Create a WAU (Weekly Active User) chart from Preset or Docker Superset. Total 10 points

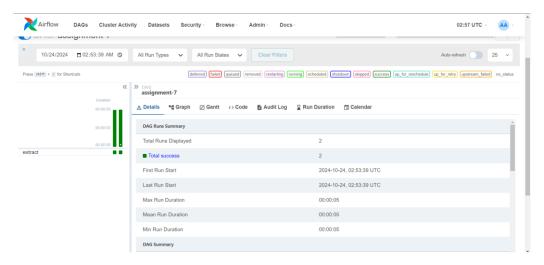
Import two tables in your SnowflakeLinks to an external site. as an ETL DAG in your Airflow (+3pt)

user_session_channel and session_timestamp (under raw_data schema or equivalent)

```
cur.execute("CREATE DATABASE IF NOT EXISTS dev;")
        cur.execute("USE DATABASE dev;")
        cur.execute("CREATE SCHEMA IF NOT EXISTS
dev.raw_data;")
        cur.execute("USE SCHEMA dev.raw_data;")
        # Create user_session_channel table
        cur.execute(
        CREATE TABLE IF NOT EXISTS
dev.raw_data.user_session_channel (
            userId int NOT NULL,
            sessionId varchar(32) PRIMARY KEY,
            channel varchar(32) DEFAULT 'direct'
        # Create session_timestamp table
        cur.execute(
        CREATE TABLE IF NOT EXISTS
dev.raw_data.session_timestamp (
           sessionId varchar(32) PRIMARY KEY,
            ts timestamp
```

```
)
        # Create stage for S3 data
        cur.execute(
            11 11 11
        CREATE OR REPLACE STAGE dev.raw_data.blob_stage
        url = 's3://s3-geospatial/readonly/'
        file_format = (type = csv, skip_header = 1,
field_optionally_enclosed_by = '"');
        11 11 11
        )
        # Copy data into user_session_channel table from
S3
        cur.execute(
            11 11 11
        COPY INTO dev.raw_data.user_session_channel
        FROM
@dev.raw_data.blob_stage/user_session_channel.csv;
        11 11 11
        )
        # Copy data into session_timestamp table from S3
        cur.execute(
        COPY INTO dev.raw_data.session_timestamp
        FROM
@dev.raw_data.blob_stage/session_timestamp.csv;
```

Capture the screenshot of this DAG's detailed page from the Web UI (#1)



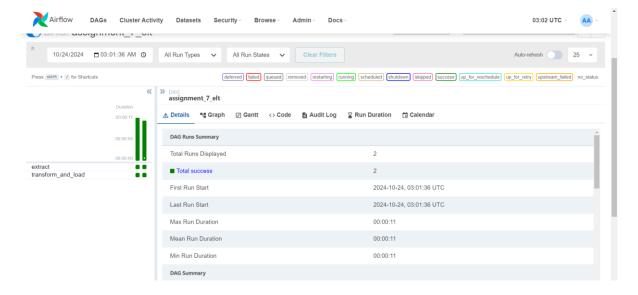
Create a ELT DAG in your Airflow to create a JOINED table of the two (+3pt) session_summary (under analytics)

Extra point: add one more condition to check duplicate records (+1pt)

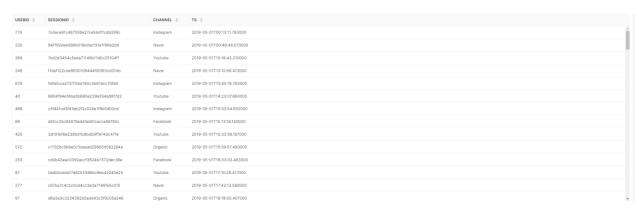
```
try:
        cur = return_snowflake_conn()
        # Create analytics schema if it doesn't exist
        cur.execute("CREATE SCHEMA IF NOT EXISTS
dev.analytics;")
        cur.execute("USE SCHEMA dev.analytics;")
        # Create session_summary table with data joined
from user_session_channel and session_timestamp
        cur.execute(
        CREATE TABLE IF NOT EXISTS
dev.analytics.session_summary AS
        SELECT
            u.userId,
            u.sessionId,
            u.channel,
            s.ts
        FROM
            dev.raw_data.user_session_channel u
```

```
JOIN
            dev.raw_data.session_timestamp s
            u.sessionId = s.sessionId;
        )
        # Remove duplicates from session_summary based on
sessionId
        cur.execute(
            11 11 11
        DELETE FROM dev.analytics.session_summary
        WHERE sessionId IN (
            SELECT sessionId
            FROM (
                SELECT sessionId, COUNT(*) AS cnt
                FROM dev.analytics.session_summary
                GROUP BY sessionId
                HAVING cnt > 1
```

Capture the screenshot of this DAG's detailed page from the Web UI (#2)



Set up your Preset account or Docker Superset environmentLinks to an external site. (+2pt)
This includes setting up Snowflake connection and import session_summary from step 2
Capture the screenshot of your Datasets (#3)



Create your WAU chart (+2pt)

Make sure you rename the metrics field to WAU

Capture the screenshot of the chart (#4)

