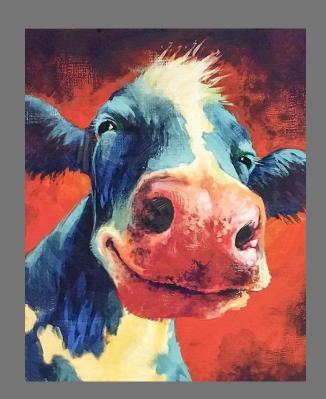
# Cheap Long-Term Storage of structured data

Using AWS Data Wrangler, S3 and Parquet files

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## **User Requirements**

- structured data
- long-term storage
- large\* batch processing oriented
- standard & Open\*
- cheap

#### Ideas: data format

- structured data
- large\* batch processing oriented
- standard & Open\* AVRO or PARQUET

## **Ideas: storage**

- structured data
- long-term storage
- large\* batch processing oriented
- standard & Open\*
- cheap



#### **Tools**

- AVRO/Parquet
  - structured data
  - large\* batch processing oriented
  - standard & Open\*
- S3
  - long-term storage
  - standard & Open\*
  - cheap

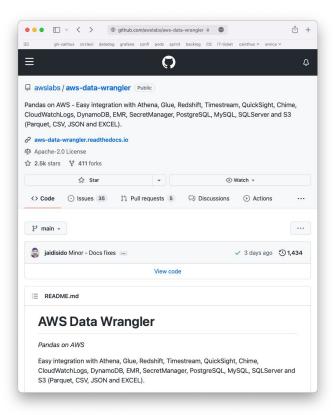
### **Tools (in Python)**

- AVRO/Parquet
  - structured data
  - large\* batch processing oriented
  - standard & Open\*
- standard & Open Clap

# **Tech requirements**

- AVRO/Parquet
- S3
- the API is a Pandas DataFrame
- standard and Open\*





https://github.com/awslabs/aws-data-wrangler



# Let's code!

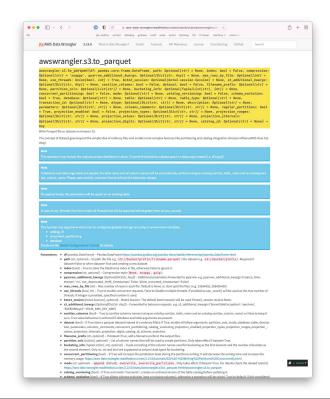
#### **Tenets Check**

- AWS Data Wrangler
  - AVRO/Parquet
  - S3
  - the API is a Pandas DataFrame
  - standard and Open\*

#### From Pandas...

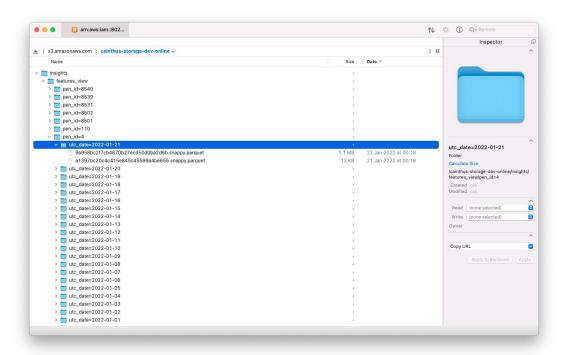


#### ...to ADW



# From 'pd' to 'wr'

#### **Partitions**



#### **AWS Glue?**

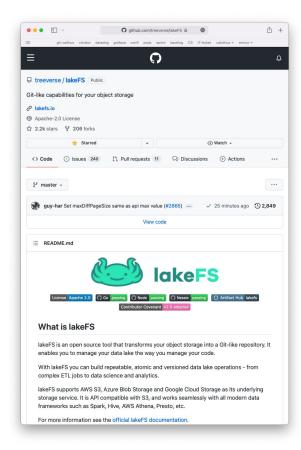
Maybe

But we don't need it now

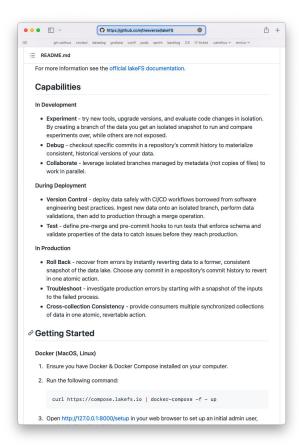
KISS 😙



# What's next...



https://github.com/treeverse/lakeFS



https://github.com/treeverse/lakeFS