

**PROC Step always starts with keyword proc and end with run/quit statement.**

**PROC steps** are typically used to process SAS data sets

(That is generating reports and graphs, edit data, and sort data, analyze the data...etc).

## Types of Procedures

**DATA ACCESS PROCEDURES – Performs data extraction.**

- ✦ SQL PASS THRU QUERY(Proc SQL)
- ✦ Proc Access
- ✦ Proc DBLOAD
- ✦ Libname Facility
- ✦ Proc Import
- ✦ Proc Export

**UTILITY PROCEDURES – Performs data manipulation.**

- ✦ Proc Contents
- ✦ Proc Setinit
- ✦ Proc Options
- ✦ Proc Pwencode
- ✦ Proc Copy
- ✦ Proc Delete
- ✦ Proc Sort
- ✦ Proc Compare
- ✦ Proc Append
- ✦ Proc Datasets
- ✦ Proc Format
- ✦ Proc Rank
- ✦ Proc Transpose
- ✦ Proc Template
- ✦ Proc Forms
- ✦ Proc Catalog
- ✦ Proc Import
- ✦ Proc Export
- ✦ Proc Cport
- ✦ Proc Cimport
- ✦ Proc Upload
- ✦ Proc Download
- ✦ Proc Migrate

**STATISTICAL PROCEDURES – Performs data analysis.**

- ✦ Proc Means
- ✦ Proc Summary
- ✦ Proc Univariante
- ✦ Proc Freq
- ✦ Proc Corr
- ✦ Proc Reg
- ✦ Proc Anova
- ✦ Proc GLM
- ✦ Proc Lifetest
- ✦ Proc LifeReg
- ✦ Proc Logistics
- ✦ Proc NPAR1WAY
- ✦ Proc TTest

**REPORTING PROCEDURES – Performs data reporting.**

- ✦ Proc Print
- ✦ Proc Tabulate
- ✦ Proc Report
- ✦ Data step Reporting(\_Null\_ Reporting)

**GRAPHICAL PROCEDURES** – Performs data reporting with graphs.

- ✦ Proc Gchart
- ✦ Proc Gplot
- ✦ Proc SGplot
- ✦ Proc GIS
- ✦ Proc Gmap