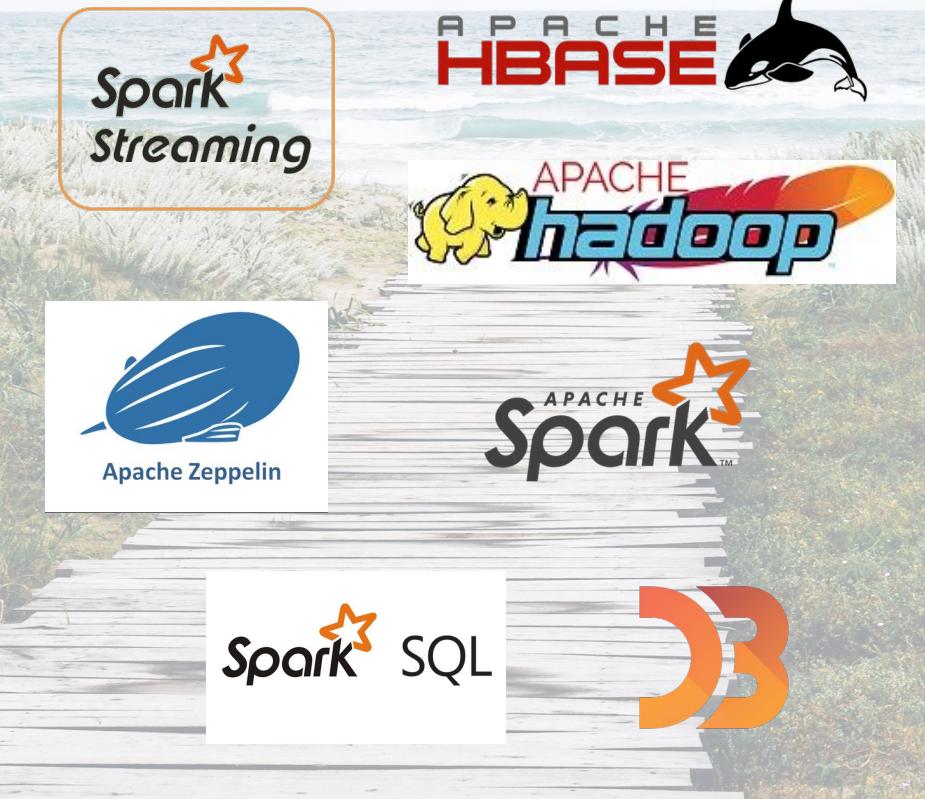




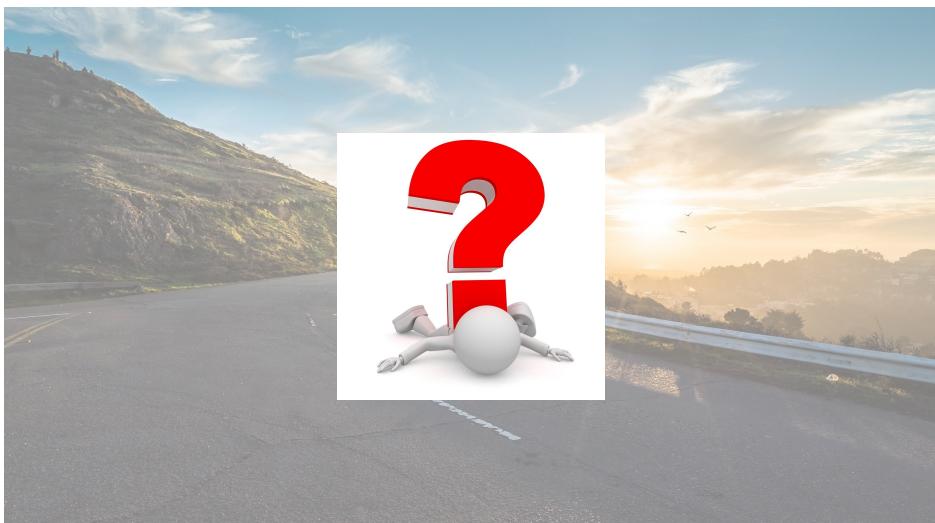
# BDTwiTrend ROAD TRIP

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BDT CS 523 - MUM, IA  
March 14-20, 2018



What is **Going**  
on There?





Kafka? Really, Is it a  
**BRAND** of cap?

Connect SparkSQL and  
HBase - Wait, HOW? Is it  
**REQUIRED?**

Presentation? - Will I have to  
**SPEAK?**

**THE CHALLENGES**

SparkStream, Yeah, I  
heard. Is it a game? You  
mean **STEAM**?

Real time Visualization? -  
Sounds **COOL**, isn't it?

A simple **DEMO** - Did you  
just say **SIMPLE**?

5 DAYS.

1 MAN.

9 CORE TECHS.

and more...



<https://d3js.org/>

<https://zeppelin.apache.org/>

<http://twitter4j.org/>

<http://www.scala-lang.org/>

<http://hadoop.apache.org>

<http://hbase.apache.org>

<http://hbase.apache.org>

<http://kafka.apache.org>



**BDTwiTrend - Highway on the internet**

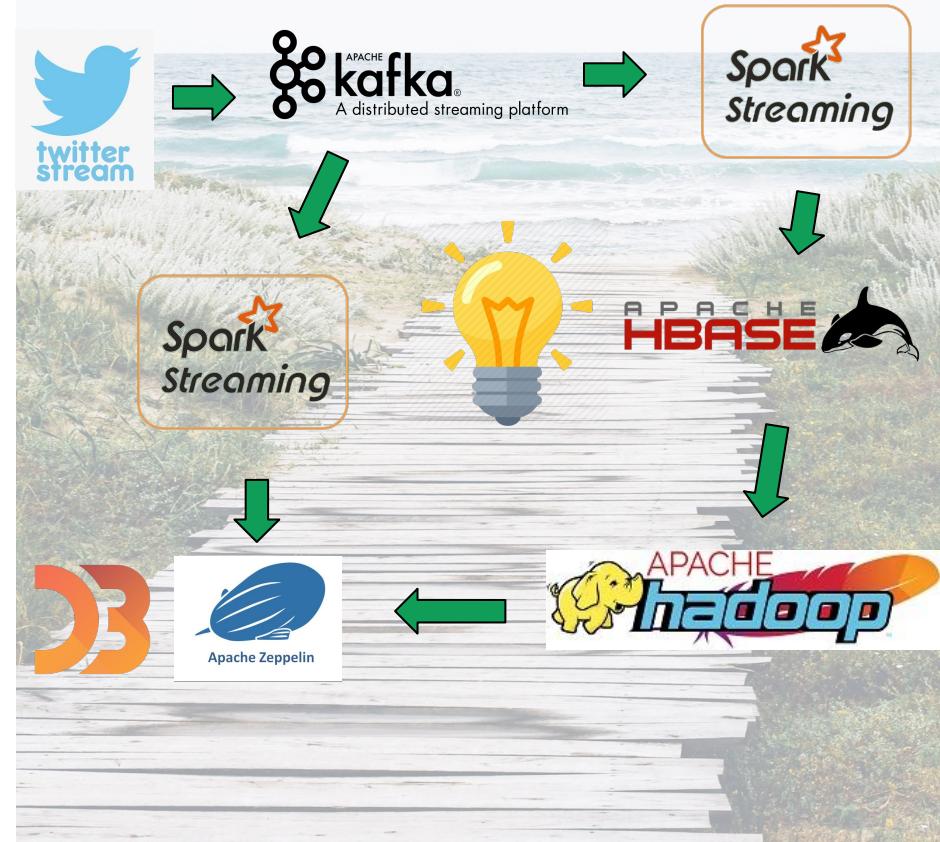


Let's see  
AGAIN?

Let's start...

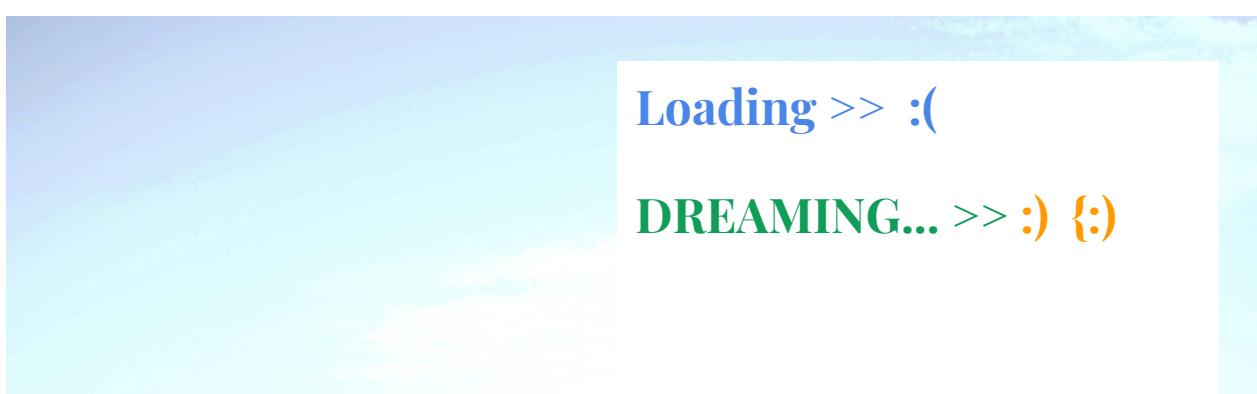
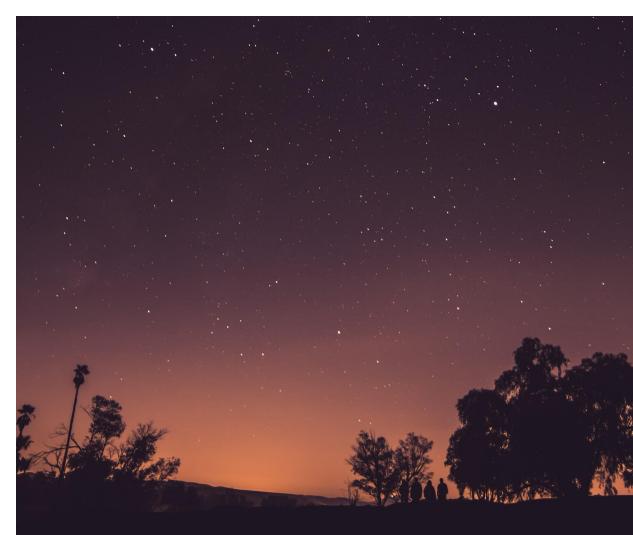


Happy Coding!



How to set up local **ENVIRONMENT** *without Cloudera*  
Running **SLOW**  
**VERSION** compatibility  
What is **REAL REAL TIME?**

**THE CHALLENGES**



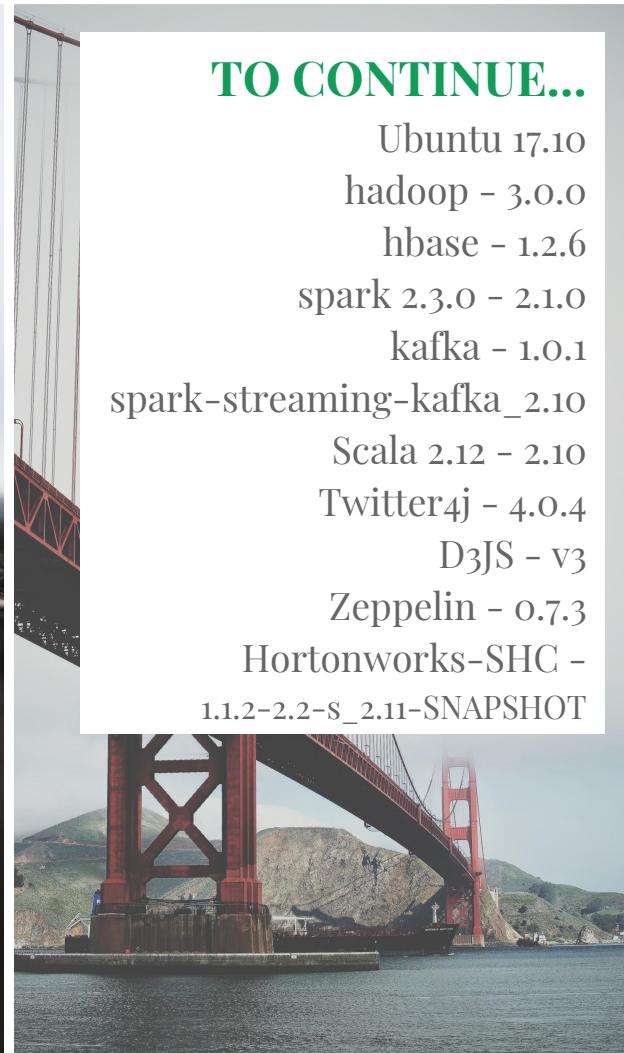
Loading >> :(

DREAMING... >> :) {}



## INTO OCEAN...

Cloudera  
Hbase integration with hive  
Spark Highcharts-0.6.5  
Plotly  
Tableau  
Databricks  
Jupyter  
Python  
NodeJS

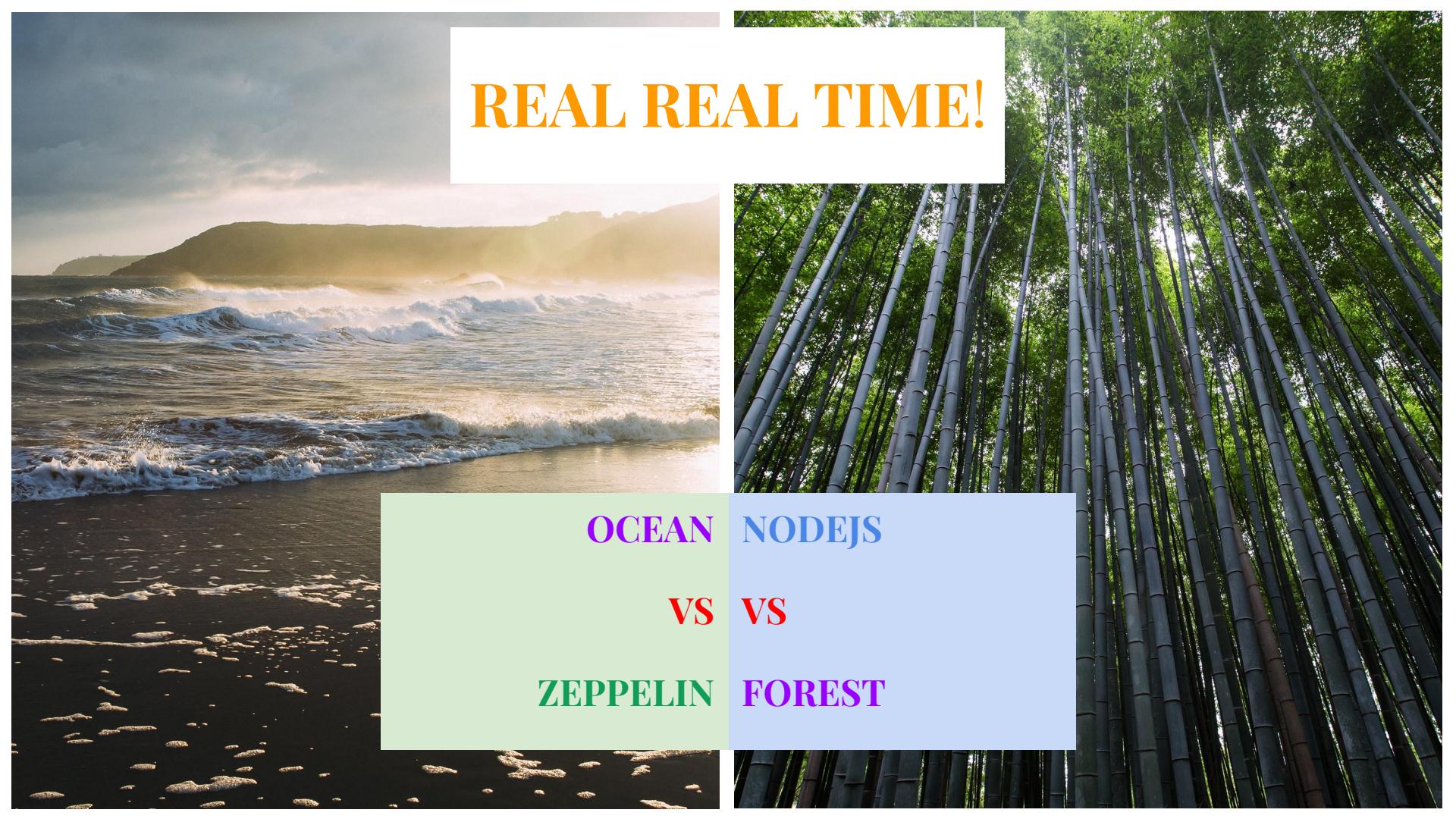


# Long Nights

4:28am

Like we did





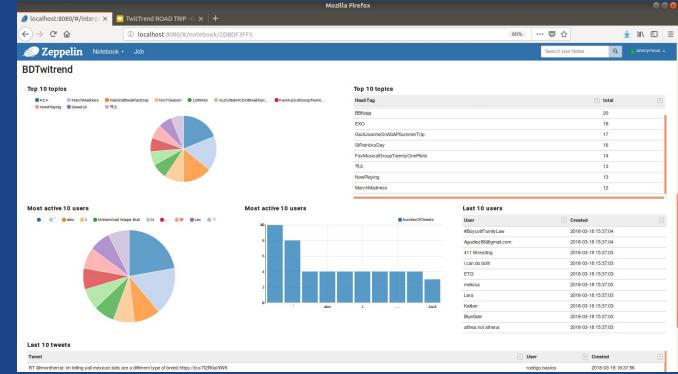
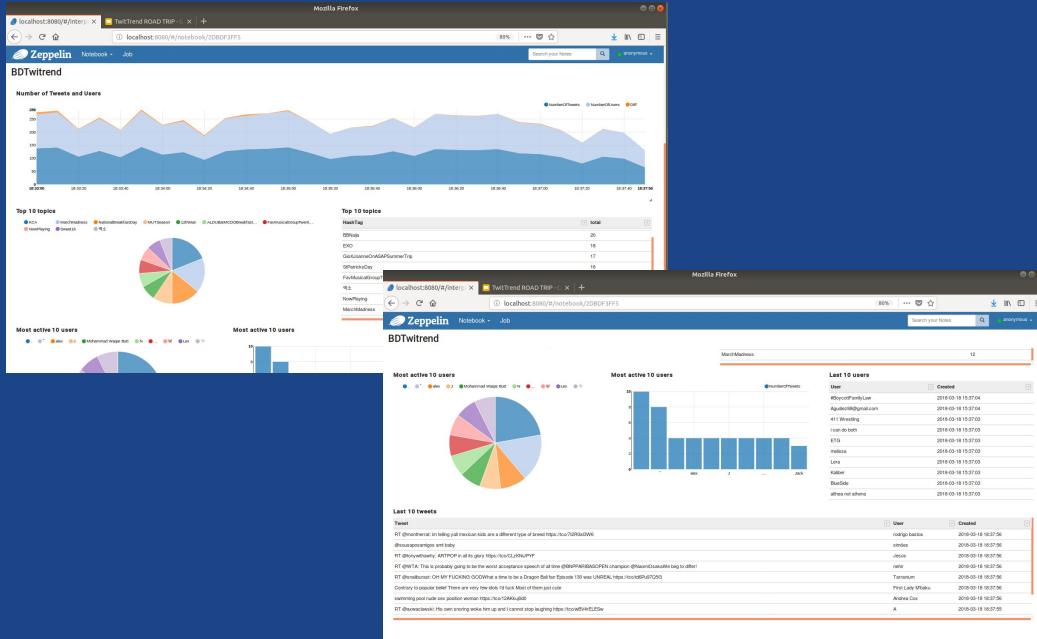
# REAL REAL TIME!

OCEAN    NODEJS

VS    VS

ZEPPELIN    FOREST

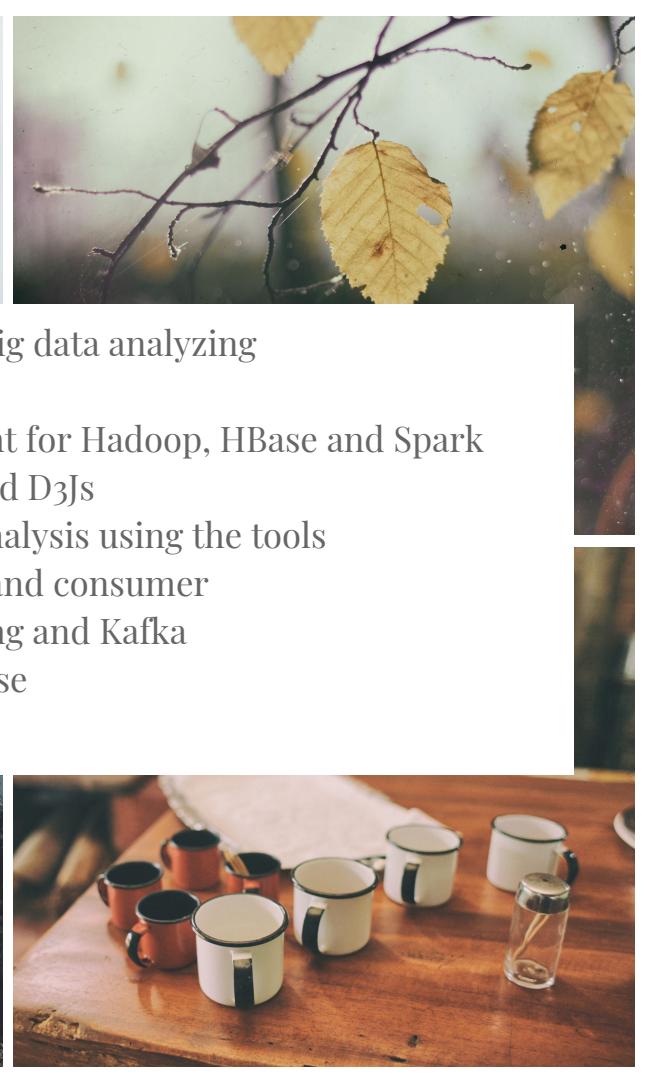
# DEMO & CODE



A photograph of the Golden Gate Bridge in San Francisco, California, showing the iconic red towers and suspension cables against a clear sky.

After a **LONG**  
**JOURNEY**,  
I've just **COME**  
**HOME.**

- General understanding about big data analyzing
- How it works
- How to set up local environment for Hadoop, HBase and Spark
- How to use Apache Zeppelin and D3Js
- How to implement real-time analysis using the tools
- How to create Kafka producer and consumer
- How to connect Spark Streaming and Kafka
- How to connect Spark and HBase
- Beginner with Scala

A photograph of a wooden table with several white and orange enamel mugs and a small glass sugar bowl with a spoon on a napkin.

<https://github.com/bbatjargal/BDTwitrend>