```
# Databricks notebook source
# Databricks Part 2 - Simulated Streaming with Model

# COMMAND ----------

#### Load the saved model
from pyspark.ml.pipeline import PipelineModel

model = PipelineModel.load
("dbfs:/FileStore/tables/fake_news_best_model")
#model =
PipelineModel.load("/dbfs/FileStore/models/fake_news_best_model")

print("** Model loaded.")

# COMMAND ----------

print(type(model))

# COMMAND ----------

#### Load the streaming data (new messages)
df_stream = spark.read.csv("dbfs:/FileStore/tables/stream_batch_1.csv",
header=True, inferSchema=True).na.drop()
display(df_stream)

# COMMAND ----------

#### Apply the model
from pyspark.sql.functions import current_timestamp

predictions = model.transform(df_stream).withColumn("timestamp",
current_timestamp())
display(predictions.select("text", "prediction", "timestamp"))

# COMMAND ----------

#### Save predictions to persistent storage
predictions.select("text", "prediction", "timestamp") \
    .write.mode("append").option("header",
True).csv("/FileStore/tables/stream_results")

# COMMAND ----------

#### Query predictions with Spark SQL
predictions.createOrReplaceTempView("stream_results")
spark.sql("SELECT prediction, COUNT(*) as total FROM stream_results GROUP
BY prediction").show()
```