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

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Abstract

Big data processing is an important aspect in today's world. Twitter produce a large number of tweets and different segment of data according user usage and post. Understanding the proper sentiments, extracting the proper meaning from it is an objective task which is required different processing tools and methodology. Real time data gathering, storing them and analyzing 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 use 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 operation is the tedious task for business operation or any brand to get established in new areas. Here’s an algorithm which is St-QAP algorithm, is 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 result, while comparing with existing traditional solution.
With it.

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Keywords

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