SAS-Intro. - DATA & PROZ Steps.

SAS - Statistical Analysis System - SAS Intitute.

SAS > Mine data

Retrive data from different sources.

Manage data

Perfem Statistical analysis on it

Types

Bair procedures & Data Management > Boxe SAS >

Statistical Arrhysis Stat SAS -

Graph SAS - Graphics & presentation

OR SAS > Operational Research

IML SAS > Interactive Matrix language

AF SAS > Application facility

QC SAS - Quality Control

INSIGHT SAS > Data Mining

clinical trial Analysis - PH SAS -

Data mining -> Enterprise Miker >

Enterprise gide > GUI code chitor q project manager

-> EBI SAS -> BI application.

Grid Manager SAS > SAS Grid Computing

Set of rolutions for Enterprise for below whes.

- Data entry, hetrival, management
- -> Report writing & graphics.
- -> Statistical & Mathematical analysis
- -> Business planing, forecasting, decision support.
- -> Operational research & project management Tools.
- -> Quality Development.
- -> Application development.

3 Data step - programming language used to manipulate & Manage data.

3 SAS provedure - Software Took for analysis & Reporting.

Mauro Jacistry & for heading the data.

Data Step debugger > Find logical runas in Data Step.

ODS = Output delivery System -> Op > HTML

SAS window environment -> GUI for SAS programs.

Data processing

SAS DATA

SQL DATA

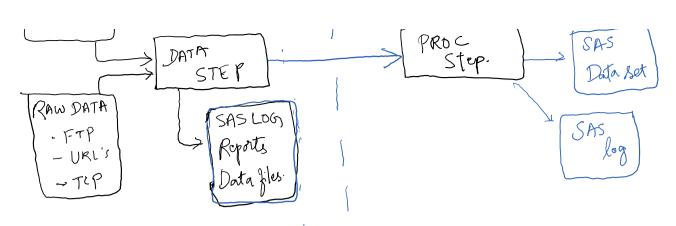
DATA

CTEP

PROC

Step.

Data Set



SAS processing is the way SAS Reads & Transforms data to give output of our shoice. There are 2 steps in the s Data step & proc step.

Data Map = Data step manipulates data.

Proc step > Analyse, produce % & manage SAS giles.

Data step. -> You write the procedure for what you want.

-> Processing happons one line at a time

-> Tries to minic hurran John of approach.

PROC Step > You will got the end foult.

-> Non- Procedural approach -> We just give The haquisament -> SQL retries data in the most efficient marrel.

DATA Step & Proc step

- 1) Muliple data sets: Data step allow to breate Multiple data sets in one Single step. PROK Pregines several Select clauses to create multiple data sets
- 2) Reading data: Data step can be used to read data.

 PROL SQL Cannot read text files.

PROL SQL Cannot head text file.

- 3) Control: Data step has better control. Compared to proc steps.
- 4) Joining tables: Select Proc table -> Automatic joins large tables with small tables.
- 5) Quening dictionary table ! PROC step.