

Tweet Listener to Kafka topic

KAFKA TOPIC

Kafka Topic is Streamed with latest offset

LDA DATA LABELING

MULTICLASS CLASSIFICATION

KERAS COMPLAIN CLASSIFICATION

KERAS MODEL SENTIMENT ANALYSIS

SPARK LAYER - STREAMING JOB LIFECYCLE

SPARK STREAMING

ENTITY EXTRACTION

Enriched data sink to parquet file

(S3, Hive, Hadoop, kafka)

API CALL TO

REPLY TWEET AND GENERATE TICKED ID

PARQUET

FILE