

# DQ Monitoring Dashboard

## Prepare Demo on Training Virtuallab

To ensure that DQ Dashboard demo works as desired follow the steps below to load the data into memory and to run the Studio Flows to load the DQ Dashboard tables.

1. Fork the following repository: <https://github.com/paulvanmol/dqdashboard.git> to your personal git account
2. Clone the Repository from SAS Studio  
Create a new empty folder dqdashboard:  
Create a new git profile:

**Clone a Repository**

Repository:

https://github.com/paulvanmol/dqdashboard.git

https://github.com/example/repo.git

git@bitbucket.org/example/repo.git

Server location:

/gelcontent/dqdashboard

Profile:

paulvanmol

Clone

Cancel

3. Download the required files from the dqdashboard folder:
  - a. Packages/DQDashboard.json package from SAS Studio to your Downloads folder.
  - b. Data/ADDRESS.xlsx, PERSON.xlsx, DQ\_SCORE\_HIST\_RAW.xlsx
4. Import DQDashboard.json package in SAS Environment Manager
  - a. Login as sasadm + Inxsas to have administrative privileges:
  - b. Select Manage Environment:
  - c. Select Import tab
  - d. Import the DQDashboardPublic.json
  - e. Map the Target Server to cas-shared-default, Map the Target Library PUBLIC, WORK CAS Library to the Public CAS Library:

Import Mapping Sets

Import

Source Mapping Preview Results

**Mapping**

Content Users and Groups **Tables** Data Resources Other Mapping set: System default ? Save As

Source	Target Server	Target Library	Target Table	Exists
cas-shared-default	cas-shared-default			✓
Public		Public		✓
DQ_DASHBOARD_DATA	cas-shared-default	Public	DQ_DASHBOARD_DA	✗
DQ_DASHBOARD_OV	cas-shared-default	Public	DQ_DASHBOARD_Ov	✗
DQ_SCORE_HIST	cas-shared-default	Public	DQ_SCORE_HIST	✗
60842400-32a5-4e4e-a1c9-391ec02...	Compute			?
PUBLIC		PUBLIC		?

f. Other tables should map to Compute, Public and WORK libraries:

Source Mapping Preview Results

**Mapping**

Content Users and Groups **Tables** Data Resources Other Mapping set: System default ? Save As

Source	Target Server	Target Library	Target Table	Exists
60842400-32a5-4e4e-a1c9-391ec02...	Compute			?
PUBLIC		PUBLIC		?
PERSON	Compute	PUBLIC	PERSON	?
ADDRESS	Compute	PUBLIC	ADDRESS	?
DQ_DASHBOARD_OV	Compute	PUBLIC	DQ_DASHBOARD_Ov	?
DQ_SCORE_HIST_RAW	Compute	PUBLIC	DQ_SCORE_HIST_RAW	?
WORK		WORK		?

g. Check if Import is successful:

Source Mapping Preview Results

**Results**

✓ Import job has completed

Total time to import DQDashboardPublic.json: 0:00:19 View log

☐ Show column abbreviations

Object Type	Count	✓ Compl...	⚠ Warnin...	✗ Errors	❗ Failed	⏸ Skipped	⏹ Stopped
Folder (13)	13	13	0	0	0	0	0
Flow (3)	3	3	0	0	0	0	0

Count: 10

Upload the data to SAS Studio Explorer:

Upload the data of the dqdashboard repository to the home directory of the student:

- Either by doing a Git Clone in SAS Studio to the /gelcontent/dqdashboard folder
- Or by using the upload Button in the Explorer:

nsViewOpen

↑

⋮

or Shortcuts

Shortcut to My Folder

ome

1 Courses

> dcon

> dmvw

> dqdashboard

data

ADDRESS.xlsx

data.zip

DQ\_DASHBOAR

DQ\_DASHBOAR

DQ\_SCORE\_HIST

DQ\_SCORE\_HIST

Files

Home

Courses

dcon

dmvw

dqdashboard

data

ADDRESS.xlsx

data.zip

DQ\_DASHBOARD\_D...

DQ\_DASHBOARD\_...

DQ\_SCORE\_HIST\_R...

DQ\_SCORE\_HIST.xlsx

PERSON.xlsx

Upload Files

Size limit for each selected file is 100 MB.

Upload to: /home/student/Courses/dqdashboard

Attachments (6)

PERSON.xlsx

3.1 MB

⋮

DQ\_SCORE\_HIST\_RAW.xlsx

6.2 KB

⋮

DQ\_SCORE\_HIST.xlsx

6.2 KB

⋮

DQ\_DASHBOARD\_OV.xlsx

6 KB

⋮

DQ\_DASHBOARD\_DATA.xlsx

1.3 MB

⋮

ADDRESS.xlsx

2.2 MB

⋮

## Go to SAS Studio (Develop Code and Flows)

### 1.1. Go to location: SAS Content/GTTPub/Data Management/DQ Dashboard/SAS Programs

### 1.2. Open and run SAS job: Load tables into memory.sas

```
cas casauto;
%let outcaslib=PUBLIC;
%let incaslib=GTTPUB;
%let path=/gelcontent/dqdashboard;

proc cas;
  session casauto;
table.dropcaslib /caslib="&incaslib" quiet=true;
table.addCaslib /
  caslib="&incaslib"
  description="Monitor data"
  dataSource={srctype="path"}
  path="&path/data";

  table.dropTable /
    caslib= "&outcaslib",
    name= "ADDRESS",
    quiet= True;
run;
table.loadTable /
  caslib= "&incaslib",
  path="ADDRESS.xlsx",
  casout={
    caslib="&outcaslib",
    promote= True
  };
run;
table.dropTable /
  caslib= "&outcaslib",
  name= "PERSON",
  quiet= True;
run;
table.loadTable /
  caslib= "&incaslib",
  path="PERSON.xlsx",
  casout={
    caslib="&outcaslib",
    promote= True
  };
run;
table.dropTable /
  caslib= "&outcaslib"
  name= "DQ_SCORE_HIST_RAW",
  quiet= True;
run;
table.loadTable /
  caslib= "&incaslib",
  path="DQ_SCORE_HIST_RAW.xlsx",
```

```
        casout={
            caslib="&outcaslib",
            promote= True
        };
    run;
quit;
```

1.3. Go to location: SAS Content/Public/Data Management/DQ Dashboard/Dashboard Flows

1.4. Open and run flows:

- Monitor\_Person.flw
- Monitor\_Address.flw
- Write\_Dashboard\_Tables.flw

2. Go to SAS Drive (Share and Collaborate)

2.1. Open Dashboard: DQ Dashboard in location: SAS Content/Public/Data Management/DQ Dashboard/Dashboard to ensure the Dashboard data got generated correctly.