SAS Studio and Flows in SAS Viya

Cross Topics network meeting in Kristiansand
The 7 of March

Pia Skare Rønnevik, Customer Success Manager, FANS
Email: pia.roennevik@sas.com

SAS Studio

For everyone

Who:

Data engineers/ETL developers
Analysts
Business Intelligence Analysts
Customer Intelligence Analysts
Data scientists
……

Modes of work:

- Nod code
- Low code
- Own code

Some benefits of No code/Low code approach:

- Fast build – save time to insights (time is money)
- Easy to use – tasks and flow steps
- Standardization – mostly autogenerated code

SAS Viya

SAS Platform

SAS Viya
- an open, cloud-enabled, analytic run-time environment

SAS Cloud Analytic Services (CAS)

in-memory engine

fast processing

data of any size

SAS vs CAS?

- You can run your existing SAS 9 programs on SAS Viya platform without changes!
- You won't lose anything, but you won't win either!

- You can change your existing SAS 9 programs so that they can run in CAS and not in SAS.
- You take advantage of multi-threading and parallel processing => You can win a lot!

Session versus Global

Session-Scope

Local=YES

visible to the CAS session where it was created

deleted upon termination of CAS

Global-Scope

Local=NO

visible across CAS sessions

not deleted upon termination of CAS

Session versus Global

Session-Scope

default → Promote=NO

visible only to the CAS session where it was created

visible only to the user who created the table

dropped from memory upon termination of CAS

Global-Scope

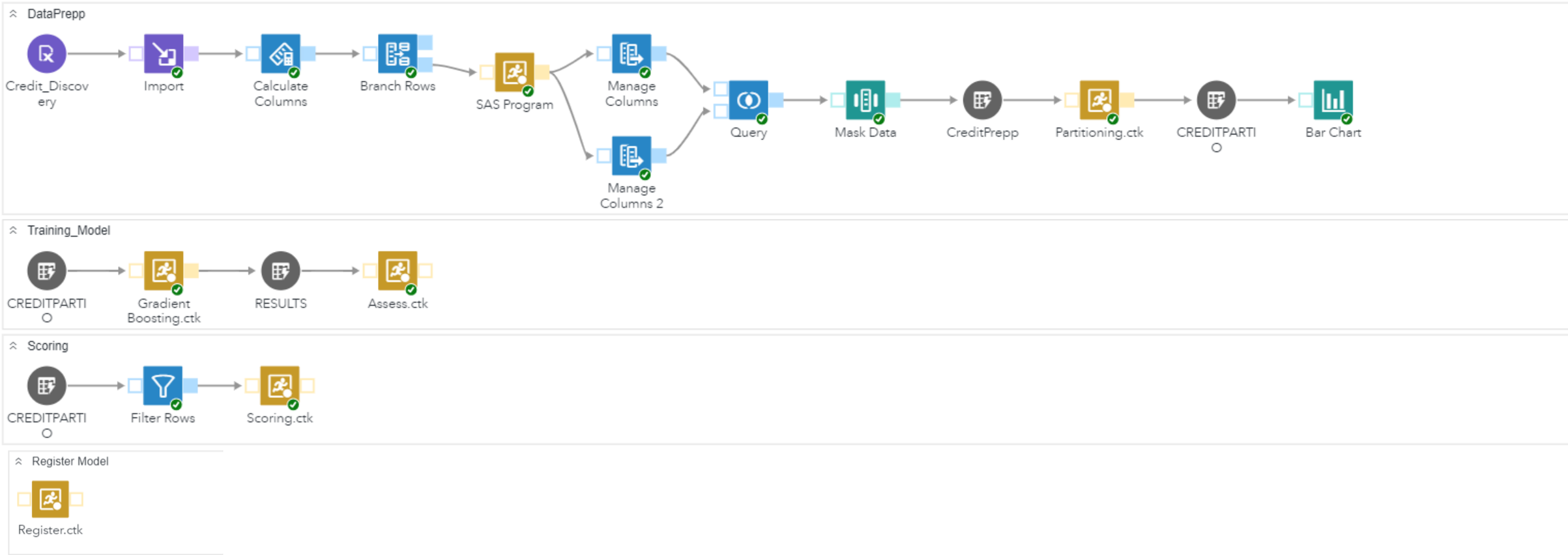
promoted table ← Promote=YES

visible across CAS sessions

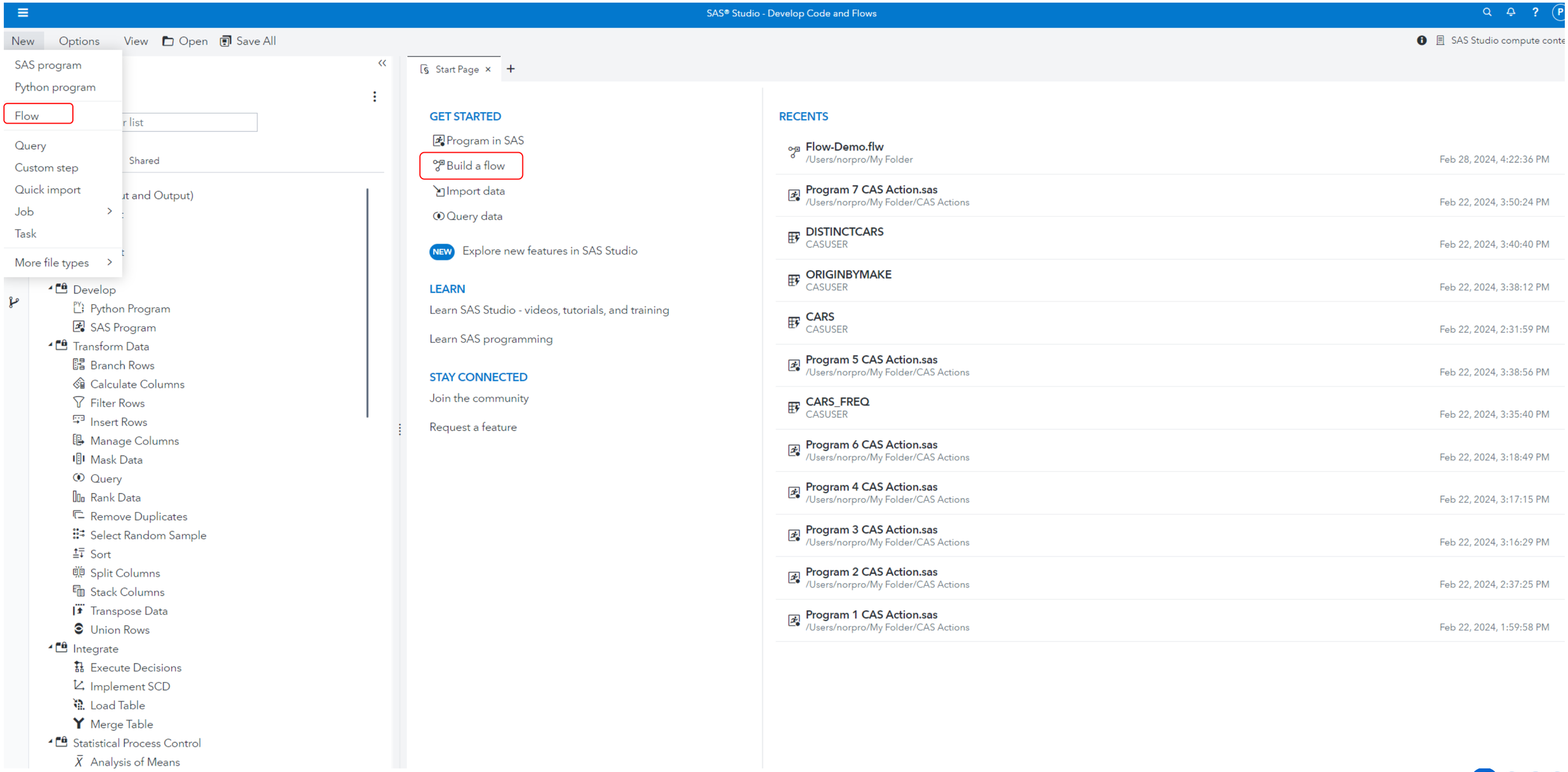
visible to any user who can access the global-scope caslib

not dropped from memory upon termination of CAS

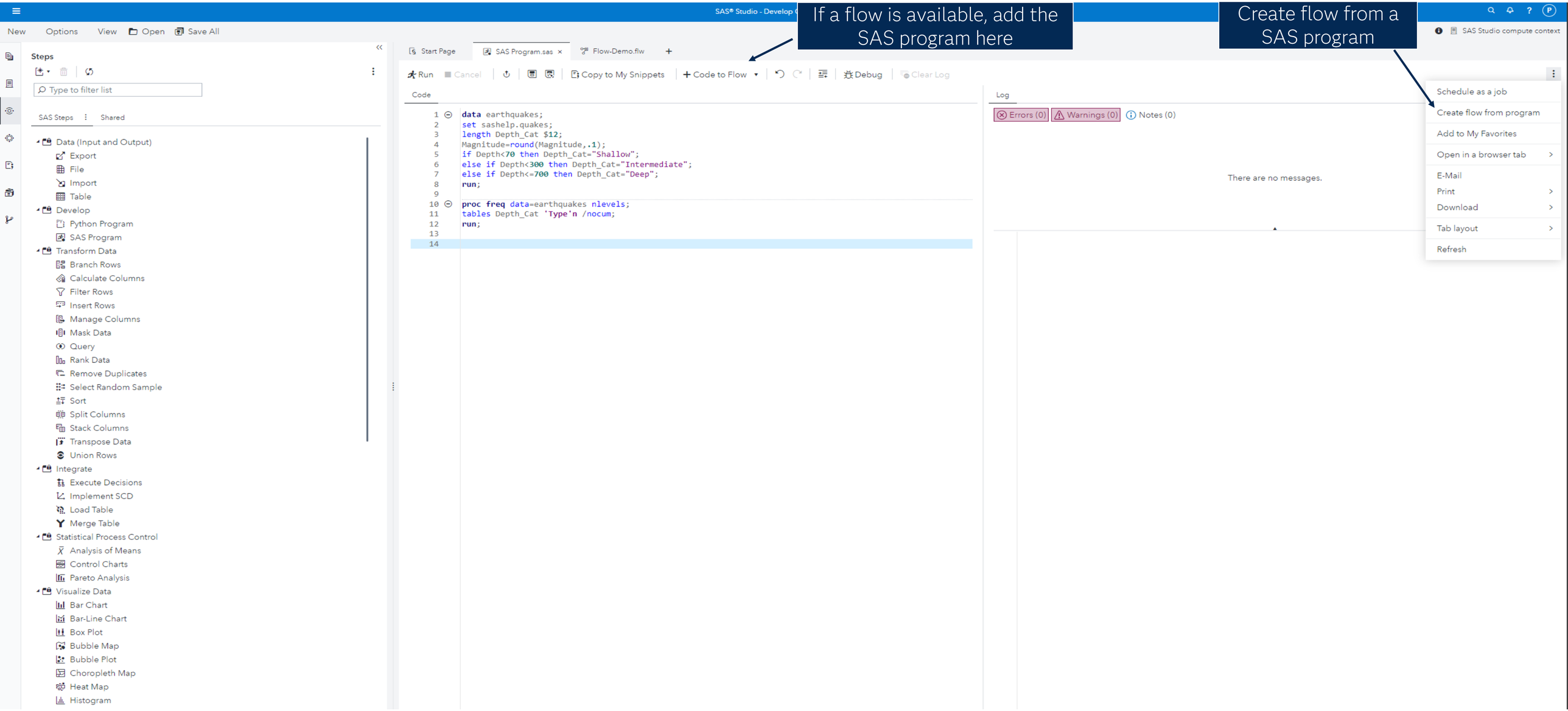
SAS Studio - flows

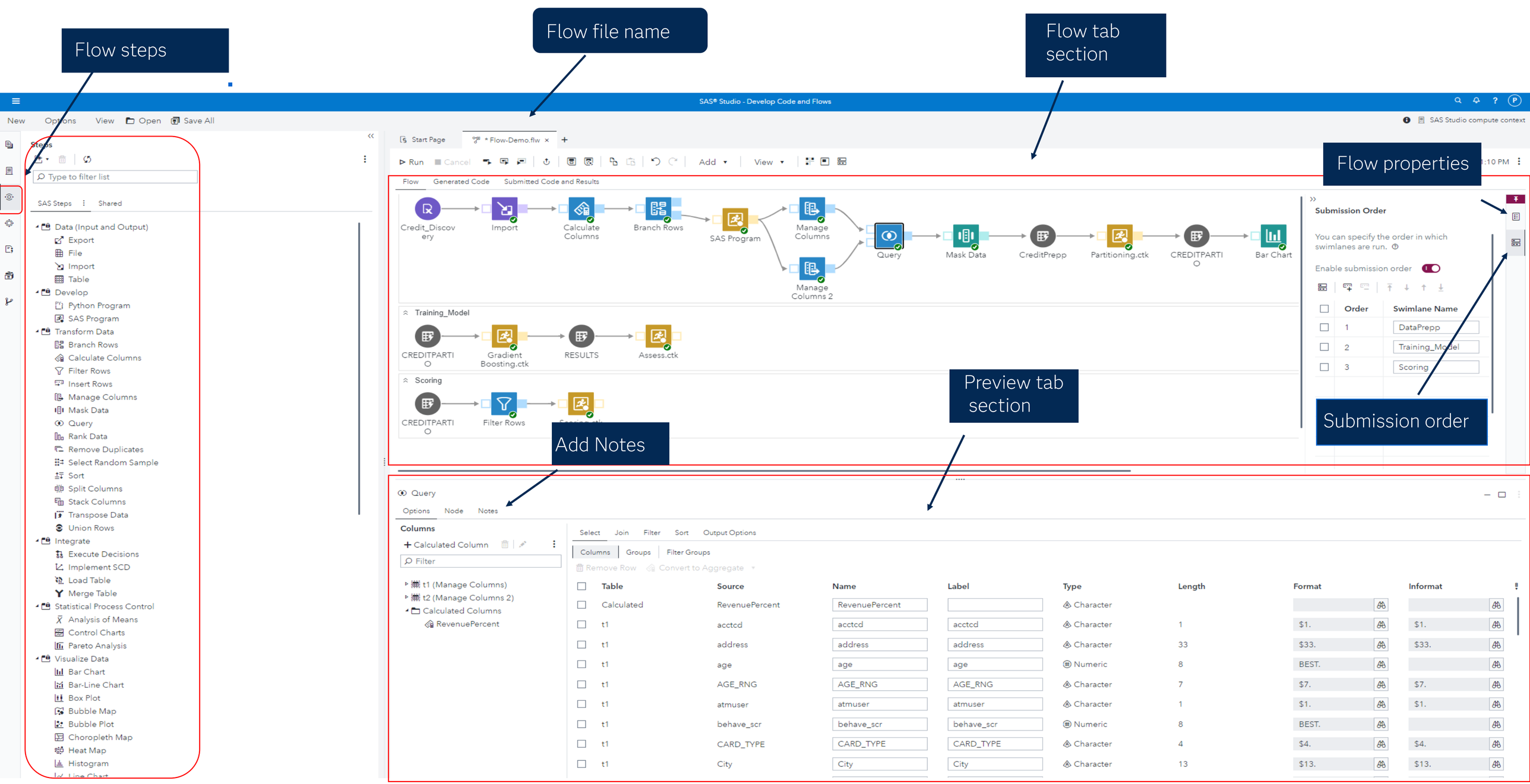


Create a flow

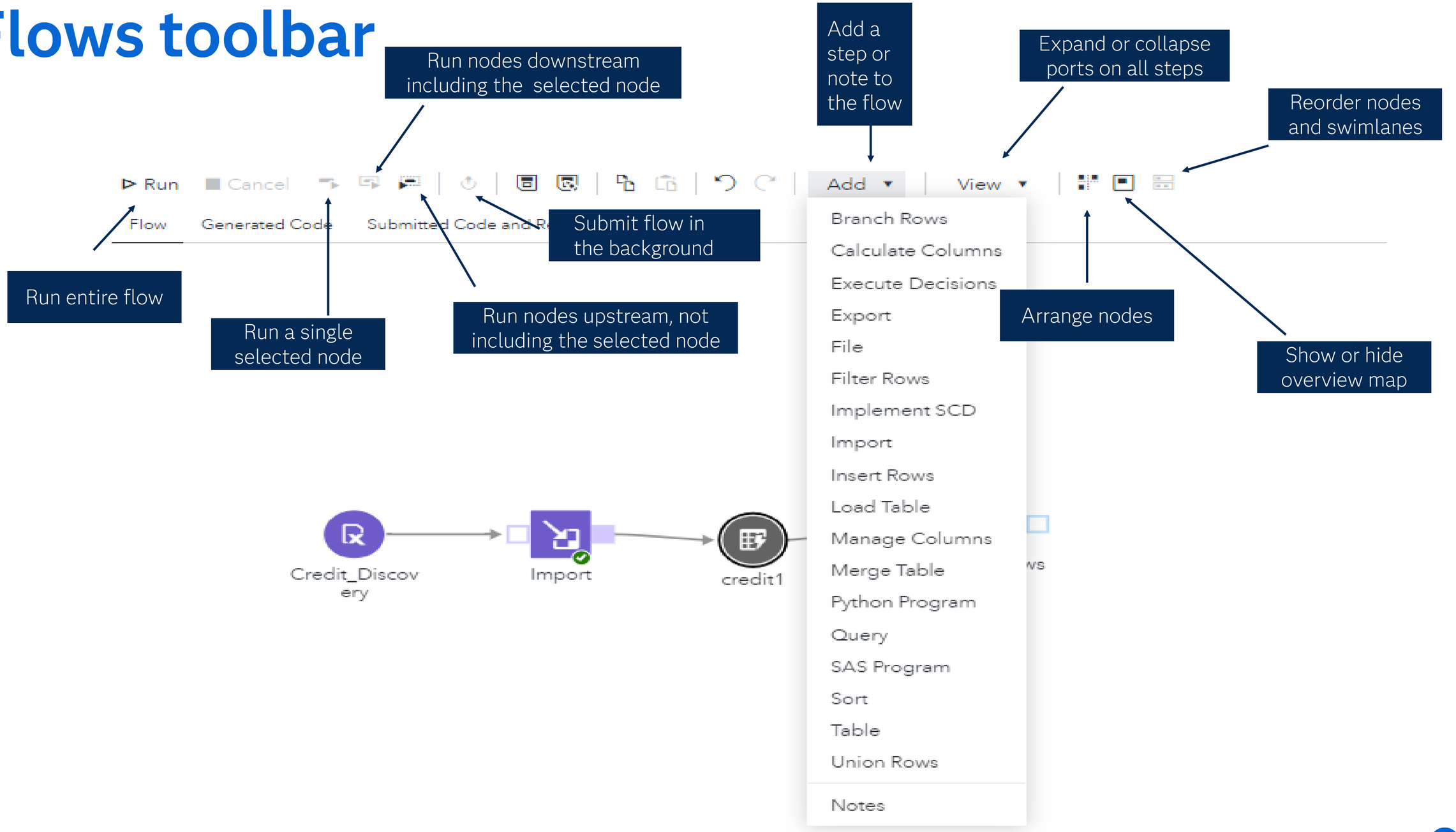


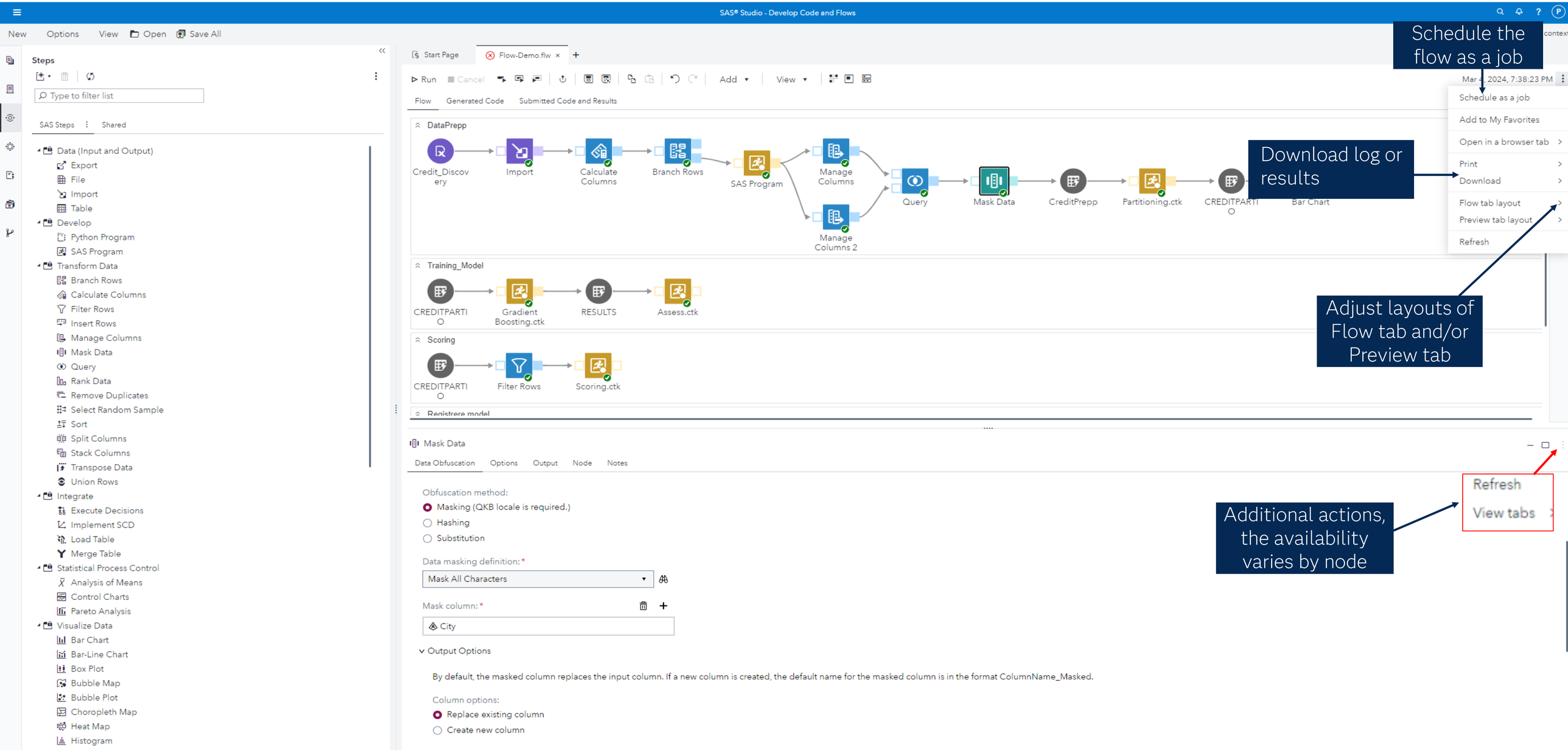
Create flow from a SAS program



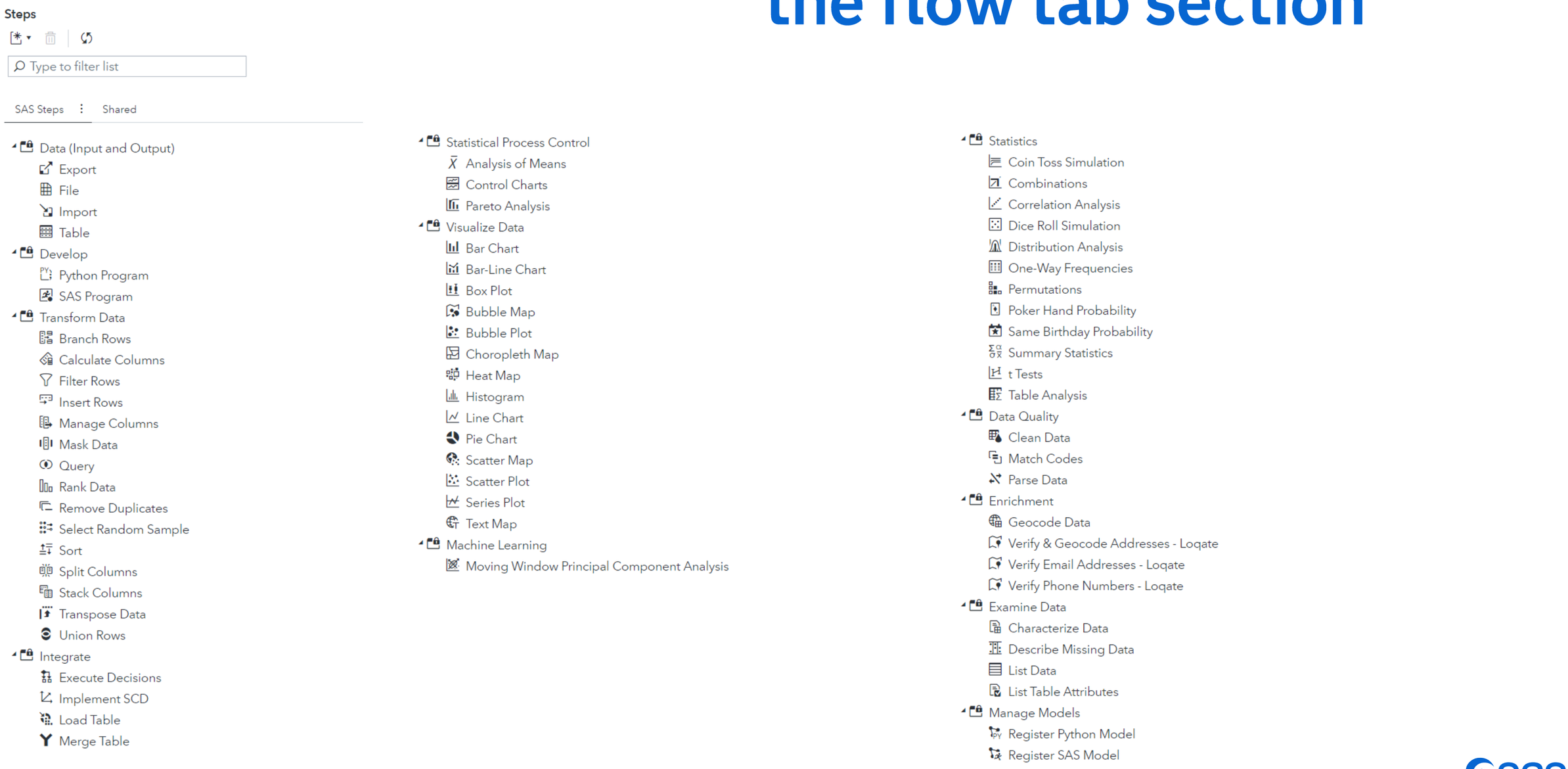


Flows toolbar

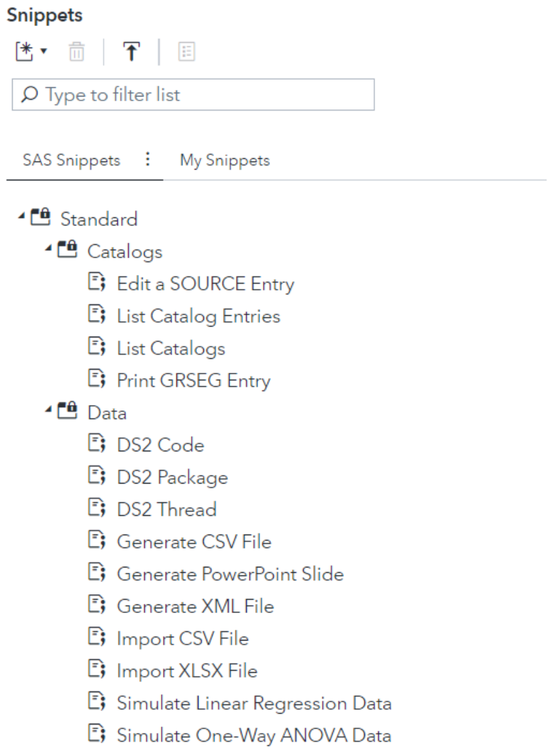


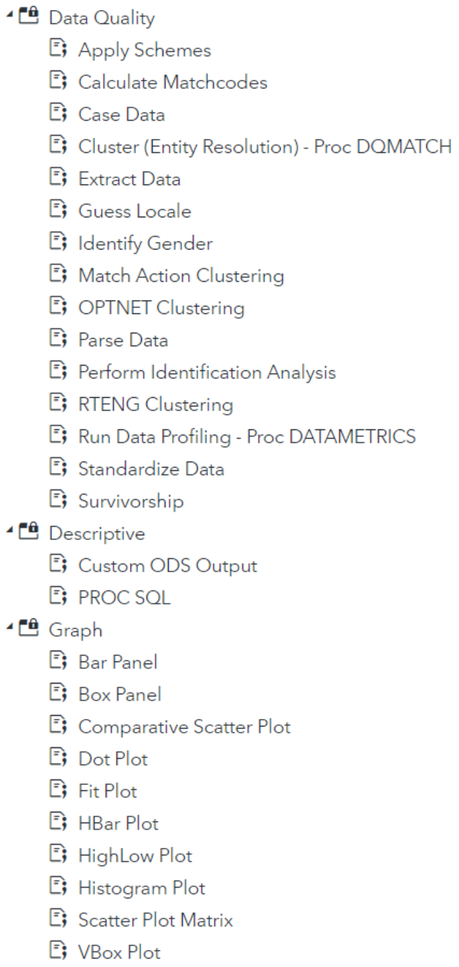


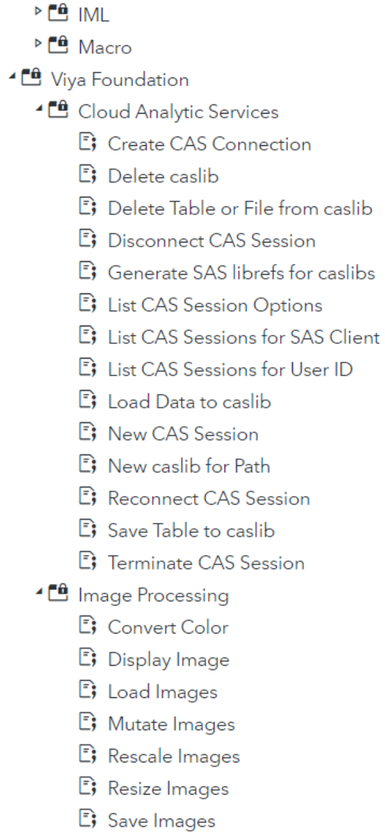
SAS steps to put in a flow – just drag steps into the flow tab section

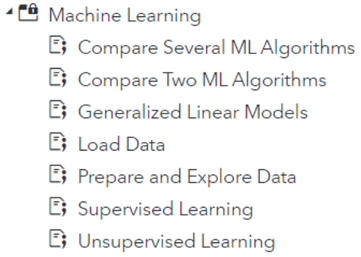


SAS Snippets to put in a flow – just right click and add

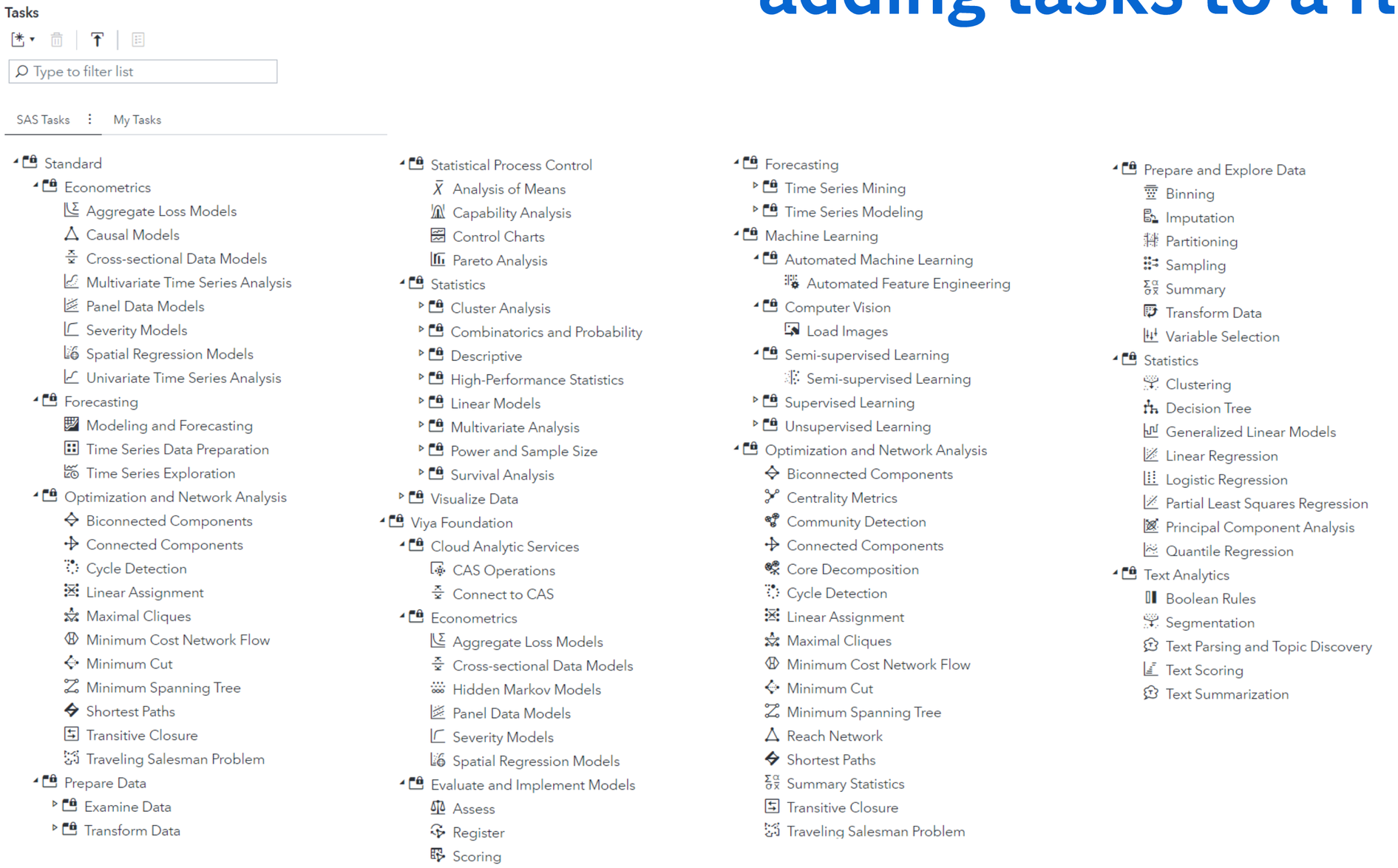








Task to put in a flow – fill in information before adding tasks to a flow



The demo-data

- A data set from a credit company, where over 40% of customer accounts can be written off.
- If the company does nothing, they could lose over $240 million.
- The dataset consists of 44 columns and 10,000 rows.