



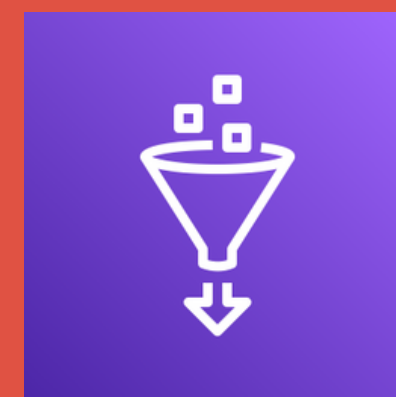
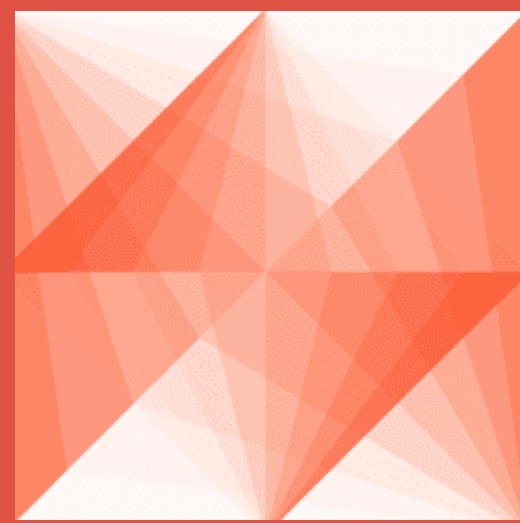
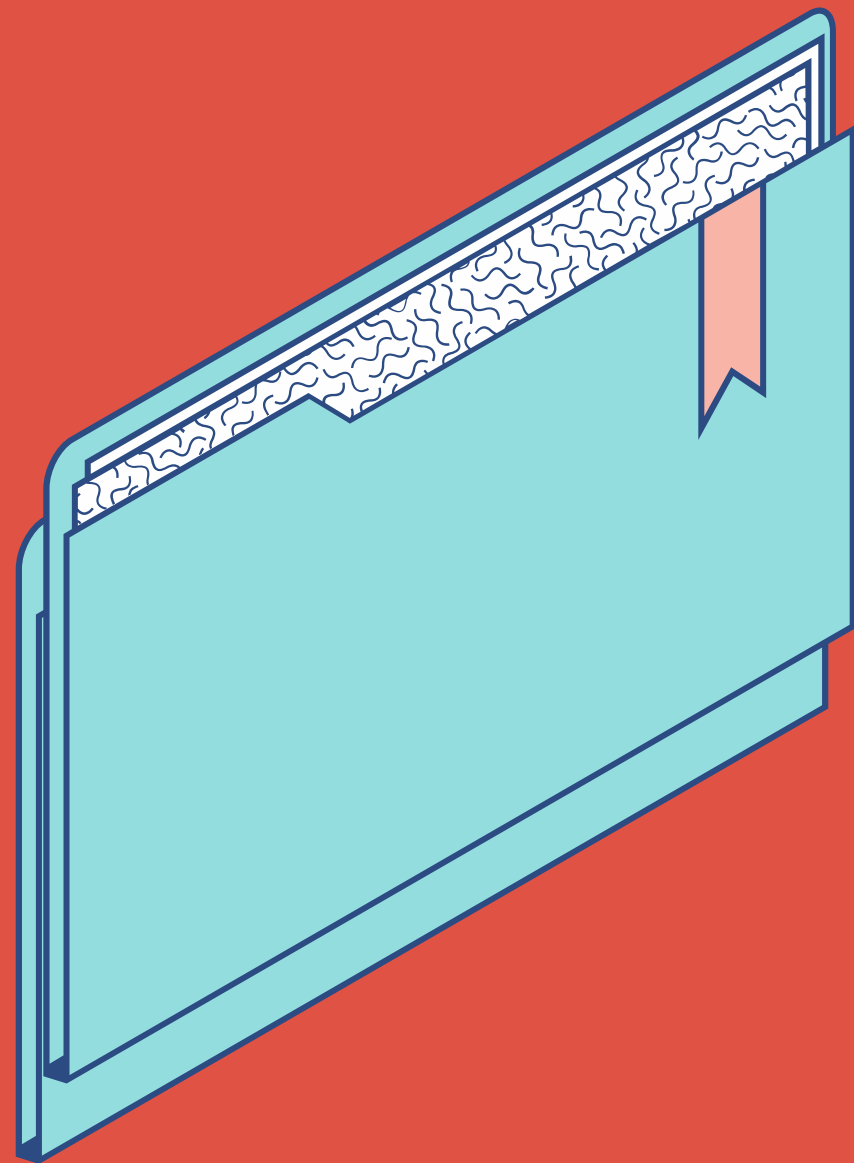
# Supercharge Athena - With AWS Wrangler

Querying Athena from AWS Wrangler

Made By  
Kamalraj M M

# Pre-Requisites

- Tables created in the Glue Tutorial along with the data in S3 bucket.
- Good understanding of the SQL join



# Athena - Beacon of Control

PSEUDOCODE



## Connecting and Querying Athena

1. What is Athena?
2. Querying with Athena using AWS Wrangler
3. Describing the Table create queries
4. Deleting Tables from Athena
5. Executing table joins from AWS Wrangler
6. Unloading the query results to the S3 bucket



# Athena Methods of Interest

0 - Creating and connecting to AWS Session

```
wr.athena.describe_table(boto3_session=your_session)
```

```
wr.athena.list_query_executions(boto3_session=your_session)
```

```
wr.athena.read_sql_query(sql='str',table='tbl_name',database  
='database name, boto3_session=your_session)
```

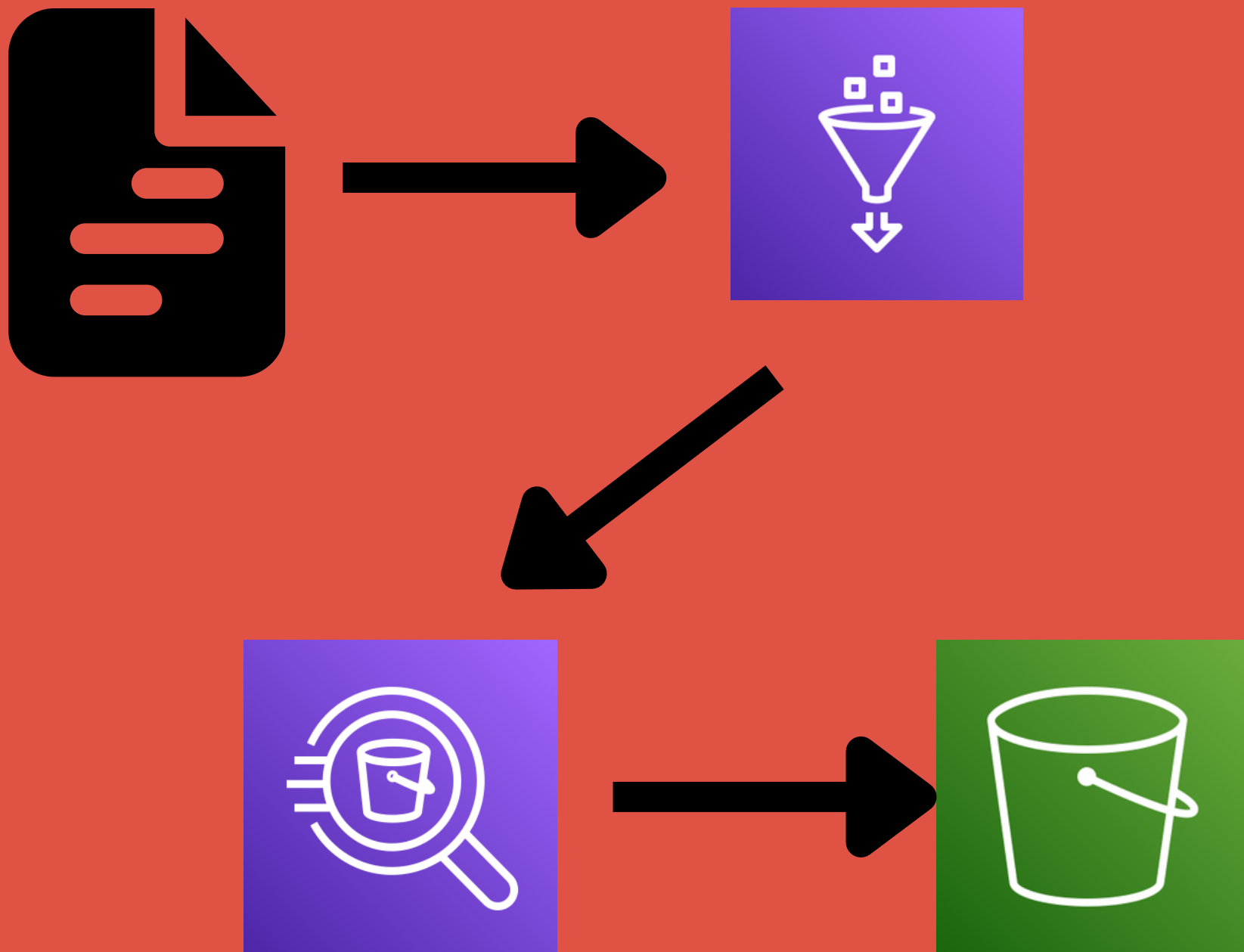
```
wr.athena.show_create_table(table='name',boto3_session=  
your_session)
```

```
wr.athena.describe_table(table='name',boto3_session=your_s  
ession)
```



# LIVE DEMO

SUPER CHARGING ATHENA



## Jupyter Notebook + AWS Wrangler Demo

1. Write pandas dataframe to S3 buckets and Glue catalog.
2. Write SQL Query and execute them on Athena
3. Execute the same query on AWS Wrangler on Jupyter notebook
4. Write a SQL join on dataset and unload data to S3 bucket