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## Load predictions from JSON

```
In [3]: sc = spark.sparkContext
sc.addFile("../../de_classes/data_storage/hadoop_file_handler.py")

# Import the HadoopFileHandler class
from hadoop_file_handler import HadoopFileHandler

# Create an instance of HadoopFileHandler
handler = HadoopFileHandler()

# Read raw data from HDFS
df = handler.read_json('data/predictions/predictions3.json')
```

24/09/07 15:10:47 WARN SparkSession: Using an existing Spark session; only runtime S QL configurations will take effect.

```
In [4]: df.show(10, truncate=False)
```

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```
Review
|prediction|
|all item are good but get i order
good seller delivery man parcel good condition
|comfortable mask
12.0
so good
2.0
|best best best
2.0
v good tq
2.0
|i am so happy i have received goods today i am very satisfied happy
|fast delivery good quality nice packing will order again
12.0
received good condition
item not enough oder got je chat seller has asked send enough not enough items but
seller doesn t care other people say he says something else send s hard 0.0
only showing top 10 rows
```

## **Filter only Negative Reviews**

```
In [5]: # Filter DataFrame to only contain rows where prediction = 1.0
filtered_df = df.filter(df.prediction == 0.0)

In [6]: filtered_df.count()
Out[6]: 82
```

## **Produce Messages**

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```
In [10]: # Assuming `df` is your DataFrame and it has a column named "Review"
    for row in filtered_df.select("Review").collect():
        review = row["Review"]
        negativeProducer.produce_message({"Negative Review": review})

In [11]: negativeProducer.close()

In [12]: spark.stop()
In []:
```