Data Classification

In this experiment, we will learn to use Snowflake's privacy recommendations function.

1. Create a sample data and table with ID, Social Security number, Age and Credit Card

USE ROLE ACCOUNTADMIN;

```
CREATE OR REPLACE DATABASE SNOWTEST;
CREATE OR REPLACE SCHEMA SNOWTEST.DATA_CLASS;
CREATE OR REPLACE TABLE SNOWTEST.DATA_CLASS.SAMPLE_DATA_TBL(
    ID VARCHAR(10)
    , SSN VARCHAR(11)
    , AGE NUMERIC
    , CREDIT_CARD VARCHAR(19)
);
```

2. Let's enter some fake sensitive data

INSERT INTO SNOWTEST.DATA_CLASS.SAMPLE_DATA_TBL VALUES ('A0000001','234-45-6477',24,'4053-0495-0394-0494'); INSERT INTO SNOWTEST.DATA_CLASS.SAMPLE_DATA_TBL VALUES ('A0000002','234-85-6477',24,'4653-0495-0394-0494'); INSERT INTO SNOWTEST.DATA_CLASS.SAMPLE_DATA_TBL VALUES ('A0000003','235-45-6477',24,'4053-0755-0394-0494');

3. Looking at the table values

SELECT*

FROM SNOWTEST.DATA_CLASS.SAMPLE_DATA_TBL;

4. Run EXTRACT_SEMANTIC_CATEGORIES to analyze the columns in the table

SELECT

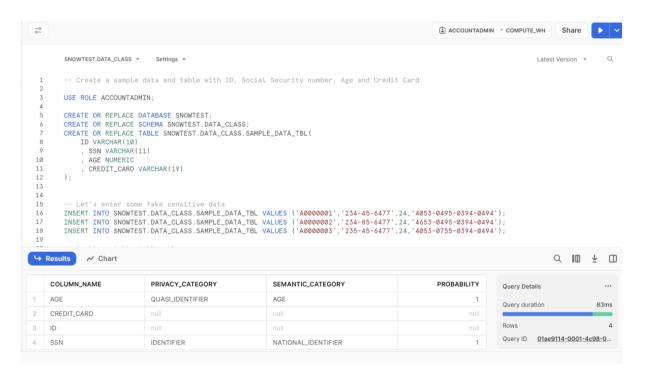
EXTRACT_SEMANTIC_CATEGORIES('SNOWTEST.DATA_CLASS.SAMPLE_DAT A TBL');

5. The results will be in JSON format. We can flatten to analysis the recommendations

CREATE OR REPLACE TABLE SNOWTEST.DATA_CLASS.CLASSIFICATIONS AS

6. We can then use this table to review the recommendation and create object tags accordingly

SELECT * FROM SNOWTEST.DATA_CLASS.CLASSIFICATIONS;



7. Clear Resources

DROP DATABASE SNOWTEST;