

# >> from Apache Spark import Technology, Fun

(Analysis on Payment Technologies, Batman v Superman movie)





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## Abstract

The Project involves collection of Twitter Data using Tweepy, A Python based API used to collect Tweets from public streams & storing it in json format. The Analysis of collected data was done using Apache Spark, an Open Source Software used to analyze large amounts of data by running it through custom queries. The visualization of analyzed data was done through D3.js, A JavaScript library for manipulating documents based on data.

# Architecture public data Sport SQL Python Queries Fundance Collected Data Input Data Analyzed Gutput Visualization

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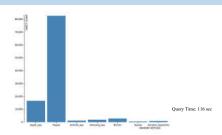
Dataset 1: Tweets collected over a period of week on Different Payment Technologies like Apple Pay, Samsung Pay, Android Pay, PayPal etc.

Dataset II: Tweets collected about the movie "Batman v Superman: Dawn of Justice"

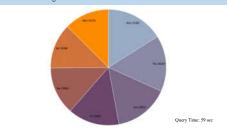
Dataset III: Public Dataset from U.S. Department of Education on all Accredited Universities in U.S.A.

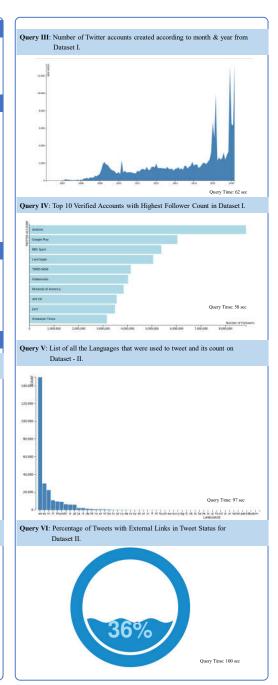
## Queries & Visualization

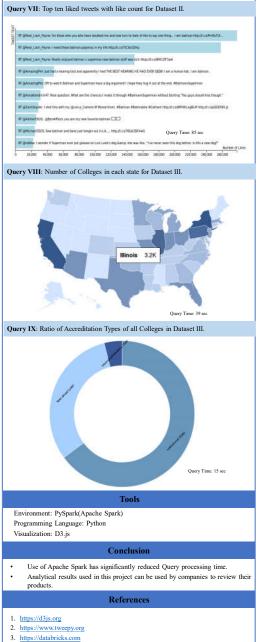
Query I: Number of Tweets for each Payment Technology over a week in Dataset I.



Query II: Tweet count on each day over a period of week for all Payment Technologies in Dataset I.







4. https://spark.apache.org/docs/1.6.0/api/python/pyspark.sql.html