

## Data & Reporting Team (DART) Minutes, 06-27-19

### BL 339

**New Members: Kellie Dyer and Aaron Osei**

**Minutes from last meeting:** Previously approved via SharePoint

**Reporting Tool Survey Results** David Wilkins shared the results of a reporting tool survey generated from the responses of participating DART members. The survey covered: Products/CRMS, Programming/Reporting Tools, Web Tools, ETL tools. Reporting tools were reported individually and by product suite with Microsoft and SAS tools being the most widely used. (The survey results will be attached to the final version of the minutes.)

**Melissa Nestor and Tool Survey/Review Project** BI and Visualization Team Lead, IT Data Services

Melissa has been tasked with looking at reporting tools and she shared a general overview of a proposed reporting tool project. IT has surveyed departments and IT's Corey Helms has coordinated the results. IT continues to gather information from DART and other groups. Some DART members have volunteered to participate in a reporting tool review if the opportunity allows. David shared the list of DART volunteers to date.

#### **Recent IT ODS Load/Refresh Issues**

The ODS loads and refreshes have struggled in recent days. IT's Josh Wilson provided a response:

*Performance has been an issue for some time in ODS and we have been investigating, but it seems like some infrastructure changes have pushed things over the edge this month. A series of Isilon (norfile) issues and network maintenance have de-stabilized the environment across many of our systems including ODS. A reboot last Friday for ODS seemed to help improve some issues but I suspect broader reboots such as during 3<sup>rd</sup> Sunday would help more. We are going to try to add CPU resources to the ODS database servers this afternoon. Current issues:*

- 1) *Refresh\_AR job has failed to get data updates several times but is successful on the second attempt.*
- 2) *Refresh\_Finance job frequently throws an error trying to read from Banner but this is rarely impactful since Finance is not an active data area. The job completes successfully when re-run.*
- 3) *Refresh\_Finaid and Refresh\_Student have been running longer and not finishing before morning processing is expected.*

*LOAD\_STUDENT job also failed to complete this last weekend and when re-run did not finish till 5:39am Tuesday. Something had caused the execution plan for one of the mappings to start consuming far more TEMP space than we have available and had to be forced to an alternate plan.*

**Cognos 11.1 Upgrade** Susie Irwin reported that Cognos is being updated this summer, most likely at the end July. Susie Irwin is putting together documentation. There will be no change for Consumers but the Author interface will change. There may be some added functionality. More details to follow.

#### **DART Subteam Updates**

- **Community Support** (David Wilkins) This group worked on reporting tool survey. A Power BI User Group meeting is scheduled for 7/17/19 and Corey Helms will demo some of his work. ZOOM remote participation will be offered. A monthly user group meeting will be established. Work is under way on a Power BI Team Collaboration Site.
- **Data Dictionary** (David Wilkins) This group is putting finishing touches on 877 columns from 14 different objects.
- **Data Review** (Patti Otto) This group has been dormant due to changes in governance structure.
- **Data Quality & Training** (David Wilkins) Group on hold. But some data quality issues are being addressed through the HR Data Group.
- **Policy & Recommendations** (David Wilkins) This group has been in a holding pattern with the advent of the N-DGC and is currently uncertain of future activities pending direction of N-DGC. Three working documents from this group were sent to April Lee. The IT- and Data-related committee document on the team's DART subpage has been updated.
- **Reporting Tool Training** (Susie Irwin) Susie Irwin is creating Cognos 11.1 upgrade documentation and will offer special trainings and Office Hours shortly after Go Live.

**Other issues/upcoming activities.** None were mentioned.

**Next meeting:** August 22<sup>nd</sup>, 8:30-10:00, BL 339

# DART Computer Systems & Reporting Tool Survey, 2019



# DART Computer Systems & Reporting Tool Survey, 2019

<u>Products/CRMs Used</u>	<u>Vendor</u>	<u>Function</u>	<u>Place 'X' if you use the item in Column A</u>	<u>Place 'X' if you do not use item in Column A but your area does use the item.</u>
BASH	Scripting	Reporting		
C++ or other C version		Reporting		
Cognos Analytics Consumer	IBM	Campus Reporting		
Cognos Analytics Author	IBM	Campus Reporting		
Microsoft Access	SAS	Reporting		
Microsoft Analytics	SAS	Reporting		
Microsoft Excel	SAS	Reporting		
MySQL	IBM	Campus Reporting		
OBIEE	SAS	Reporting		
Peoplesoft App Designer	Oracle	Campus Reporting		
Peoplesoft Query Manager	Oracle	Campus Reporting		
PHP		Reporting		
Power BI	Microsoft	Reporting--Visualization		
PSPP	SAS	Reporting		
Python/Cpython		Statistics/machine learning		
R		Statistics/visualization		
SAS Enterprise Guide	SAS	Reporting		

Note: Because some respondents checked both rightmost columns, all 'X's were counted as 1.

# DART Computer Systems & Reporting Tool Survey, 2019

## *Categories:*

- **Products/CRMs**
- **Programming/Reporting Tools**
- **Web Tools**
- **ETL Tools**

# **DART Computer Systems & Reporting Tool Survey, 2019**

*Sixteen respondents from:*

- **Academic Affairs Admin Offices (ESAR, Provost, IRR—9)**
- **Various Colleges (A&S, EN, GR, Tulsa—4)**
- **Administration and Finance (HR—2)**
- **Information Technology (1)**

# Administration and Finance

## Products/CRMS

Banner

Concur

One (oZONE)

OnPoint

Laserfiche

Peoplesoft HR

Peoplesoft FIN

Qualtrics

Salesforce

Taleo

The Book

## Reporting Tools

Cognos Analytics Author

Cognos Analytics Consumer

OBIEE

Peoplesoft Query Manager

PeopleTools

Power BI

Python/Cpython

SAS Enterprise Guide

SAS Enterprise Miner

SAS Visual Analytics

SPSS

Tableau

TOAD

## Web Tools

Google Analytics

HTML

Javascript

# Information Technology

## Products/CRMS

Banner

Concur

Confluence

JIRA

OnPoint

Peoplesoft HR

Qualtrics

Suma

## Reporting Tools

BASH

Cognos Analytics Consumer

Cognos Analytics Author

Microsoft Access

Microsoft Excel

Power BI

PeopleSoft App Designer

Python/Cpython

R

SAS Enterprise Guide

SAS Enterprise Miner

SAS Visual Analytics

SAS Visual Statistics

SQL Developer

Tableau

TOAD

## Web Tools

?

## ETL Tools

Boomi

Informatica





# Colleges

## Products/CRMS

Banner  
Canvas  
ClassNav  
CollegeNet  
Concur  
Courseleaf  
Crimson Corner  
Degree Navigator  
ePaf  
iAdvise  
Laserfiche  
OnPoint  
One (oZONE)  
PerfectForms  
Peoplesoft FIN  
Peoplesoft HR  
Qualtrics  
Salesforce  
Slate  
The Book  
Trello

## Reporting Tools

Cognos Analytics Consumer  
Cognos Analytics Author  
Microsoft Access  
Microsoft Excel  
Power BI  
Python/Cpython  
R  
Tableau  
Minitab

## Web Tools

Adobe Dreamweaver

## ETL Tools

Boomi

# Academic Affairs Administration

## Products/CRMS

Advisor Scheduling  
Alma  
Astra Schedule  
Banner  
Canvas  
ClassNav  
CollegeNet  
Common App  
Concur  
Confluence  
Courseleaf  
Crimson Corner  
Degree Navigator  
ePaf  
Faculty Activity System  
iAdvise  
Janux  
JIRA  
Laserfiche  
MAP-Works  
MyMedia

OnPoint  
One (oZONE)  
Peoplesoft HR  
Portfolio  
Qualtrics  
Radius  
Salesforce  
Slate  
Smartsheet  
StarRez  
SUMA  
The Book  
Trello  
CampusLogic  
Blackbaud Award  
Management

## Reporting Tools

C++ or other C version  
Cognos Analytics Consumer  
Cognos Analytics Author  
Microsoft Access  
Microsoft Analytics  
Microsoft Excel  
MySQL  
OBIEE  
Peoplesoft App Designer  
Peoplesoft Query Manager  
PHP  
Power BI  
PSPP  
Python/Cpython  
R  
SAS Enterprise Guide  
SAS Enterprise Miner  
SAS PC  
SAS Visual Analytics  
SAS Visual Statistics  
SAS--Other

SPSS  
SQL Developer  
Tableau  
TOAD  
PeopleTools  
Slate Report

## Web Tools

Adobe Dreamweaver  
Adobe Muse  
Bootstrap  
CSS  
D3  
Google Analytics  
HTML  
HTML5  
JavaScript  
Jquery  
LibGuides  
Other Web Tools Used:  
Adobe Experience Mgr  
(CQ5)

## ETL Tools

Boomi  
Informatica

# Total ETL Tools Used

**Boomi (3)**

**Informatica (2)**

## Total Web Tools Used

**Adobe Dreamweaver (2)**

**Adobe Muse (1)**

**Bootstrap (2)**

**CSS (3)**

**D3 (2)**

**Google Analytics (3)**

**HTML (4)**

**HTML5 (2)**

**JavaScript (3)**

**Jquery (4)**

**LibGuides (1)**

**Adobe Experience Mgr (CQ5) (1)**

# Products/CRMS Used



# Products/CRMS Used (Without OnPoint, Concur)



## Total Products/CRMS Used (>=10)

Advisor Scheduling (2)

Alma (1)

Astra Schedule (4)

**Banner (17)**

Canvas (8)

ClassNav (5)

CollegeNet (5)

Common App (2)

**Concur (10)**

Confluence (6)

Courseleaf (5)

Crimson Corner (4)

Degree Navigator (7)

ePaf (2)

Faculty Activity System (2)

iAdvise (8)

Janux (2)

JIRA (7)

**Laserfiche (10)**

MAP-Works (1)

MyMedia (2)

**OnPoint (12)**

One (oZONE) (9)

PerfectForms (1)

Peoplesoft FIN (1)

Peoplesoft HR (7)

Portfolio (1)

**Qualtrics (12)**

Radius (1)

Salesforce (4)

Slate (8)

Smartsheet (1)

StarRez (1)

SUMA (1)

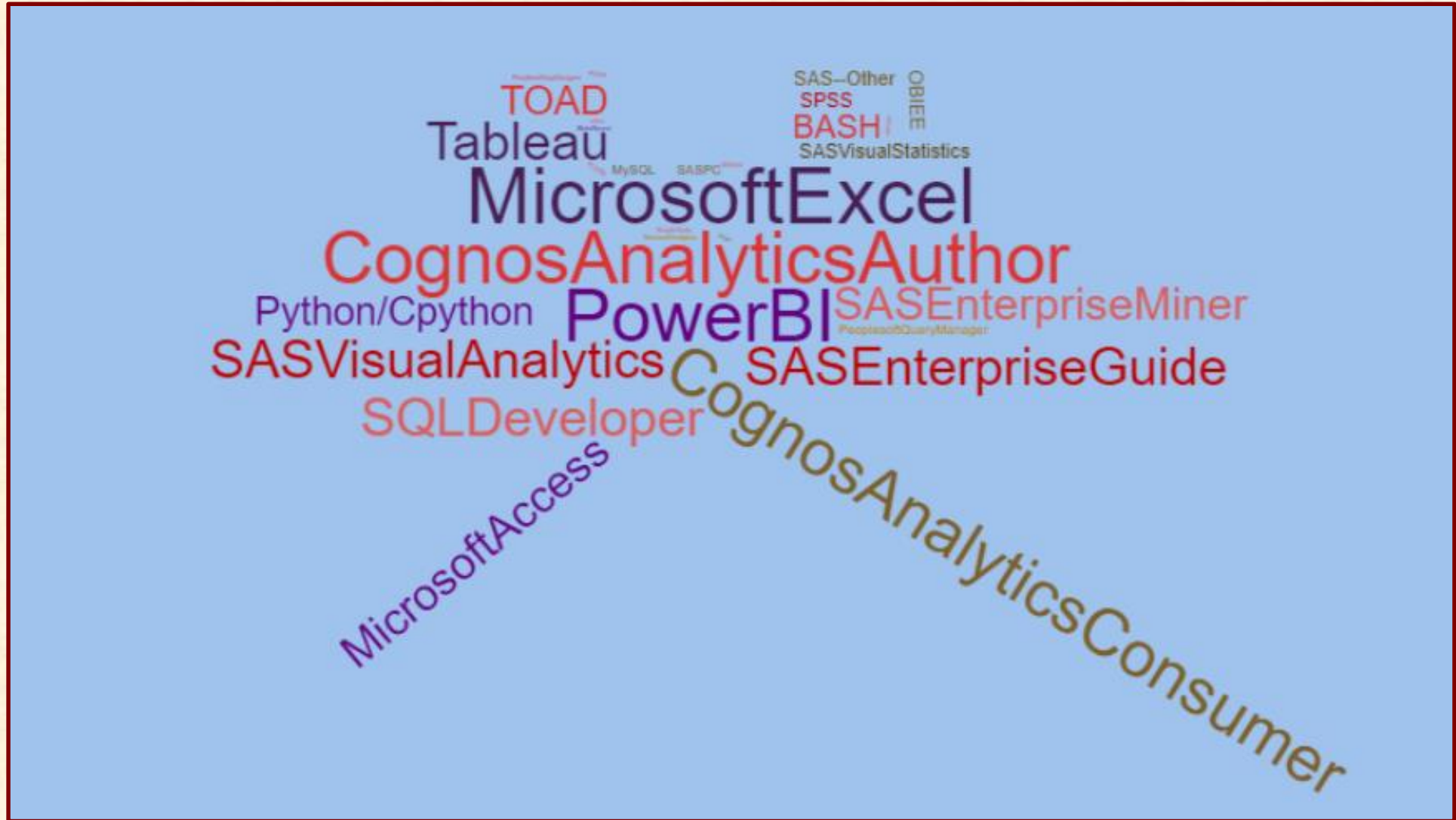
**The Book (10)**

Trello (3)

CampusLogic (1)

Blackbaud Award Mgmt (1)

# Reporting Tools Used





## Total Reporting Tools Used (**>=10**)

**BASH (5)**

**C++ or other C version (1)**

**Cognos Analytics Consumer (10)**

**Cognos Analytics Author (11)**

**Microsoft Access (7)**

**Microsoft Analytics (1)**

**Microsoft Excel (13)**

**MySQL (2)**

**OBIEE (3)**

**Peoplesoft App Designer (1)**

**Peoplesoft Query Manager (2)**

**PHP (2)**

**Microsoft Power BI (11)**

**PSPP (1)**

**Python/Cpython (6)**

**R (6)**

**SAS Enterprise Guide (8)**

**SAS Enterprise Miner (7)**

**SAS PC (2)**

**SAS Visual Analytics (8)**

**SAS Visual Statistics (3)**

**SAS—Other (3)**

**SPSS (3)**

**SQL Developer (8)**

**Tableau (8)**

**TOAD (6)**

**PLSQL (1)**

**Minitab (1)**

**PeopleTools (1)**

**Slate Report (3)**



## Total Reporting Tools Used (Product Suites)

BASH (5)

C++ or other C version (1)

Cognos Analytics Consumer (10)

Cognos Analytics Author (11)

Microsoft Access (7)

Microsoft Analytics (1)

Microsoft Excel (13)

MySQL (2)

OBIEE (3)

Peoplesoft App Designer (1)

Peoplesoft Query Manager (2)

PHP (2)

Microsoft Power BI (11)

PSPP (1)

Python/Cpython (6)

R (6)

SAS Enterprise Guide (8)

SAS Enterprise Miner (7)

SAS PC (2)

SAS Visual Analytics (8)

SAS Visual Statistics (3)

SAS—Other (3)

SPSS (3)

SQL Developer (8)

Tableau (8)

TOAD (6)

PLSQL (1)

Minitab (1)

PeopleTools (1)

Slate Report (3)



# Reporting Tools Used (Products Suites combined)



# Reporting Tools Used

(Products Suites combined, minus Microsoft Excel)



## Total Reporting Tools Used

**BASH (5)**

**C++ or other C version (1)**

**Cognos Analytics Consumer (10)**

**Cognos Analytics Author (11)**

**Microsoft Access (7)**

**Microsoft Analytics (1)**

**Microsoft Excel (13)**

**MySQL (2)**

**OBIEE (3)**

**Peoplesoft App Designer (1)**

**Peoplesoft Query Manager (2)**

**PHP (2)**

**Microsoft Power BI (11)**

**PSPP (1)**

**Python/Cpython (6)**

**R (6)**

**SAS Enterprise Guide (8)**

**SAS Enterprise Miner (7)**

**SAS PC (2)**

**SAS Visual Analytics (8)**

**SAS Visual Statistics (3)**

**SAS—Other (3)**

**SPSS (3)**

**SQL Developer (8)**

**Tableau (8)**

**TOAD (6)**

**PLSQL (1)**

**Minitab (1)**

**PeopleTools (1)**

**Slate Report (3)**





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