

Data Warehouse Student Data User Group Meeting

September 20, 2017

Data Warehouse Student Data Users Group

Agenda

- Project status updates
- News / Tips / Tricks
- Business Objects Webi Report – Combining data collections
- Q and A



Data Warehouse Student Data Users Group

Project status updates

- Pennant Records – at a future SDUG
- Penn IDs for graduate applicants using CollegeNet
- (New) Data Standards group



Data Warehouse Student Data Users Group

News / Tips / Tricks

- Reconciling Pennant Accounts to the GL
- Using Data Tracking visuals in Webi
- Using Excel as a data provider in Webi
- Warehouse website changes – preview



Data Warehouse Student Data Users Group

Reconciling Pennant Accounts to GL

The screenshot displays a software interface titled "Query Panel" with the following components:

- Universe outline:** A tree view on the left showing a hierarchy starting with "Master Perspective" and "Pennant Accounts". Under "Pennant Accounts", several sub-items are listed, including "Student Account Detail (Detl)", "Student Acct GL Detail (GL_D)", "Student Account GL (GL)", "Student Account GL input (GL)", "Student Account Feeder Input", "Student Account Balance (Bal)", "Student Acct Holds (Hold)", "Person (Per)", "Degree Pursual (DP)", "Degree Term (DT)", "Student Term (ST)", "Major Term (Maj)", "Enrollment (Enr)", "Detail Code (Detc)", "Banner Detc To Brs Subcode", "Webi support objects for cann", and "Present Period".
- Result Objects:** A panel containing four buttons: "GL Account (GL_Detl)", "Gfc Penn GI Ref Number (GL_Detl)", "Sum GL Credit Amount (GL_Detl)", and "Sum GL Debit Amount (GL_Detl)".
- Query Filters:** A section with a filter for "Gfc Penn GI Ref Number (GL_Detl)" set to "Equal to" and a text input field labeled "Enter value(s) for C".
- Data Preview:** An empty area with a "Refresh" button and a search bar at the bottom labeled "Type a text to filter the values".
- Footer:** Shows "Query 1" and "Query 2" tabs, and a timestamp: "Last refresh date: September 20, 2017 9:19:43 AM GMT-04:00".

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Reconciling Pennant Accounts to GL

The screenshot displays a query tool interface with the following components:

- Query Panel:** Includes an "Add Query" button and "Run Queries" / "Close" options.
- Universe outline:** A tree view under "Master Perspective" showing a "FINQUERY" folder with various sub-folders like "Balances", "Budget Periods", "Center Ref Codes", "Cnac Codes", "Fund Codes", "Fund Codes History", "Fund Freeze", "Fund Freeze History", "Fund Status", "GL Detail", "GL Periods", "Legacy Fund Sponsors", "Object Codes", "Org Codes", "Org Codes Resp", "Par Cnac Codes Gp", "Par Cnac Codes P", "Par Fund Codes Gp", "Par Fund Codes P", "Par Object Codes Gp", "Par Object Codes P", "Par Org Codes Gp", "Par Org Codes P", "Par Pgm Codes Gp", "Par Purpose Codes P", "Par Purpose Codes Gp", "Par Pgm Codes P", "Par Resporg Codes Gp", "Par Resporg Codes P", and "Planning Rev Exp".
- Result Objects:** A list of four objects: "Coa Account (GLDET)", "Journal Line Desc (GLDET)", "SUM Actual Amount (GLDET)", and "Journal Batch Name (GLDET)".
- Query Filters:** Three filters are applied:
 - Journal Batch Name (GLDET) Matches pattern (Enter value(s) for J)
 - Accounting Period (GLDET) Equal to (Enter value(s) for A)
 - Journal Line Desc (GLDET) Different from pattern (Intra%)
- Data Preview:** A section with a "Refresh" button and a search bar labeled "Type a text to filter the values".
- Footer:** Shows "Query 1" and "Query 2" tabs, and a timestamp: "Last refresh date: September 20, 2017 9:19:43 AM GMT-04:00".

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Reconciling Pennant Accounts to GL

Available Objects

Type here to filter tree

- AR to GL reconciliation
 - Gfc Penn GI Ref Number (GL_Detl)
 - GL Account (GL_Detl)
 - GL Account (GL_Detl) (Query 1)
 - Coa Account (GLDET) (Query 2)
 - Journal Batch Name (GLDET)
 - Journal Line Desc (GLDET)
 - SUM Actual Amount (GLDET)
 - SUM GL Credit Amount (GL_Detl)
 - SUM GL Debit Amount (GL_Detl)
 - Variables
 - Net
 - Net from AR

PNT_AR 001 20161103

GL Account (GL_Detl)	Sum GL Credit Amot	Sum GL Debit Amount	
00000021000000413170000000	939,923.82	634,436.73	305,487.09
00000060330034160050010000		7,000	-7,000
00000060330036160050010000		4,800	-4,800
00000060330037160050010000		2,476	-2,476
00000060330067160050010000	3,250	26,250	-23,000
00000060330169160050010000		29,550	-29,550
00000061000000120000004200	17,383,027.31	13,289,406.53	4,093,620.78
00000061000000120000004210	407		407
00000061000000120000004211	3,230.92	3,230.92	0
00000061000000120000004300	185,710.6	2,358,141.26	-2,172,430.66
00000061000000120000004301		7,795	-7,795
00000061000000120000004302	58,968	392,772.54	-333,804.54
00000061000000120000004304	31,440	330,166	-298,726
00000061000000120000004305	18,696	554,699.02	-536,003.02
00000061000000120000004309	213,753	873,352	-659,599
00000061000000121850014003	26,127		26,127
00000061000000121850014008		32,087.24	-32,087.24
00000061000000121850014012		53,662	-53,662
00000061000000121850014018		5,410	-5,410
00000061000000121850014022	7,672	83,936	-76,264
00000061000000121850014030		31,000	-31,000
00000061000000121850014044		23,854	-23,854

Arranged by: Alphabetic order
Pennant AR GL detail
Ben GL Detail
Report 3

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Reconciling Pennant Accounts to GL

The screenshot displays a software interface for reconciling Pennant Accounts to GL. On the left, an 'Available Objects' pane shows a tree structure under 'AR to GL reconciliation'. The right pane shows a data table with the following content:

PNT_AR 001 20161103 PENNANT_AR A 50554	
Coa Account (GLDET)	SUM Actual Amount (GLDET)
00000021000000413170000000	-305,487.09
00000060330034160050010000	7,000.00
00000060330036160050010000	4,800.00
00000060330037160050010000	2,476.00
00000060330067160050010000	23,000.00
00000060330169160050010000	29,550.00
00000061000000120000004200	-4,093,620.78
00000061000000120000004210	-407.00
00000061000000120000004211	0.00
00000061000000120000004300	2,172,430.66
00000061000000120000004301	7,795.00
00000061000000120000004302	333,804.54
00000061000000120000004304	298,726.00
00000061000000120000004305	536,003.02
00000061000000120000004309	659,599.00
00000061000000121850014003	-26,127.00
00000061000000121850014008	32,087.24
00000061000000121850014012	53,662.00
00000061000000121850014018	5,410.00
00000061000000121850014022	76,264.00
00000061000000121850014030	31,000.00
00000061000000121850014044	23,854.00
00000061000000121850014094	-3.00
00000061000000121850014101	292,165.00

Data Warehouse Student Data Users Group

News / Tips / Tricks

- ❑ Using Data Tracking visuals in Webi



Using “Data Tracking” to visually point out deltas

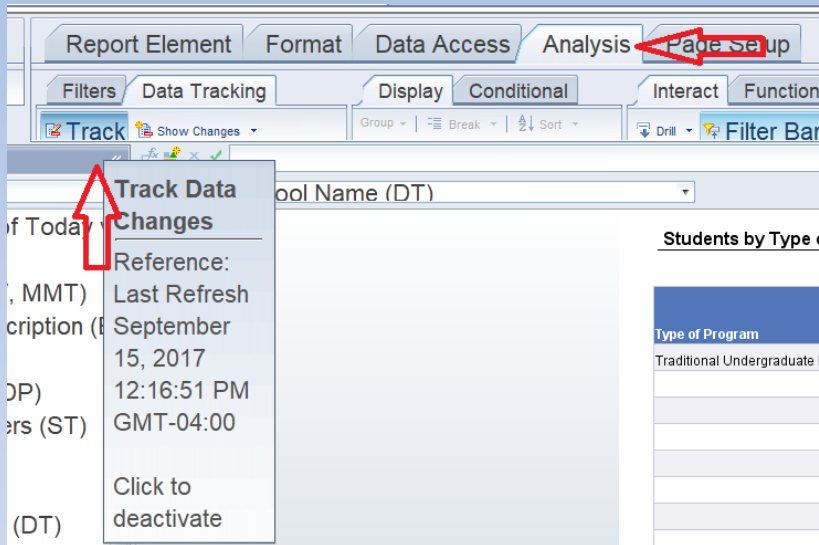
Refresh on 9/15/2017

Refresh on 9/19/2017

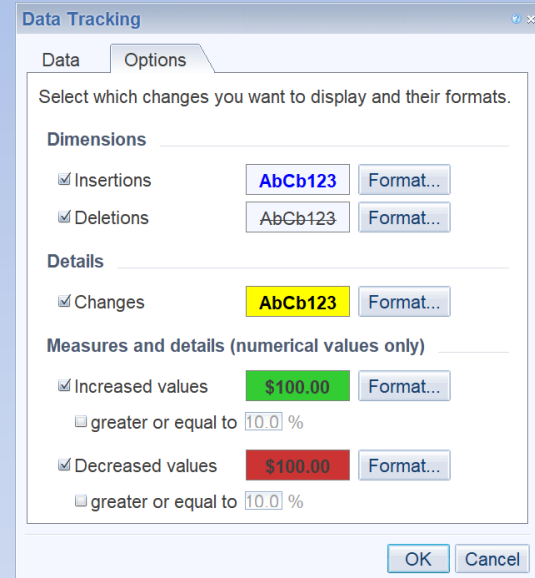
BMP-PHD-CAMB	Years 6+	C. Dissertator	SPEER,KELSEY F	50578074		13	1.0	0.4	0.4
BMP-PHD-CAMB	Years 6+	C. Dissertator	STYPUKOWSKI,LEWA	70551721	11	1.0	0.4	0.4	
BMP-PHD-CAMB	Years 6+	C. Dissertator	TAJER,BENJAMIN J	54085343	11	1.0	0.4	0.4	
BMP-PHD-CAMB	Years 6+	C. Dissertator	TAMEIRE,FEVEN	33721731	13	1.0	0.4	0.4	
BMP-PHD-CAMB	Years 6+	C. Dissertator	TARLOW,ELIANA DANICE	29384789	13	1.0	0.4	0.4	
BMP-PHD-CAMB	Years 6+	C. Dissertator	TOWLER, OSCAR W	44086676	13	1.0	0.4	0.4	
BMP-PHD-CAMB	Years 6+	C. Dissertator	TUAZON,FRANCESCA B	84602761	13	1.0	0.4	0.4	
BMP-PHD-CAMB	Years 6+	C. Dissertator	WALTON,ZANDRA ELENE	78865151	13	1.0	0.4	0.4	
BMP-PHD-CAMB	Years 6+	C. Dissertator	WETZEL,KATHERINE MARY SHEEHA	13959162	11	1.0	0.4	0.4	
BMP-PHD-CAMB	Years 6+	C. Dissertator	WILLIS,ELINOR	58364608	15	1.0	0.4	0.4	
BMP-PHD-CAMB	Years 6+	C. Dissertator	XIN,FRANCES A	41198507	11	1.0	0.4	0.4	
BMP-PHD-CAMB	Years 6+	C. Dissertator	XU,BIHUI	72974158	13	1.0	0.4	0.4	
BMP-PHD-CAMB	Years 6+	C. Dissertator	YARMARKOVICH,MARK	40159920	11	1.0	0.4	0.4	
BMP-PHD-CAMB		D. On Leave	CASTANON,AMARIS	70462843		0.0	0.0		
BMP-PHD-EPID	Years 1-5	A. Full Time	MIANO,TODD ANTHONY	43206808	5	1.0	3.0	3.0	
BMP-PHD-EPID	Years 1-5	A. Full Time	ROBERTSON,DANA KATHERINE	85458287	1	1.0	4.3	4.3	
BMP-PHD-EPID	Years 1-5	A. Full Time	SAINI,MCKAYLA ELIZABETH	89491998	5	1.0	4.0	4.0	
BMP-PHD-EPID	Years 1-5	A. Full Time	SCHNELLINGER,ERIN	49056774	1	1.0	4.0	4.0	
BMP-PHD-EPID	Years 1-5	A. Full Time	VAN PELT,AMELIA ELIZABETH	11735159	1	1.0	3.3	3.3	
BMP-PHD-EPID	Years 1-5	A. Full Time	ZEBROWSKI,ALEXIS	50703765	5	1.0	3.0	3.0	
BMP-PHD-EPID	Years 1-5	A. Full Time	ZHANG,JING	64368658	3	1.0	4.0	4.0	
BMP-PHD-EPID	Years 1-5	A. Full Time	ZHENG,ZIHE	36244833	1	1.0	3.3	3.3	
BMP-PHD-EPID	Years 1-5	A. Full Time	ZHOU,MELIA	15514589	7	1.0	3.0	3.0	
BMP-PHD-EPID	Years 1-5	B. Part Time	BLEWER,AUDREY LEE	31094872	0	0.3	0.5	1.5	
BMP-PHD-EPID	Years 1-5	B. Part Time	CALDERON,TIRZA ARELI	79855045	3	0.3	2.0	6.0	
BMP-PHD-EPID	Years 1-5	B. Part Time	ELLIS,DARCY ELIZABETH	61767867	5	0.3	1.0	3.0	
BMP-PHD-EPID	Years 1-5	B. Part Time	XIE,XIAOYUE	46602117	2	0.3	1.0	3.0	
BMP-PHD-EPID	Years 1-5	D. Disappears	FORDE,KIMBERLY	87924785	0	0.0	0.0		
BMP-PHD-EPID	Years 6+	A. Full Time	CALHOUN,SONDRA	10632481	12	1.0	3.0	3.0	
BMP-PHD-EPID	Years 6+	A. Full Time	HA YOON-HEE PATRICIA	83393731	11	1.0	4.0	4.0	
BMP-PHD-GCB	Years 1-5	A. Full Time	ADAMS,CHRISTOPHER JOSEPH	59457971	1	1.0	3.0	3.0	
BMP-PHD-GCB	Years 1-5	A. Full Time	AGARWAL,DYANSH	40898136	5	1.0	4.0	4.0	
BMP-PHD-GCB	Years 1-5	A. Full Time	AICHER,JOSEPH KRITTAMETH	83365617	5	1.0	4.0	4.0	

BMP-PHD-CAMB	Years 6+	C. Dissertator	SPEER,KELSEY F	50578074		13	1.0	0.4	0.4
BMP-PHD-CAMB	Years 6+	C. Dissertator	STYPUKOWSKI,LEWA	70551721	11	1.0	0.4	0.4	
BMP-PHD-CAMB	Years 6+	C. Dissertator	TAJER,BENJAMIN J	54085343	11	1.0	0.4	0.4	
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BMP-PHD-CAMB	Years 6+	C. Dissertator	XU,BIHUI	72974158	13	1.0	0.4	0.4	
BMP-PHD-CAMB	Years 6+	C. Dissertator	YARMARKOVICH,MARK	40159920	11	1.0	0.4	0.4	
BMP-PHD-CAMB		D. On Leave	CASTANON,AMARIS	70462843		0.0	0.0		
BMP-PHD-EPID	Years 1-5	A. Full Time	CALDERON,TIRZA ARELI	79855045	3	1.0	3.0	3.0	
BMP-PHD-EPID	Years 1-5	A. Full Time	ELLIS,DARCY ELIZABETH	61767867	5	1.0	3.0	3.0	
BMP-PHD-EPID	Years 1-5	A. Full Time	HA YOON-HEE PATRICIA	83393731	9	1.0	3.3	3.3	
BMP-PHD-EPID	Years 1-5	A. Full Time	MIANO,TODD ANTHONY	43206808	5	1.0	3.0	3.0	
BMP-PHD-EPID	Years 1-5	A. Full Time	ROBERTSON,DANA KATHERINE	85458287	1	1.0	4.8	4.8	
BMP-PHD-EPID	Years 1-5	A. Full Time	SAINI,MCKAYLA ELIZABETH	89491998	5	1.0	4.3	4.3	
BMP-PHD-EPID	Years 1-5	A. Full Time	SCHNELLINGER,ERIN	49056774	1	1.0	4.3	4.3	
BMP-PHD-EPID	Years 1-5	A. Full Time	VAN PELT,AMELIA ELIZABETH	11735159	1	1.0	3.8	3.8	
BMP-PHD-EPID	Years 1-5	A. Full Time	XIE,XIAOYUE	46602117	2	1.0	3.0	3.0	
BMP-PHD-EPID	Years 1-5	A. Full Time	ZEBROWSKI,ALEXIS	50703765	5	1.0	3.0	3.0	
BMP-PHD-EPID	Years 1-5	A. Full Time	ZHANG,JING	64368658	3	1.0	4.0	4.0	
BMP-PHD-EPID	Years 1-5	A. Full Time	ZHENG,ZIHE	36244833	1	1.0	3.3	3.3	
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BMP-PHD-EPID	Years 1-5	B. Part Time	BLEWER,AUDREY LEE	31094872	0	0.3	0.5	1.5	
BMP-PHD-EPID	Years 1-5	B. Part Time	CALDERON,TIRZA ARELI	79855045	3	0.3	2.0	6.0	
BMP-PHD-EPID	Years 1-5	B. Part Time	ELLIS,DARCY ELIZABETH	61767867	5	0.3	1.0	3.0	
BMP-PHD-EPID	Years 1-5	B. Part Time	XIE,XIAOYUE	46602117	2	0.3	1.0	3.0	

In Design mode, on the Analysis tab, select Track:



From the drop-down next to “Show Changes” you can select the Display Options to choose how to show the changed data:



Tips: When you click to activate Tracking, select the options to “Compare to last data refresh” and then choose “Refresh data now”

Data Warehouse Student Data Users Group

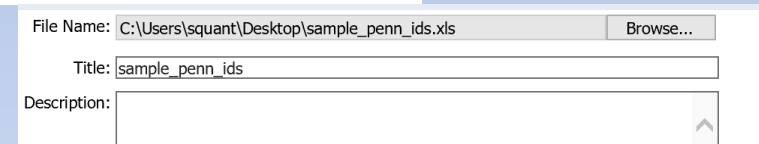
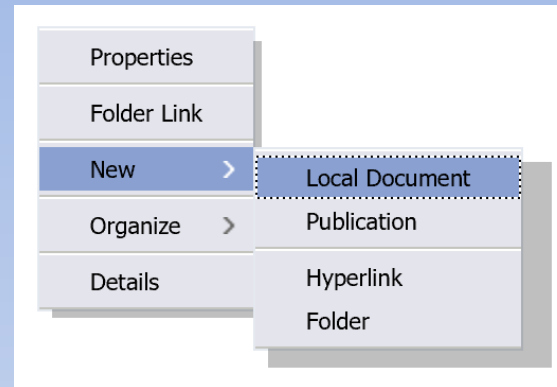
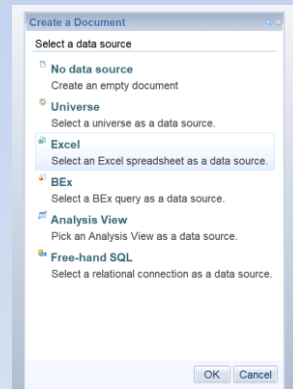
News / Tips / Tricks

- ❑ Using Excel as a data provider in Webi



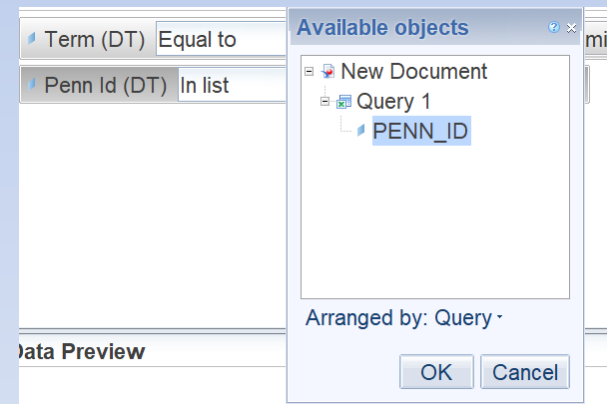
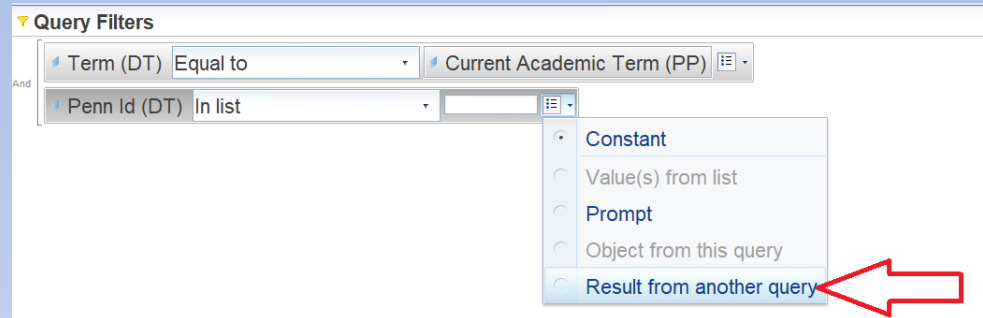
Using Excel as a Data Provider

1. In your folder, right click and choose New -> Local Document
2. Browse to the Excel file on your desktop and select it. It will upload and save a static copy of that spreadsheet in your InfoView folder.
3. Create a new Webi document, and choose Excel as the data source:
4. Run and save the results.

A screenshot of a file selection dialog box. The 'File Name' field contains the path 'C:\Users\squant\Desktop\sample_penn_ids.xls' and has a 'Browse...' button to its right. The 'Title' field contains the text 'sample_penn_ids'. The 'Description' field is empty and has a scroll-up arrow on its right side.

Using your spreadsheet data with other warehouse data

1. In the same Webi query where you retrieved the data from your spreadsheet, create a second query that uses a data warehouse universe.
2. In your second query, have a query condition that looks for the data in your spreadsheet. In this case, the second query will return data for any Penn_ID in the spreadsheet (Query 1).



Data Warehouse Student Data Users Group

News / Tips / Tricks

- ❑ Warehouse website changes – preview



Data Warehouse Student Data Users Group

Business Objects Report

- ❑ Total Graduate Funding - report consolidating 4 data sources



OVERVIEW

- Problem
- Basic Variables
- Basic Reports
- Report Focus
- Questions

PROBLEM

- SRFS request / Audience
- 4 Disparate Universes
 - Student
 - Graduate Funding (GF)
 - Student Aid Management (SAM)
 - Penn Loan System (PLS)
- Terms
- Merging
- Access / Security

BASIC REPORTS

- Detail
 - Students
 - Dual Degree
 - Bridge
 - SAM
 - PLS
 - GF Disbursed
- Summaries
- Previews
 - Total Funding
 - Loan Burden (SAM + PLS)

TOTAL FUNDING

Simpson, Bart

Penn Id (BIO)	EIA-Student on Leave	EIA-Dual Degree	Degree Expected Term (DP)	Classification (DP)	Degree Pursued (DP)	Division Desc (DP, DIV)	Entry Term (DP)	Exit Term (DP)
			2017A	L3	JD	LAW	2014C	2017A

SAM						
SAM Term (AWD)	AID ID (AWD)	Program Description (AWD)	Program Name (AWD)	Offer Amount (AWD)	Paid Amount (AWD)	EIA-Aid Flag (SAM)
2015B	LL05	MCKEAN LOAN	MCKN. LN	5,000.00	5,000.00	Y
	NL40	LAW SCHOLARSHIP	LAW	.00	.00	Y
2015B				Total: 5,000.00	5,000.00	

Penn Loan System							
Loan Pgm Code (App View)	Loan Type Long Name	Loan Type Short Name	App Id (App View)	SAM Aid Term (App View)	Gross Sched Amt (DISBSUMM)	Paid Amt (DISBSUMM)	EIA-Loan Flag(PLS)
037	Direct Sub/Unsub Loan	DL Sub Unsub	01	2014B	20,500.00	20,282.00	Y
037	Direct Sub/Unsub Loan	DL Sub Unsub	02	2015B	20,500.00	20,282.00	Y
037	Direct Sub/Unsub Loan	DL Sub Unsub	04	2016B	20,500.00	20,282.00	Y
039	DL Grad PLUS loan	DL Grad PLUS	03	2015B	7,000.00	6,702.00	Y
039	DL Grad PLUS loan	DL Grad PLUS	05	2016B	14,130.00	13,527.00	Y
039	DL Grad PLUS loan	DL Grad PLUS	06	2016B	13,118.00	12,558.00	Y

Graduate Funding									
COA Fund Desc (Acct)	COA Fund (Acct)	Banner Term (DisChgPmt)	Account Group (Acct)	COA Cref (Acct)	COA Cref Desc (Acct)	Distrib Object (DisChgPmt)	Paying Org (DisChgPmt)	Amount (DisChgPmt)	
BELLER SCHOLARSHIP	601660	201630	Gift Merit	0806	DEAN/WILSON SCHOLARS	4174	5800		5,000.00
	601660	201710	Gift Merit	0806	DEAN/WILSON SCHOLARS	4174	5800		5,000.00
BELLER SCHOLARSHIP							Total:		10,000.00
GENERAL UNRESTRICTED	000000	201630	Unrestricted Merit	0806	DEAN/WILSON SCHOLARS	4174	5800		2,500.00
	000000	201710	Unrestricted Merit	0806	DEAN/WILSON SCHOLARS	4174	5800		2,500.00
GENERAL UNRESTRICTED							Total:		5,000.00
							Total:		15,000.00

LOAN BURDEN

University of Pennsylvania Graduate Aid Funding Loan Categories

Degree Expected / Exit Term: 2017

EIA-Sort Loan	EIA-Name	PennID (Bio)	Total Student Loans:	EIA-PLS Total	EIA-SAM Loans	EIA-Loan Flag(PLS)	EIA-Aid Flag(SAM)	EIA-Student on Leave
02. Less than 20,000			16,250	16,250		Y		
			15,000	15,000		Y	Y	
			10,000	10,000		Y	Y	
			19,750	19,750		Y		
			15,000	15,000		Y		
03. Less than 30,000			26,558	26,558		Y	Y	
			24,500	20,500	4,000	Y	Y	
			20,500	20,500		Y		
			20,500	20,500		Y		
			20,500	20,500		Y		
			20,500	20,500		Y		
			20,500	20,500	0	Y	Y	
			20,500	20,500		Y	Y	
			20,500	20,500		Y	Y	
			25,000	25,000		Y		
04. Less than 40,000			33,650	33,650		Y		
			30,500	30,500		Y	Y	
			31,454	31,454		Y	Y	
			35,700	30,700	5,000	Y	Y	
			34,400	14,100	20,300	Y	Y	
			34,500	30,500	4,000	Y	Y	
05. Less than 50,000			46,970	46,970		Y		
			41,000	41,000		Y		
			41,000	41,000		Y	Y	
			41,000	41,000		Y	Y	

REPORT FOCUS

- Minimal Student Detail
- BEN / GL detail not included
- PLS Detail (Gross Amount only)
- GF Allocations Detail not included
- Future merging (NGSS, future report deprecation)

Data Warehouse Student Data Users Group

Wrap Up

- Questions on any topics presented today?
- Other topics / Suggestions for future meeting topics?