A Real Time Stream Data Processing and Analysis Model and Catchments over Twitter Stream Data

Authors:
Ankit Sarawagi, Rajeev Pandey, Raju Barskar, S. P. Pandey

Abstract

Big data processing is an important aspect in today's world. Twitter produce a large number of tweets and different segments of data according to user usage and post. Understanding the proper sentiments, extracting the proper meaning from it is an objective task which requires different processing tools and methodology. Real-time data gathering, storing them, and analyzing them efficiently to produce effective and fast accessible result approach is always a required work today. For this purpose, in this research work, a technique PSWNSWAP is proposed, which uses Twitter stream data gathering in real-time as well as fast indexing, processing, and performed sentiment analysis of gathered data. Distance computation, finding the right place to perform some operations is the tedious task for business operations or any brand to get established in new areas. Here's an algorithm which is St-QAP algorithm, investigated and processed with the Apache Storm tool and NLP library. The objective is to produce an efficient path mapping and catchments for new brands to establish in a new area and solving investigation behind it. Our proposed algorithm computed efficient results, while comparing with existing traditional solutions.
with it.

References


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Index Terms

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Keywords

Big Data processing, Real Time streaming, Twitter, NLP computation, Storm processing, PSWNSWAP, St-QAP, Distance computation, Catchments.