

# **DStreams**

# **Transformations**



# Objective

Practice transformations on DStreams



# Takeaways

## Functional transformations

```
dataStream.map(_.length)
dataStream.flatMap(_.split(" "))
dataStream.filter(line == line.toLowerCase())

for {
    line <- dataStream
    word <- line.split(" ")
} yield word.toUpperCase()
```

## Stream-oriented transformations

```
myStream.count()           // DStream counting the number of records in each batch
myStream.countByValue()     // DStream[(K,V)] counting the occurrences of each value
myStream.reduceByKey(_ + _) // only on DStream[(K,V)]
```

```
myStream.foreachRDD { rdd =>
    ...
}
```

# Spark rocks

