

Team Number:

8

Title:

Identification and Analysis of popular trends around the world.

Description:

The objective of this project is to develop a SaaS Web Application/API Framework which provides real-time analytics of current events using Twitter and Meetup streaming data. This tool can be used to visually identify active social gatherings and help organize targeted activities with high audience participation.

Members:

Aditya Bhardwaj (ABHARDW2)
Gautam Verma (GVERMA)
Samir Jha (SJHA4)

Deliverables:

1. SaaS Web Application that displays current information on events like meetups/trends/news/forecast in real-time.
2. Application offers insights (Batch Analytics) of the data with respect to different time frames such as hour/day/month.
3. Application offers slice-dice operation as per the demographics specified by user.

Dependencies

- Analysis depends upon Stream Velocity.
- Twitter and Meetups Stream APIs.
- Amazon AWS:
 1. Amazon Kinesis
 2. Amazon S3
 3. Amazon Lambda
- Apache Hadoop

Issues

1. Figuring out how the system scales with respect to data inflow.
2. Synchronizing the two different velocity streams.
3. Identifying the best strategies for Data Pre-processing and cleaning in real-time.