews, pieces of advice, and concerns are left by customers on review sites. These all require extensive physical labor, time, and expense to read and comprehend.

Therefore, in order to solve this problem, our goal is to develop a platform that can summarize several important factors, such as the most recent reviews, the overall rating, the sentiment distribution, etc





Literature Review



Finding & Analyzing App Reviews [1]

- (i) find reviews that talk about a specific feature.
- ii) identify bug reports, change requests and users' sentiment about this feature.
- (iii) visualize and compare users' feedback for different features in an analytic dashboard.

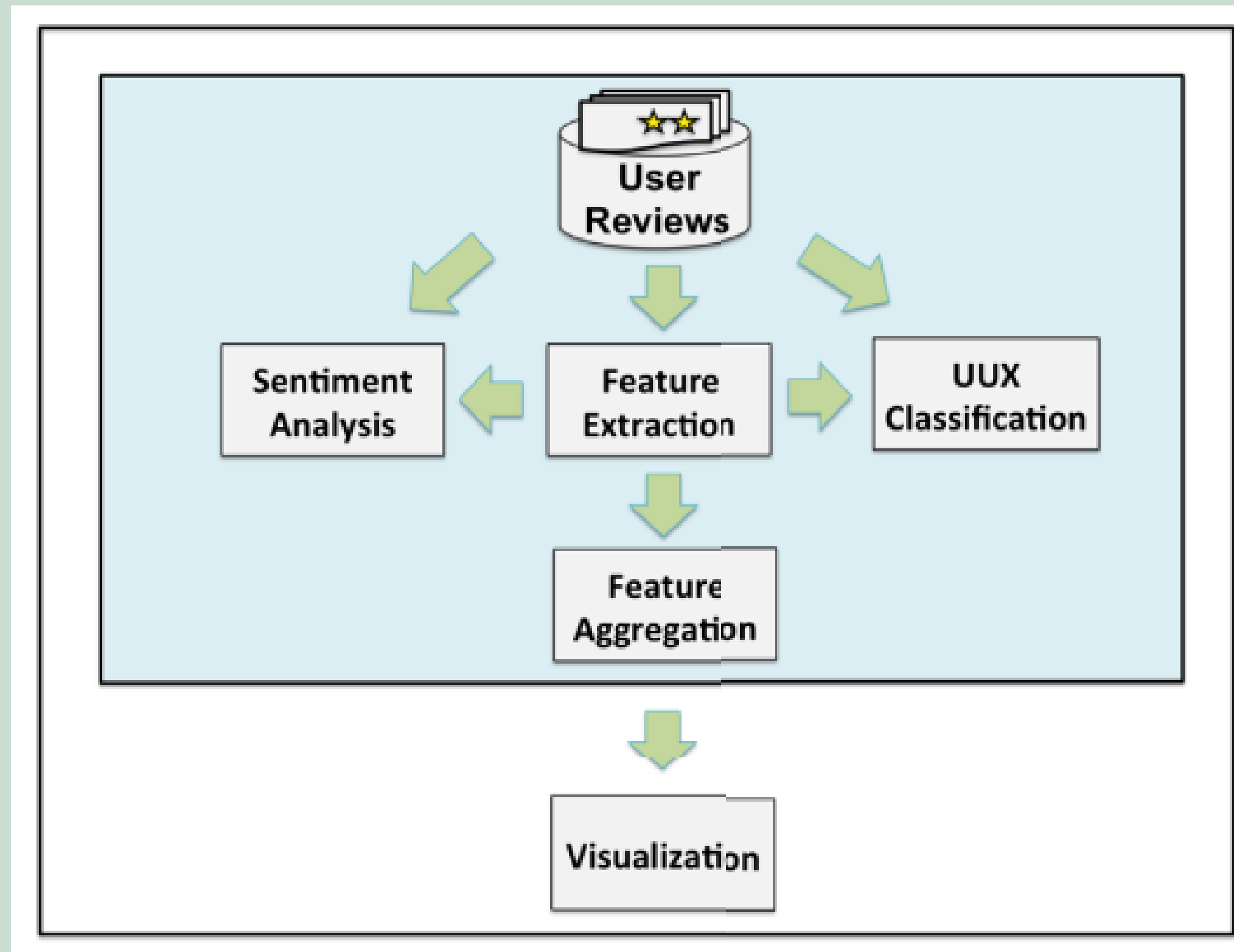
A Fine Grained Sentiment Analysis of App Reviews [2]

- (i) Extracted features from the reviews of 7 applications of various categories from Google Play and Play using Collocation algorithm
- (ii) Assign sentiment score for each features extracted from the review.
- (iii) Used topic modelling to group similar meaning features.

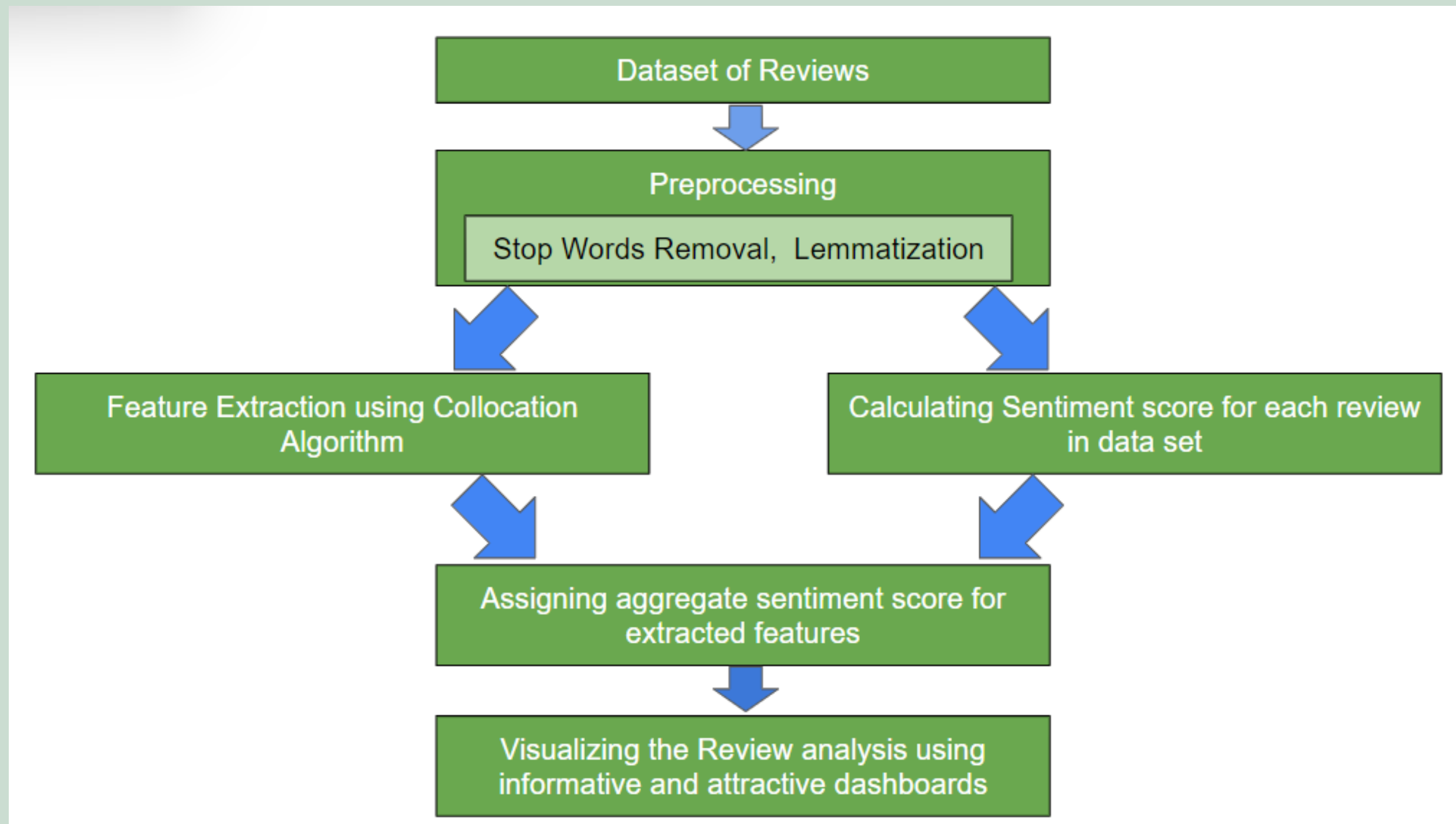
Detecting Usability and User Experience Issues from User Reviews [3]

- (i) An approach to automatically detect the Usability and User experiences (UUX) strengths and issues of software features.
- (ii) Index Terms—user feedback; software evolution; text mining; user experience; usability.
- (iii) Visualization can aid human cognition by leveraging the visual capacity for identifying patterns, trends, outliers, making it easier for developers and analysts to interpret the mined data.

Design of Proposed Methodology



Plan of Implementation



References

- 1] Finding and Analyzing App Reviews Related to Specific Features: A Research Preview (amazonaws.com)
- 2] How Do Users Like This Feature? A Fine Grained Sentiment Analysis of App Reviews (amazonaws.com)
- 3] Which Feature is Unusable? Detecting Usability and User Experience Issues from User Reviews (amazonaws.com)
- 4] Huiying_Li__Li_Zhang__Lin_Zhang__Jufang_Shen_-
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-_Shanghai_China_(2010.12.10-2010.12.12)_2_(2010_IEEE)_10.1109_pic.2010.5.pdf
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Thank you

