PROC SQL Versus PROC FEDSQL

PROC SQL

SAS SQL Implementation

Follows ANSI Standard 2

SAS **Numeric** and **Character** Data Types

Session and **Table** Information Using DICTIONARIES

Multi-threaded for **Sorting** and **Indexing** on the SAS Platform

Many Non-ANSI Standard **SAS Enhancements**

Does **Not** Execute in CAS (SAS Viya)

When Would I Use PROC SQL or PROC FEDSQL?

- Want to use ALL **SAS enhancements** and **functions**?
- Performance is satisfactory using **single-threaded** processing?
- Working with SAS tables in **concatenated** libraries?
- Want SAS **session** or **table** information?
- Want to create **SAS macro variables** with a query?
- Want the **SAS/ACCESS interface** to convert PROC SQL to native DBMS SQL?
- Want to **push** as much processing as possible into the **DBMS**?
- Want to work with **ANSI data types**?
- Want **enhanced** DBMS table information?
- Need the performance of **fully multi-threaded** processing?
- Want to execute SQL **inside CAS**?

PROC FEDSQL

Vendor-**Neutral** ANSI SQL 3

ANSI SQL 3 **Compliant**

Processes **17** ANSI Data Types

Enhanced DBMS Table Information Using DICTIONARIES

Fully Multi-threaded on the SAS Platform

Very **Few** Non-ANSI SAS Enhancements

Executes in CAS (SAS Viya)