

Welcome to SOSICIP CLAaaS Cloud-based Analytics-as-a-Service platform

Welcome guest!

Existing users, please enter your credentials to log in.
For new subscription go to [New subscription](#).

Username

Password [Modify](#)

Login

SLA Types for User Groups, Tool Groups, QoS

4/14/2014

SLA Types

	Description	Max. Concurrent Users	Max. Concurrent Virtual Machines	Max. Data Size (GB)	OLTP sladetailsp. Time (ms)	OLAP Resp. Time (ms)	Availability
<input checked="" type="radio"/>	Best quality with all roles and maximum number of users	50	5	10	1	5	99
<input type="radio"/>	Fewer users for all roles, moderate QoS	40	3	6	2	8	97
<input type="radio"/>	Only data scientists, operators and query users with high QoS	30	4	8	1	5	99
<input type="radio"/>	Only data scientists, operators and query users with moderate QoS	20	2	5	2	8	95
<input type="radio"/>	Only admin, management and query users with high QoS	25	4	6	1	5	99
<input type="radio"/>	Only admin, management and query users with moderate QoS	20	3	4	2	8	95
<input type="radio"/>	Only data scientist, data operator and domain expert with high QoS	15	4	8	1	5	99
<input type="radio"/>	Only data scientist, data operator and domain expert with moderate QoS	10	3	6	2	8	95
<input type="radio"/>	Only query users with high QoS	20	3	6	1	5	99
<input type="radio"/>	Only query users with moderate QoS	15	2	4	2	8	95
<input type="radio"/>	Test account all roles and maximum two users per role with moderate QoS	3	2	1	2	8	95
<input type="radio"/>	Single user account all roles with high QoS	1	5	5	2	3	98

Available Tools:	User Mix
IBM InfoSphere Stream IBM SPSS Modeler 15.0 Cognos Xpress IBM Blginsights Weka	Guest Data_opr Data_sc Dom_exp Dom_prac

Close

Service Level Agreement Registration

Note: Fields marked with (*) are mandatory

Service Level Agreement

Customer Type *	<input checked="" type="radio"/> Individual <input type="radio"/> Organized Group <input type="radio"/> Registered Corporation
SLA Type * (Details)	<input type="radio"/> 0 - Best quality with all roles and maximum number of users <input type="radio"/> 1 - Fewer users for all roles, moderate QoS <input type="radio"/> 2 - Only data scientists, operators and query users with high QoS <input type="radio"/> 3 - Only data scientists, operators and query users with moderate QoS <input type="radio"/> 4 - Only admin, management and query users with high QoS <input type="radio"/> 5 - Only admin, management and query users with moderate QoS <input type="radio"/> 6 - Only data scientist, data operator and domain expert with high QoS <input type="radio"/> 7 - Only data scientist, data operator and domain expert with moderate QoS <input type="radio"/> 8 - Only query users with high QoS <input type="radio"/> 9 - Only query users with moderate QoS <input type="radio"/> 10 - Test account all roles and maximum two users per role with moderate QoS <input checked="" type="radio"/> 11 - Single user account all roles with high QoS
Data Domain	<input checked="" type="radio"/> General <input type="radio"/> Medical <input type="radio"/> Geographical <input type="radio"/> Terrestrial <input type="radio"/> Spatial <input type="radio"/> Financial
Contract Start Date (YYYY-MM-DD)	<input type="text" value="2014-04-14"/>
Contract End Date (YYYY-MM-DD)	<input type="text" value="2014-05-14"/>

Corporate/Group Information

Company/Group Name	<input type="text"/>
Branch/Division Name	<input type="text"/>

Types of Operations	<input type="text"/>
Description	<input type="text"/>
Corporate/Group Contact Information	
Website	<input type="text" value="http://mybusiness.com"/>
Phone	<input type="text"/>
Fax	<input type="text"/>
Corporate/Group Postal Address	
Street No.	<input type="text"/>
City	<input type="text"/>
State	<input type="text"/>
Country	<input type="text"/>
Postal Code	<input type="text"/>

Signing Authority

Title	<input type="text"/>
First Name *	<input type="text"/>
Last Name *	<input type="text"/>
User ID *	<input type="text"/>
Password *	<input type="text"/>
Employee ID	<input type="text"/>
Designation	<input type="text"/>
Contact Information	
Email *	<input type="text" value="username@domain.com"/>
Work Phone *	<input type="text"/>
Cell Phone	<input type="text"/>
Home Phone	<input type="text"/>
Fax	<input type="text"/>
Postal Address	
Street No. *	<input type="text"/>
City *	<input type="text"/>
State *	<input type="text"/>
Country *	<input type="text"/>
Postal Code *	<input type="text"/>

Submit

Analytics-as-a-Service Manager

Welcome
Patrick
Martin



Admin



Administration

Data Management



Data Definition and
Uploading



Workflow Components



Workflow Component
Management



Workflow Management



Workflow Management



Query Results



Query Analytics Results



Social
Network/Collaboration



Social Network and
Collaboration

Admin Operations



[Change Password](#)



[Add/Update User
Data](#)



[Update SLA](#)

Administration – Create new user

CLAAS User Record

Note: Fields marked with (*) are mandatory

Select User

User Name - ID	*New User*
----------------	------------

Personal Information

Title	
First Name *	
Last Name *	
User ID *	
Password *	●●●●●●●●
Job Role *	<ul style="list-style-type: none"><input type="radio"/> Guest<input type="radio"/> Data_opr<input type="radio"/> Data_sc<input type="radio"/> Dom_exp<input type="radio"/> Dom_prac<input type="radio"/> Sys_admin<input type="radio"/> Manager<input type="radio"/> Query user<input type="radio"/> Super_user<input type="radio"/> SLA_admin<input type="radio"/> User_admin
Employee ID	
Designation	

Contact Information

Email *	
Work Phone	
Cell Phone	
Home Phone	
Fax	
Postal Address	
Street No.	
City	
State	
Country	
Postal Code	

Update

Delete

Cancel

Administration – Modify user information

user_reg - Mozilla Firefox

File Edit View History Bookmarks Tools Help

AaaS Service Manager x user_reg x sla_reg x Mozilla Firefox Start Page x Problem loading page x Aether Virtual Computi... x I wish - Google Search x +

ecco-computer115.sharcnet.ca/claas/usr_mgr_upd.php

Most Visited Getting Started Latest Headlines

CLAAS User Record

Note: Fields marked with (*) are mandatory

Select User

User Name - ID	Wendy Powley - wendy
----------------	----------------------

- *New User
- Fahana Zulkemine - fhz9
- Dr Patrick Martin - martin
- Wendy Powley - wendy
- affff adfas - nuser
- Mr Shadi Khalifa - shadi

Personal Information

Title	
First Name *	Wendy
Last Name *	Powley
User ID *	wendy
Password *	***** Change Password
Job Role *	<input type="radio"/> Guest <input type="radio"/> Data_opr <input type="radio"/> Data_sc <input type="radio"/> Dom_exp <input type="radio"/> Dom_prac <input checked="" type="radio"/> Sys_adm <input type="radio"/> Manager <input type="radio"/> Query user <input type="radio"/> Super_user <input type="radio"/> SLA_adm <input type="radio"/> User_adm
Employee ID	
Designation	



Analytics-as-a-Service Manager

Admin



Administration

Data Management



Data Definition and
Uploading



Workflow Components



Workflow Component
Management



Workflow Management



Workflow Management



Query Results



Query Analytics Results



Social Network/Collaboration



Social Network and
Collaboration

Data Management Operations



Data Definition
Upload & Management



IBM InfoSphere
Stream
[VM not instantiated]



IBM SPSS Modeler
15.0



IBM BigInsights



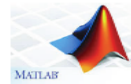
Weka



R



DB2 Data Studio Client
4.1.0.0



Matlab



Octave

Manage Data Types and Upload Data

The screenshot displays the 'Data Browser' application. The left sidebar shows a tree view of data objects, including folders like 'Arff', 'Cluto', 'CorrelationScore', 'Dataset', 'Event', 'Executable_Scripts', and 'DB_Scripts'. The main area shows the 'Metadata for dbo_build_disease_dataset_sql' with a table of properties.

Name	Value
DB_Type	DB2
ExportsCSV	
hasLogin	1
needParams	

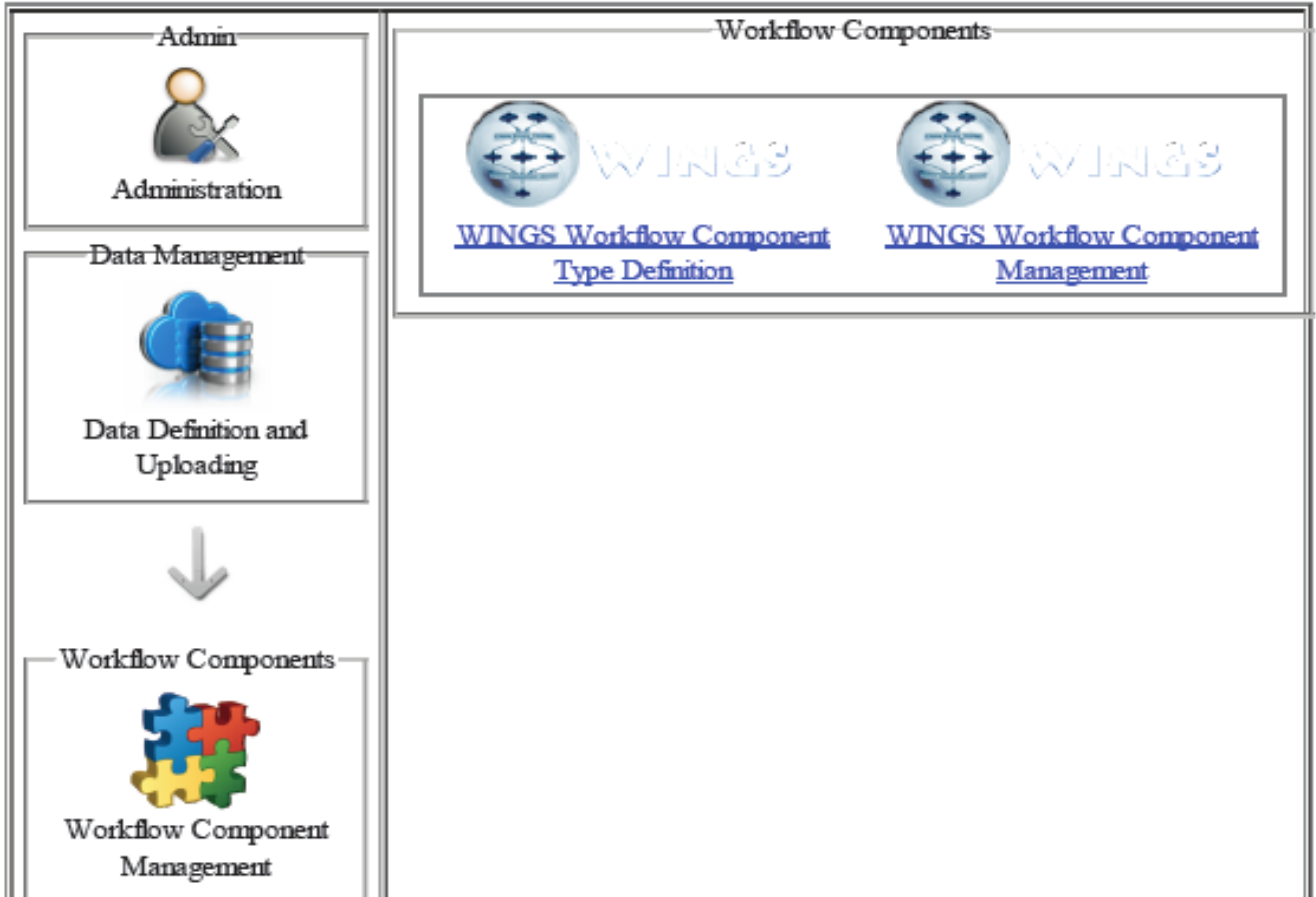
Overlaid on the bottom right is the 'DB_Scripts Upload Queue' dialog box, which contains a table of files to be uploaded.

File	Size	Status
login.pdf	109356	Queued
Manage Data.pdf	206879	Queued
SLA Types.pdf	135018	Queued
sla_reg.pdf	168532	Queued

At the bottom of the dialog box, there are five buttons: 'Add Files to Queue', 'Delete File from Queue', 'Clear Queue', 'Cancel Upload', and 'Begin Upload'.

Analytics-as-a-Service Manager

Welcome
Patrick
Martin



Manage Component Types

Component Browser

Component Types

Intro Rules Exec_DB_Script Exec_DB2_Script

Save Rebad

Input Data

Add Delete

Name	Type	Prefix	Dimensionality
inputfile	DB_Scripts	-i1	0

Input Parameters

Add Delete

Name	Type	Prefix	Default Value
------	------	--------	---------------

Output Data

Add Delete

Name	Type	Prefix	Dimensionality
------	------	--------	----------------

Manage Components

Component Browser

Components: Default

Intro Rules DB2exec_io

Save Rebad Upload New Version Download

Input Data

Add Delete

Name	Type	Prefix	Dimensionality
inputfile	DB_Scripts	-i1	0

Input Parameters

Add Delete

Name	Type	Prefix	Default Value
------	------	--------	---------------

Output Data

Add Delete

Name	Type	Prefix	Dimensionality
outfile	Unstructured	-o1	0
event	Event	-o2	0

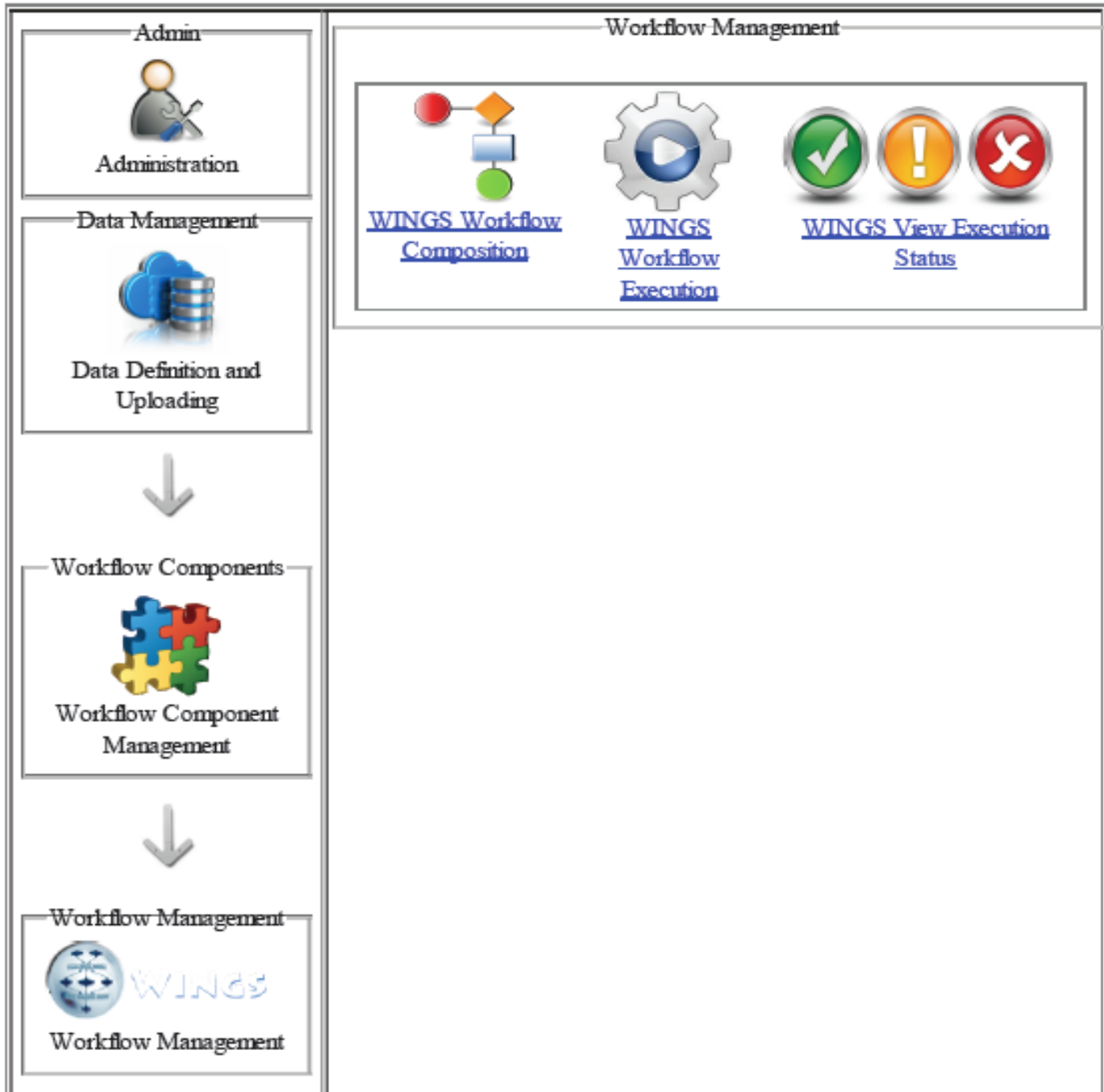
DB2exec_io Upload

File	Size	Status
DB2exec_io.zip	74369	Queued

Select File Delete File Cancel Upload Begin Upload



Analytics-as-a-Service Manager



Workflow Composition and Template Management

Workflow Composition and Template Management interface showing a list of templates on the left and a detailed view of a template in the center.

Template Editor | CPCSSN Analyze Patient Encounter | CPCSSN Analyze Disease Statistics

Template | Documentation

Save | Save As | Elaborate Template | Rebad

Constraints: All

+ Add Constraint | - Delete Constraint

Variable	Constraint	Value
<input type="checkbox"/> outfile	rdf:type	dcdom:Unstructured
<input type="checkbox"/> outfile	rdf:type	dcdom:Text_File
<input type="checkbox"/> inputfile	rdf:type	dcdom:Executable_Scripts
<input type="checkbox"/> inoutfile	rdf:type	dcdom:DB_Scripts

+ Add Component | - Delete Selected | Layout | Zoom In | Zoom Out | Grab Image

```
graph TD; inputfile1[inputfile] --> DB2exec_io[DB2exec_io]; DB2exec_io --> event[event]; event --> DB2exec_w_conn[DB2exec_w_conn]; dbname[dbname] --> DB2exec_w_conn; inputfile2[inputfile1] --> DB2exec_w_conn; passwd[passwd] --> DB2exec_w_conn; user[user] --> DB2exec_w_conn; DB2exec_w_conn --> msgfile[msgfile]; DB2exec_w_conn --> outfile1[outfile1]; DB2exec_io --> outfile2[outfile];
```

Workflow Data Linking and Execution

The screenshot displays the MODX Revolution 'Run Workflows' interface. The browser address bar shows the URL `199.241.160.195:7780/portal/wpbrowseworkflows.html`. The page title is 'MODX Revolution [Run Workflows]'. A navigation menu includes 'Home', 'Advanced', and 'Credits'. On the left, a 'Templates' sidebar lists various workflow categories such as 'Similar', 'Validate', 'CPCSSN Analyze Patient Encounter', and 'CPCSSN Analyze Disease Statistics'. The main area features a 'Template Browser' for 'CPCSSN Analyze Disease Statistics' with tabs for 'Template' and 'Documentation'. Below this, there are input fields for 'dbname', 'inputfile', 'inputfile1', 'pwd', and 'uid'. A 'Constraints: All' table is visible, and a 'Suggested Parameters' dialog box is open, showing a list of parameters like 'dbname', 'pwd', 'uid', and 'classdb' with a 'Use Selected param' checkbox checked. At the bottom, a workflow diagram is partially visible.

Logout

Home Advanced Credits

Templates

- Similar
- SimilarWords
- Validate
- CPCSSN Analyze Patient Encounter
- CPCSSN Analyze Disease Statistics
- DocumentClassification single
- TermWeighting
- Classify
- FeatureSelection
- TopicModeling
- PlotTopics
- Model
- ReduceDataset
- GenerateVocabular
- MultiLabel
- DocumentClassification multi
- SimilarWordsTopics
- CorrelationScore
- PlotCorrelationScore
- ModelThenClassify
- Stemming
- PrepareDataset
- FeatureGeneration
- DocumentClustering

Template Browser CPCSSN Analyze Disease Statistics

Template Documentation

Suggest Data Suggest Parameters Run Workflow Clear Reload

dbname: Enter a string value... pwd: Enter a string value...

inputfile: kgh_build_disease_dataset_sql uid: Enter a string value...

inputfile1: kgh_build_disease_dataset_sql

Constraints: All

Variable	Constraint	Value
outfile	type	Unstructured
outfile	type	Text_File
inputfile	type	Executable_Scripts
inputfile	type	DB_Scripts

Layout Zoom In Zoom Out Grab Image

Suggested Parameters for CPCSSN_Analyze_Disease_Statistics

Use Selected param

dbname	pwd	uid
classdb		farhadb2

Show/Hide Evaluation

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Workflow Execution

The screenshot displays the MODX Revolution 'Run Workflows' interface. The browser address bar shows the URL `199.241.160.195:7780/portal/wpbrowseworkflows.html`. The page header includes the MODX Revolution logo and a 'Logout' link. A navigation bar contains 'Home', 'Advanced', and 'Credits' options.

The main content area is divided into a 'Template Browser' and a 'Documentation' section. The 'Template Browser' on the left lists various workflow templates, with 'CPCSSN Analyze Disease Statistics' selected. The 'Documentation' section shows the configuration for this workflow, including fields for 'dbname' (clasdb), 'inputfile' (kgh_build_disease_dataset_sql), 'inputfile1' (kgh_build_disease_dataset_sql), 'pwd' (5c7227f1), and 'uid' (farhadb2). A 'Run Workflow' button is visible.

A 'Workflow Submitted' dialog box is overlaid on the interface, containing the following text:

Workflow: CPCSSN_Analyze_Disease_Statistics has been submitted for execution [Run id: 77]!

You can monitor Workflow Execution from the 'Access Results' page in the Analysis Menu

CLICK HERE to Monitor Execution

Below the dialog, a workflow diagram is visible, showing a sequence of tasks including 'prepare_data', 'feature_extraction', 'model_training', and 'model_evaluation'. The 'prepare_data' task is currently selected.

At the bottom of the interface, there is a 'Variable: pwd' and 'Input Parameter' section.

View Results

My Runs
Rebuild

Delete

Template	Progress	Start Time	End Time
✘ CPCSSN_Analyze_Disease_Statistics <small>Run ID:77, Request ID:CPCSSN_Analyze_Disease_Statistics_Run_534b95d240ac</small>	<div style="width: 100%; height: 10px; background: linear-gradient(to right, green 70%, red 30%);"></div> <small>Last job(s): 130/2000; 0/2000</small>	11:06:07 am, Apr 14, 2014	11:06:15 am, Apr 14, 2014
✔ CPCSSN_Analyze_Patient_Encounter <small>Run ID:76, Request ID:CPCSSN_Analyze_Patient_Encounter_Run_534b42f9e4d</small>	<div style="width: 100%; height: 10px; background-color: green;"></div> <small>Finished</small>	12:29:27 am, Apr 14, 2014	12:29:29 am, Apr 14, 2014
✔ CPCSSN_Analyze_Disease_Statistics <small>Run ID:69, Request ID:CPCSSN_Analyze_Disease_Statistics_Run_534b5c890b17</small>	<div style="width: 100%; height: 10px; background-color: green;"></div> <small>Finished</small>	11:56:59 pm, Apr 13, 2014	11:57:04 pm, Apr 13, 2014
✔ Stemming <small>Run ID:66, Request ID:Stemming_Run_516b0b170073</small>	<div style="width: 100%; height: 10px; background-color: green;"></div> <small>Finished</small>	11:44:57 pm, Apr 13, 2014	11:45:01 pm, Apr 13, 2014

Result Browser
CPCSSN_Analyze_Disease_Statistics_Run_534b95d240ac

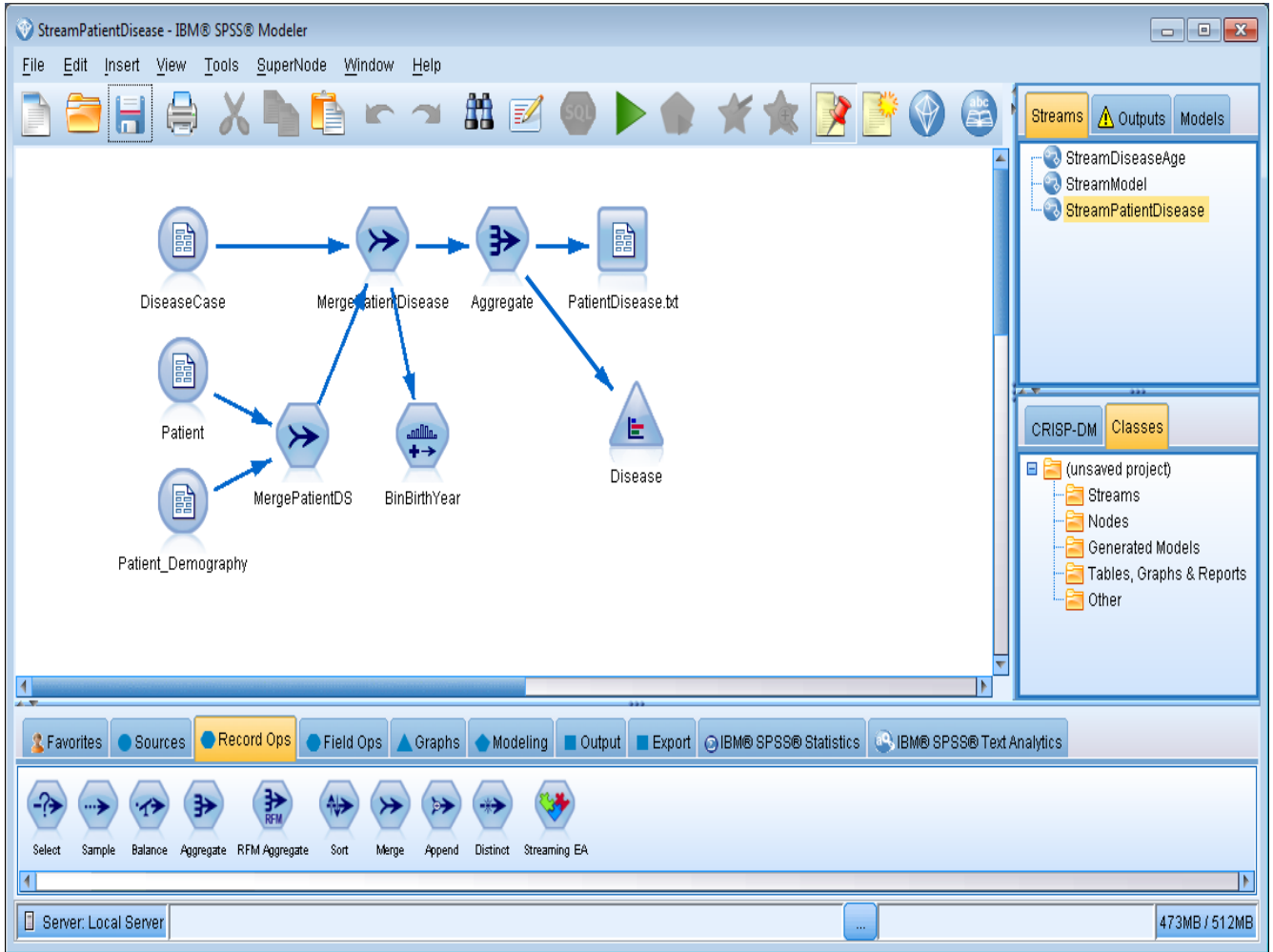
✦ **CPCSSN_Analyze_Disease_Statistics_Seed_534b95d22c18**

Data
Run Log
Workflow
Documentation

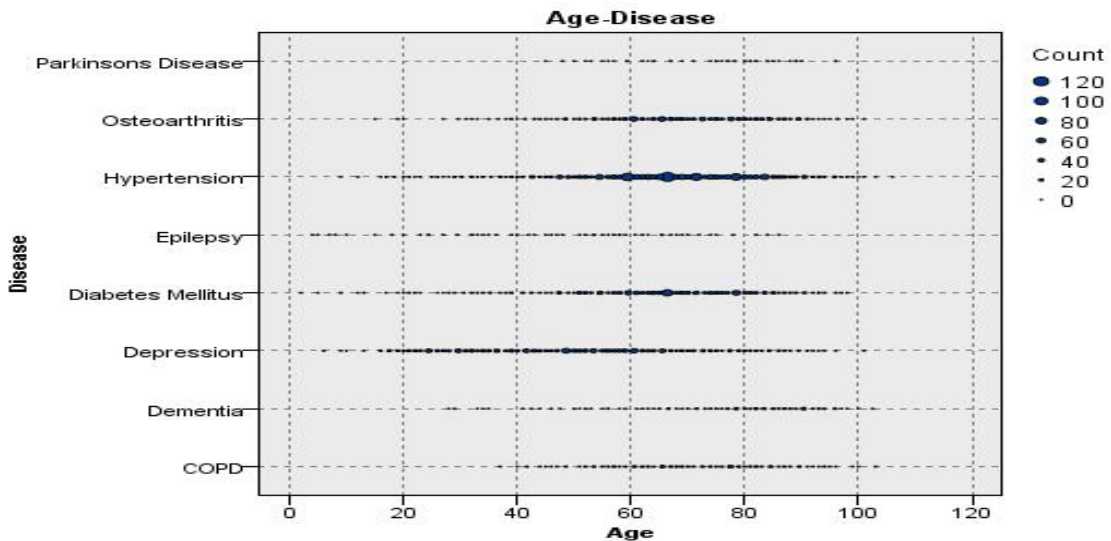
Get HTML

Variable	Findings
Input (5 Items)	
1 dbname	cloudb
2 inputfile	kgh_build_disease_dataset_sq1 (1 KB)
3 inputfile1	kgh_build_disease_dataset_sq1 (1 KB)
4 pwd	5c7227f1
5 uid	farhadb2
Intermediate (1 Item)	
6 event	10d5ed91267a323dc7f3a395cd76a4d8 (0 B, Save)
Output (3 Items)	
7 msgfile	Not yet available
8 outfile	a02b0c61d9e903d547c19a6e0db59f1c (50 KB, Save)
9 outfile1	Not yet available

Using IBM SPSS from AaaS to create analytic workflows



Graph generated by IBM SPSS



IBM BigInsights accessed using AaaS to upload data on HDFS and use BigSheets to analyze data and visualize charts

The screenshot shows the IBM InfoSphere BigInsights interface in Mozilla Firefox. The browser address bar displays `ecco-computer74.sharcnet.ca:8080/data/html/index.html#redirect-files`. The interface includes a navigation menu with 'Files' selected. On the left, a tree view shows the HDFS directory structure under `hdfs://biginsights-1.9000/`, including folders like `biginsights`, `hbase`, `hdm-tera-input`, `hdm-tera-output`, `hdm-tera-report`, `opt`, `tmp`, `user`, `admin`, `.staging`, `Encounter.txt`, `PatientDisease.txt`, `toFindHighFrequencyPatient.csv`, `credstore`, and `farhana`. The main area shows a file listing table for the path `/user/admin/.staging`.

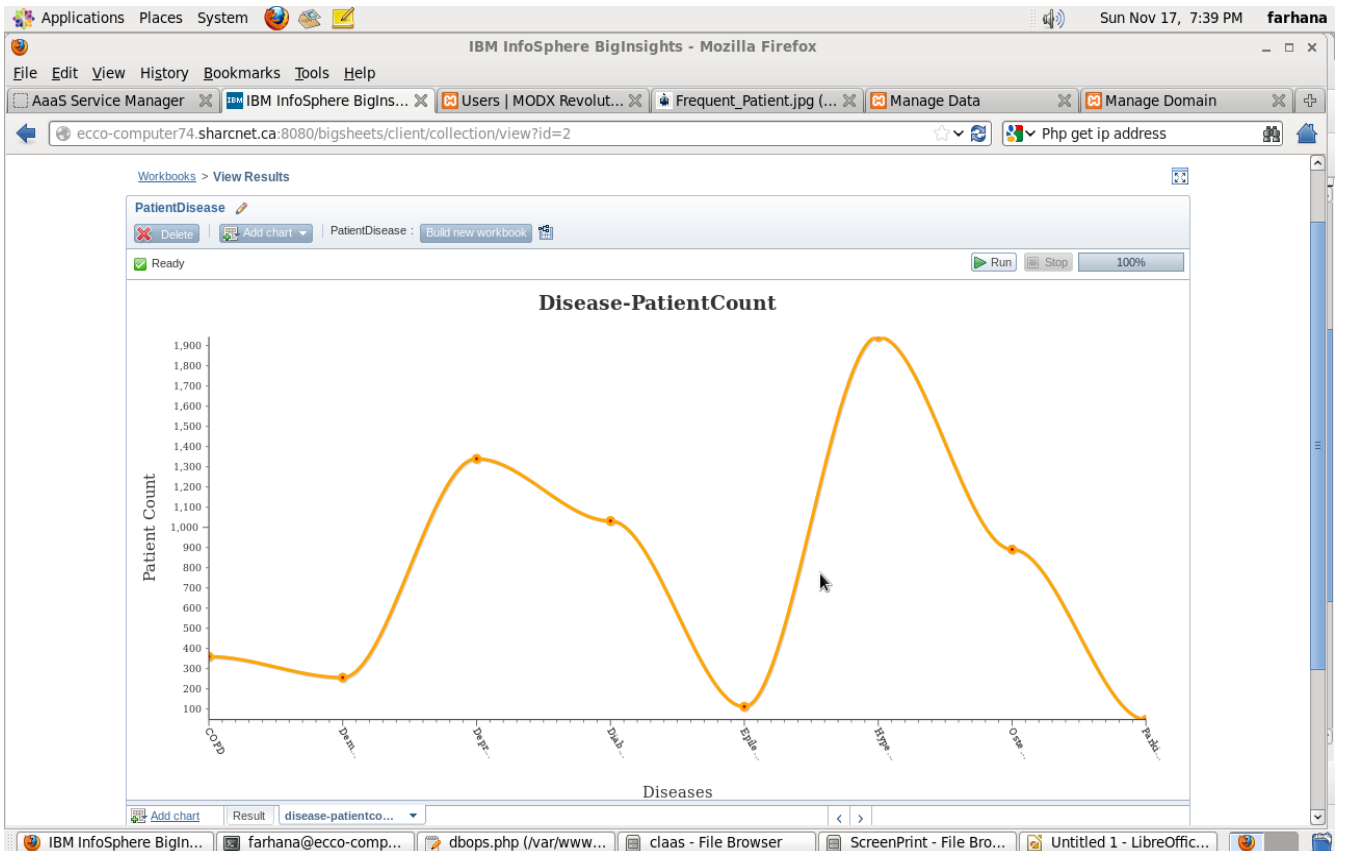
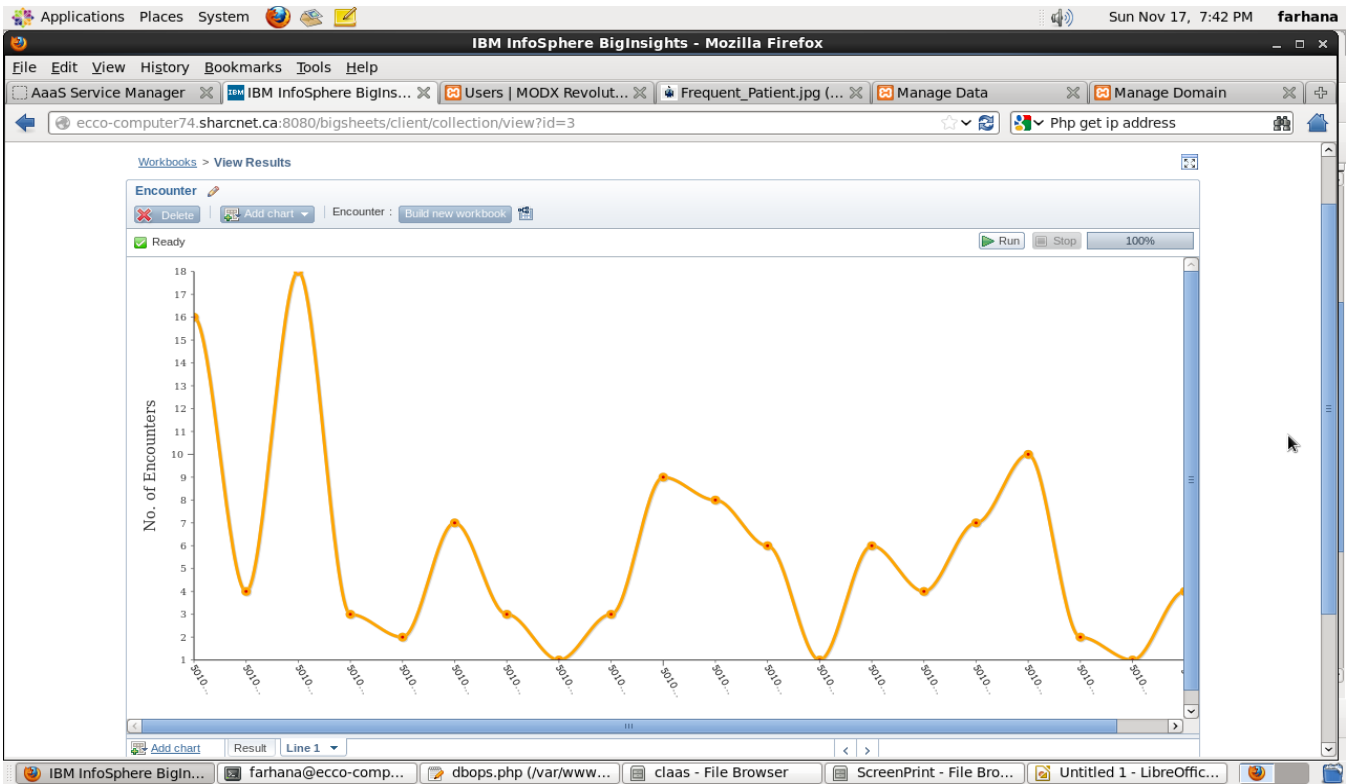
Name	Size	Block Size	Time	Permission	Owner	Group
.staging	116.8 MB	...	Nov 15, 2013 6:47:32 PM	rwX-----	farhana	supergroup

Below the table, there are options for 'Viewing Size' (10KB) and file types (Text, Sheet).

The screenshot shows the IBM InfoSphere BigInsights interface in Mozilla Firefox, specifically the 'BigSheets' view. The browser address bar displays `ecco-computer74.sharcnet.ca:8080/bigsheets/client/home`. The interface includes a navigation menu with 'BigSheets' selected. The main area shows a list of workbooks under the heading 'Workbooks'. There are buttons for 'New Workbook' and 'Purge'. The list shows two workbooks: 'Encounter' and 'PatientDisease'. Each workbook entry includes its name, description, owner, creation time, last visited time, and a progress bar.

Workbook Name	Description	Owner	Created	Last Visited	Progress
Encounter	Patient encounters with care givers	Default	11/15/13 6:49 PM	11/17/13 7:14 PM	100%
PatientDisease	Disease-Patientcount	Default	11/15/13 6:04 PM	11/17/13 7:18 PM	100%

IBM BigInsights - BigSheets to analyze data and visualize charts



Share results using AaaS

AaaS Service Manager - Mozilla Firefox

File Edit View History Bookmarks Tools Help

AaaS Service Manager x Age_BIN_Count.jpg (JPEG Im... x Problem loading page x IBM Infosphere BigInsights x Aether Virtual Computing Lab x I wish - Google Search x +

ecco-computer115.sharcnet.ca/claas/service_manager.php?session=fhz9

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Analytics-as-a-Service Manager

Welcome fhz9

Admin

- Administration
- Data Management
 - Data Definition and Uploading
- Workflow Components
 - Workflow Component Management
- Workflow Composition

Query Results

Age_BIN_Count

