

## **Big Data Lab:**

The Big Data Lab is a dedicated development environment, within your current technology infrastructure, that can be created explicitly for experimentation with emerging technologies and approaches to big data and analytics.

### **Activities in the a Lab:**

Assemble a selected set of technologies to be evaluated during Semester

Test permutations against high value use cases

Develop recommendations from the testing scenarios to drive future architecture and usage

### **Lab's Objectives:**

Create a "Proof-of-Concept" that shows how these technologies can be integrated into your enterprise existing architecture

Develop future-state AI architecture recommendations

Deliver low-cost, high-performance, agile BI and data discovery, with a focus on big data technologies

Pilot new analytical capabilities and use cases to prove business value and inform a long-term roadmap to compete on analytics

Establish a permanent "Innovation Hub" within your architecture and center for big data and analytics skill-building

### **List of Software Available:**

HADOOP

CASSANDRA

PIG

SPARK

HIVE

HBASE

ZOOKEEPER

SQOOP

SOLR

MAHOUT