



# BIG DATA AND DATA ANALYTICS APPENDIX

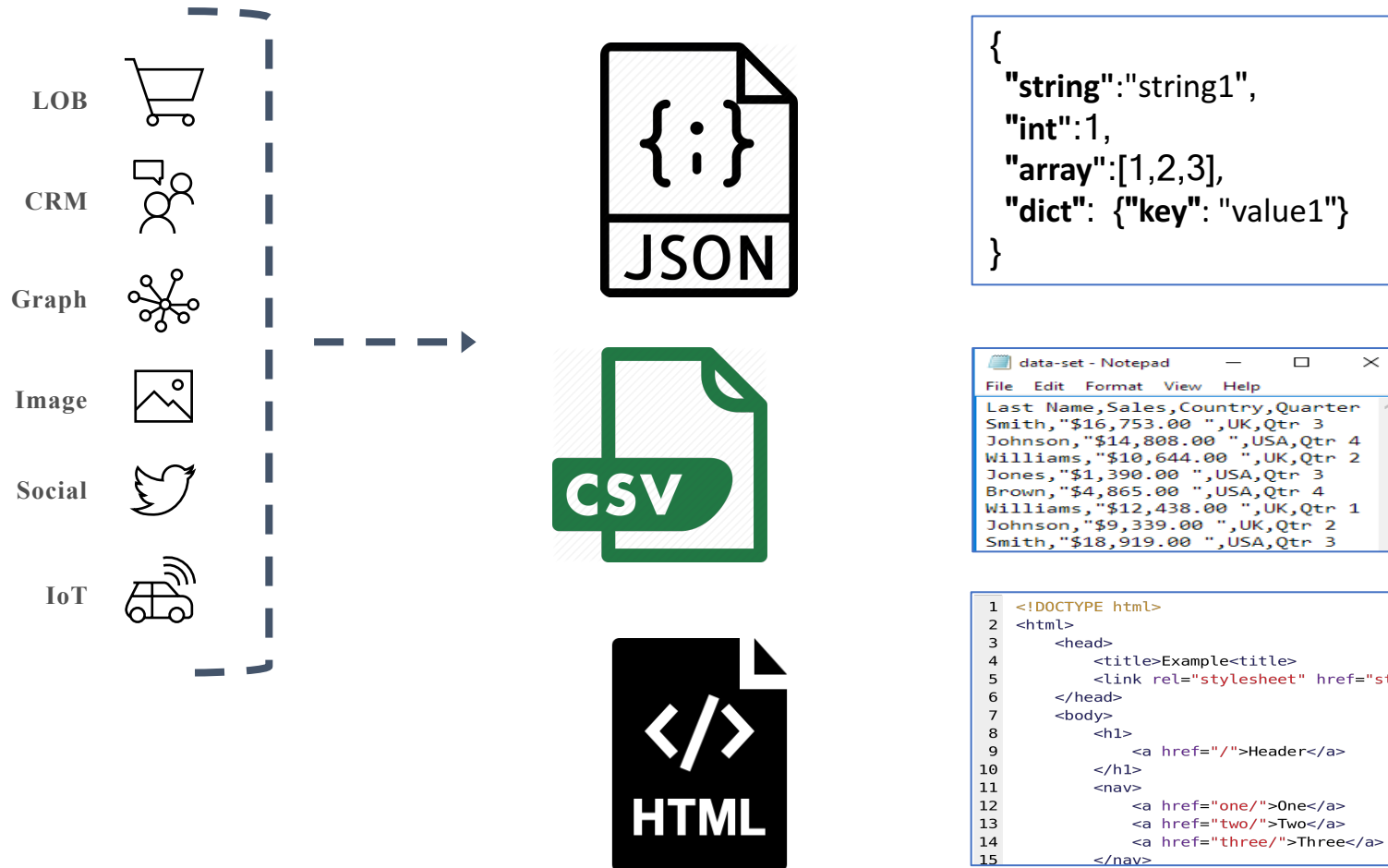
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# Big Data File Formats

# What file formats are most common when ingesting Big Data?

## Common Source Types



## Challenges:

- Human Readable
- Not stored in parallel
- Likely inefficient

# What file formats are most common when storing Big Data?



# Common Big Data Storage Formats

## BIG DATA FORMATS COMPARISON

	Avro	Parquet	ORC
Schema Evolution Support			
Compression			
Splitability			
Most Compatible Platforms	Kafka, Druid	Impala, Arrow Drill, Spark	Hive, Presto
Row or Column	Row	Column	Column
Read or Write	Write	Read	Read

Source: Nexla analysis, April 2018