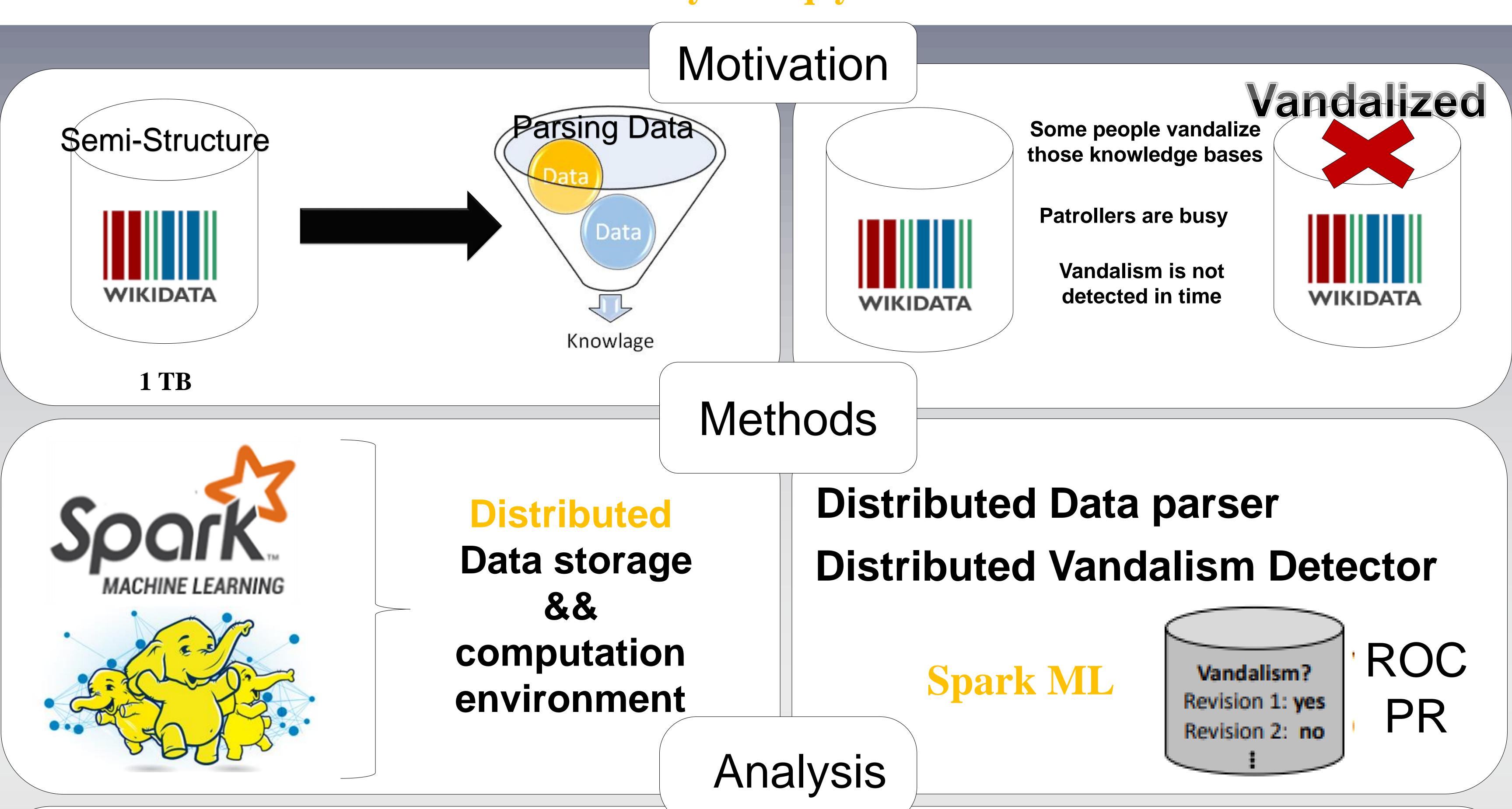


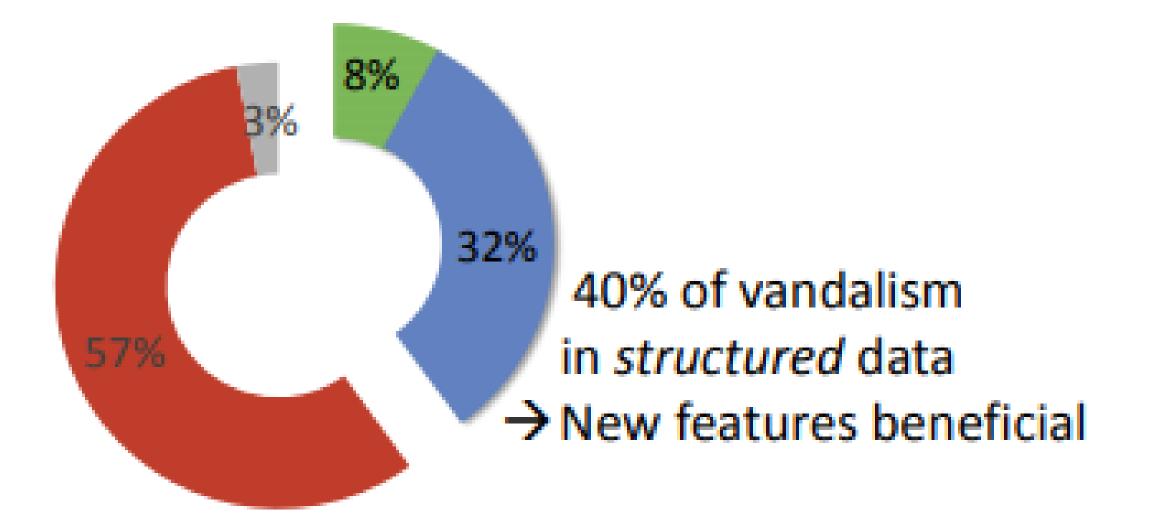


Efficient Data Parsing and Vandalism Detection on (Big) Knowledge Bases using Apache Spark and Hadoop ecosystem

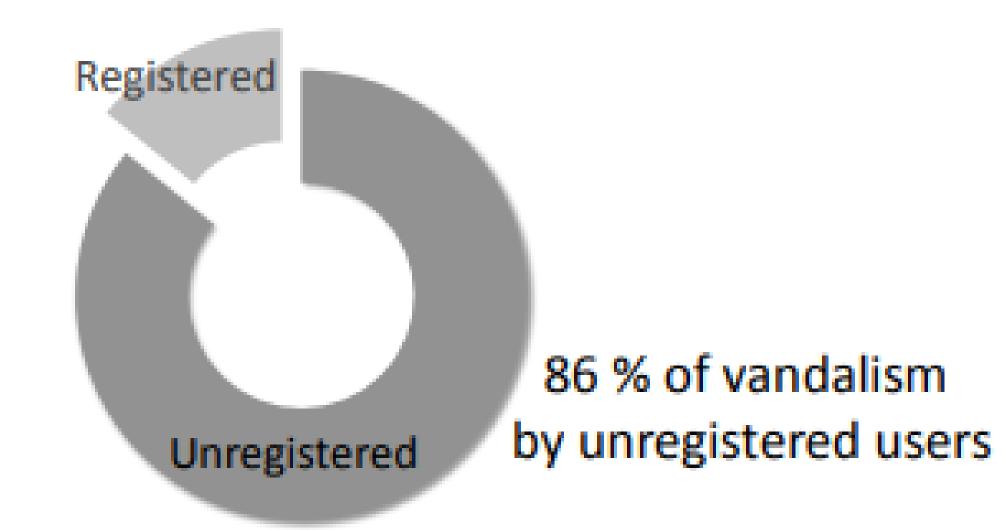
Nayef Roqaya



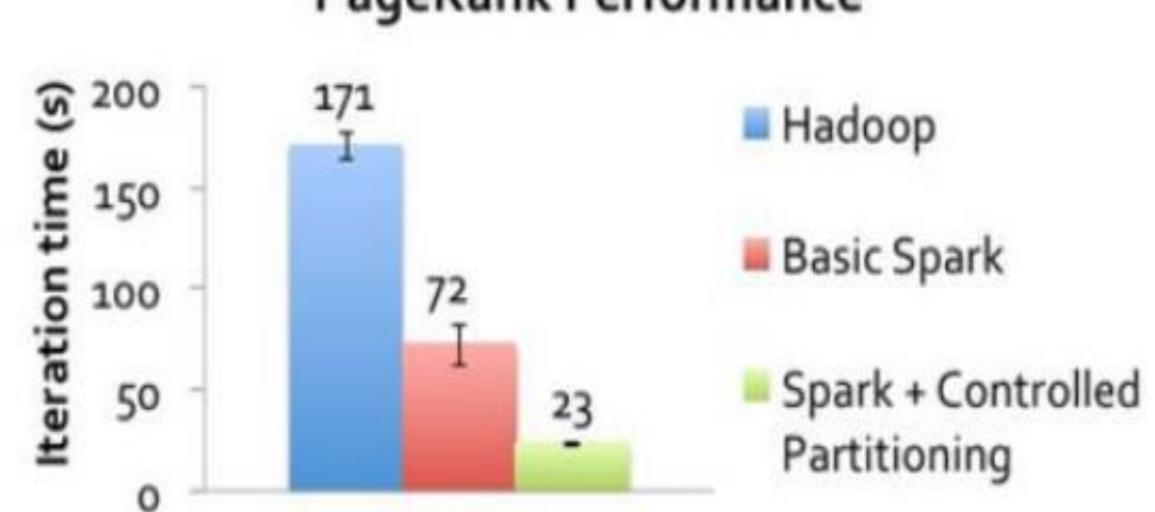
What is vandalized?



Who vandalizes?



PageRank Performance



Results & Limitations

- Features engineering plays a vital role in improving results of ML vandalism approach.
- By Spark with controlled partitioned techniques, the performance is efficient.
- Hadoop consumes a big size data storage
- Streaming Data from Hadoop cannot deal with compressed files as result to need to keep logic partitioning and physical partitioning in our case study.

Conclusion

Vandalism can reduce the quality of knowledge bases. Detect vandalism automatically is possible.

References: https://www.heindorf.me/wdvd.html - www.wsdm-cup-2017.org