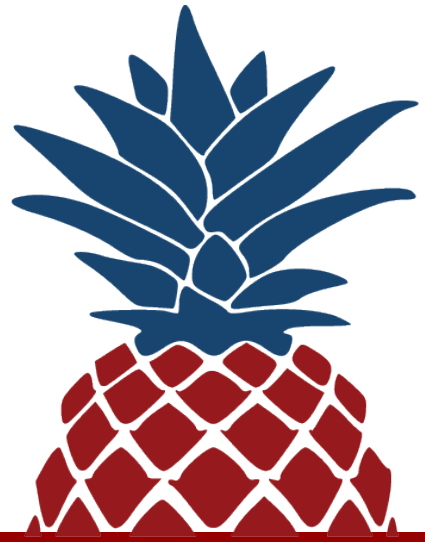
Paper 163-2019
A Collection of Maintenance-Free SAS® Web Report Studio Reports



Carlos Piemonti
University of Central Florida

SESUG 2019
WILLIAMSBURG, VA
OCTOBER 20-22

Presenter

Carlos Piemonti

Decision Support Developer, UCF

Carlos Piemonti joined Institutional Knowledge Management (IKM) at the University of Central Florida in Fall 2013. Carlos uses SAS® in his daily responsibilities as developer. He has used SAS for more than 9 years.

UCF

Challenge

- Design
  - Maintenance-free
    - 11 reports, 67 tabs, 406 indicators*, 3 information maps
    - Plus titles and footnotes
    - Rolling forward a year: section filters vs. info maps and lookup table
  - Fit on one screen
    - looking after users with tablets
- Technical
  - SAS® Web Report Studio vs. browser issues - text boxes errors

Password protected environment

SDES Dashboards *Shared: SDES Consumers*

Click here to refresh collection.

SDES Dashboard - Fall Enrollment.srx

UCF level content - Fall Enrollment by Gender and Residency, by Ethnicity, and by College. Linked also with Undergrad, Graduate, and Medical level content reports

SDES Dashboard - New Students.srx

University level content - New Students by Admit Type, by Gender, by Ethnicity, and by Semester. Linked also with Undergrad, Graduate, and Medical level content reports

SDES Dashboard - FTIC Retention, Graduation, Progression.srx

First Time In College for 'Summer-Fall Full-Time', 'Summer-Fall All', and 'Fall Full-Time' cohorts. Retention, Graduation, and Progression reports, by Gender and by Ethnicity

SDES Dashboard - FCS Transfer Retentn, Graduatn, Prgrssn.srx

FCS Transfer for 'Summer-Fall Full-Time', 'Summer-Fall All', and 'Fall Full-Time' cohorts. Retention, Graduation, and Progression reports, by Gender and by Ethnicity

SDES Dashboard - Other Transfer RGP.srx

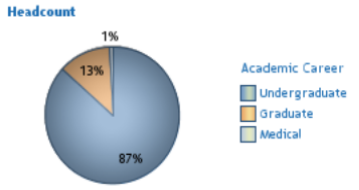
Other Transfer for 'Summer-Fall All' and 'Fall Full-Time' cohorts. Retention, Graduation, and Progression reports, by Gender and by Ethnicity

SDES Dashboard - Fall Enrollment

File Edit View Data | Edit | View | 1 /3

by Gender and Residency | by Ethnicity | by College

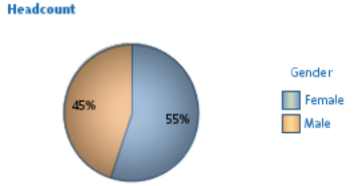
Fall 2016



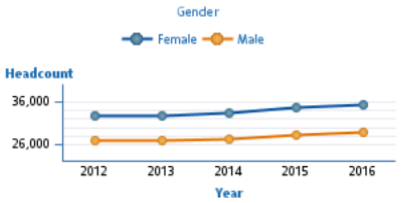
Fall UCF Enrollment by Career

	Headcount				
Year	2012	2013	2014	2015	2016
Academic Career					
Undergraduate	50,982	51,298	52,536	54,527	55,783
Graduate	8,526	8,121	7,865	8,029	8,075
Medical	277	351	420	460	477
Total	59,785	59,770	60,821	63,016	64,335

Fall 2016

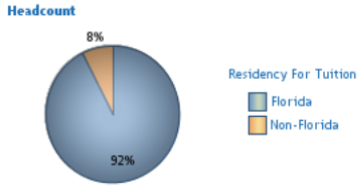


Fall UCF Enrollment by Gender

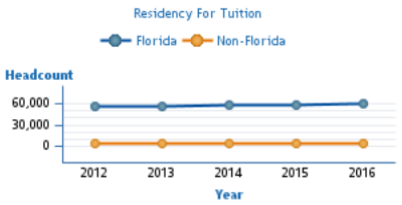


	Headcount				
Year	2012	2013	2014	2015	2016
Gender					
Female	32,898	32,827	33,500	34,708	35,297
Male	26,887	26,943	27,321	28,308	29,038
Total	59,785	59,770	60,821	63,016	64,335

Fall 2016



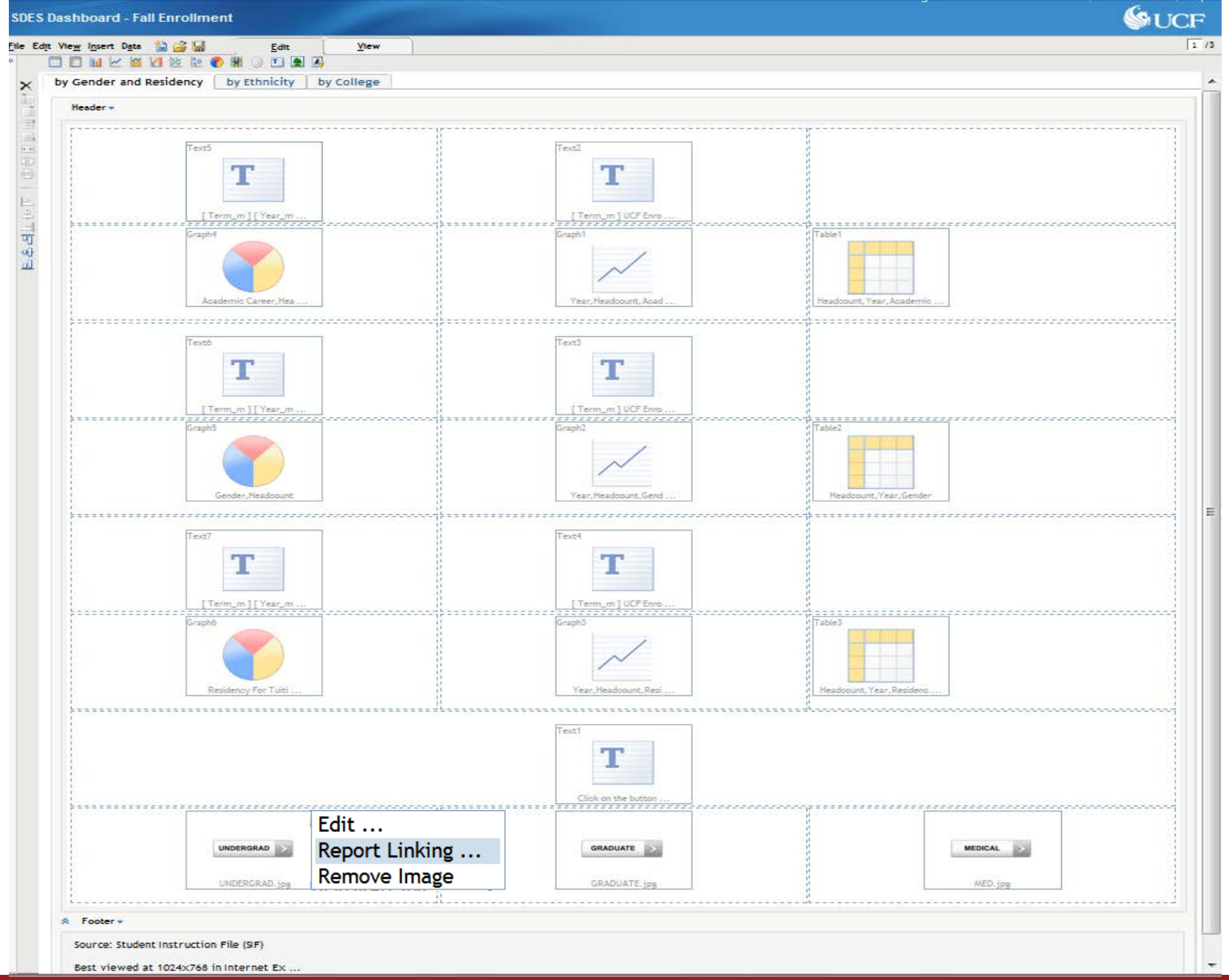
Fall UCF Enrollment by Residency

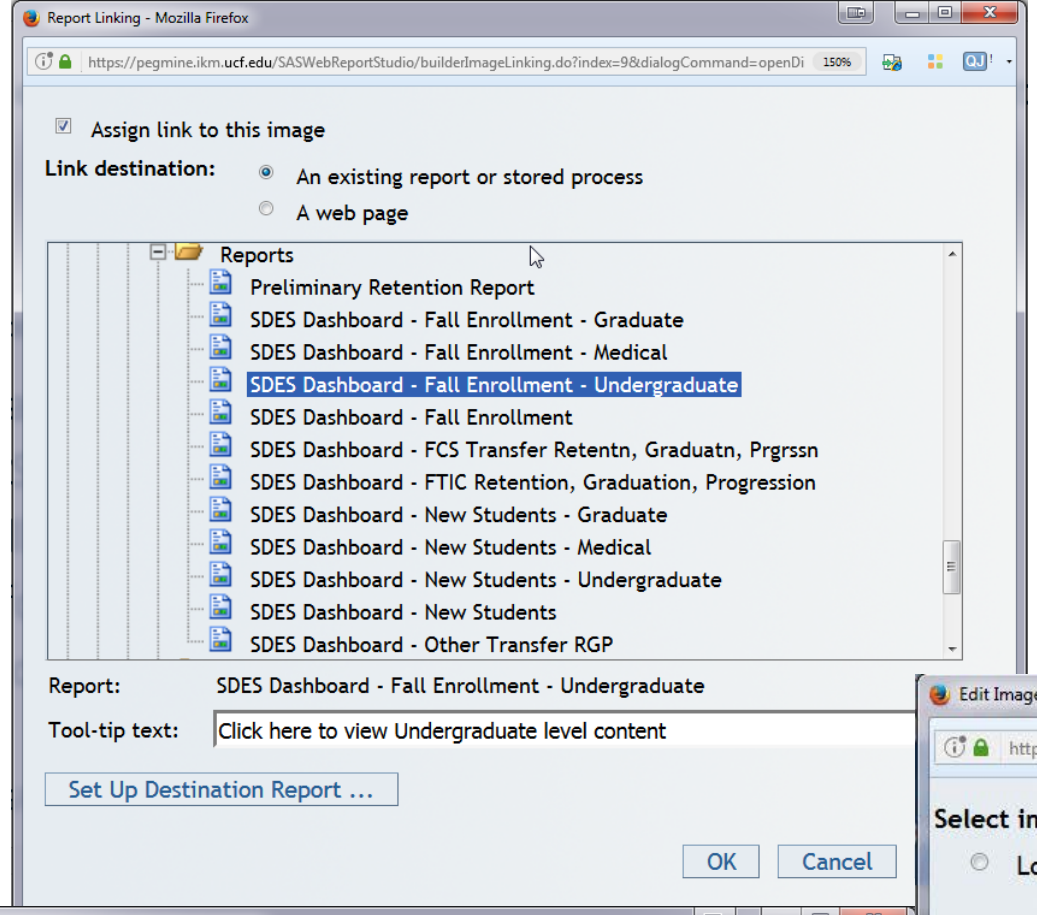


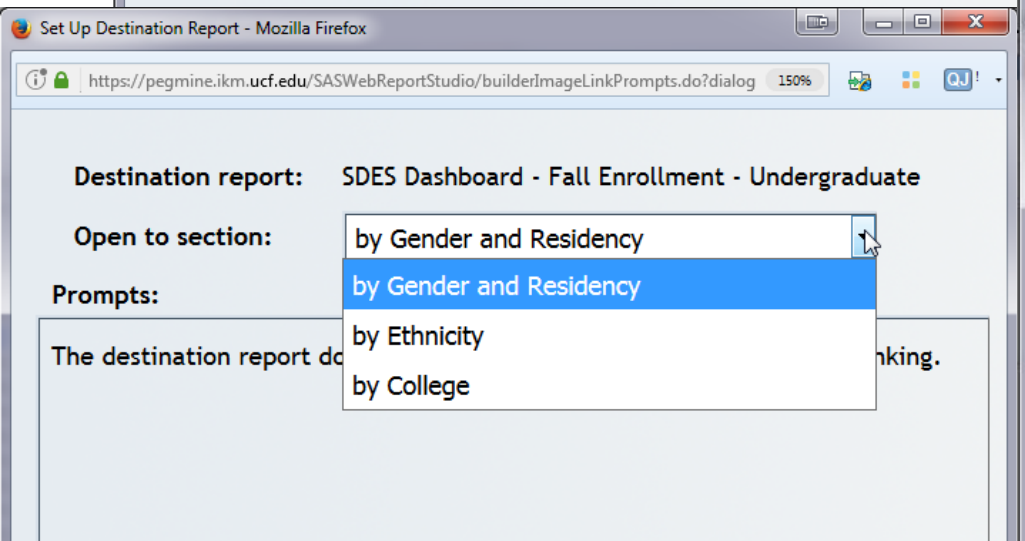
	Headcount				
Year	2012	2013	2014	2015	2016
Residency For Tuition					
Florida	56,727	56,605	57,233	58,808	59,503
Non-Florida	3,058	3,165	3,588	4,208	4,832
Total	59,785	59,770	60,821	63,016	64,335

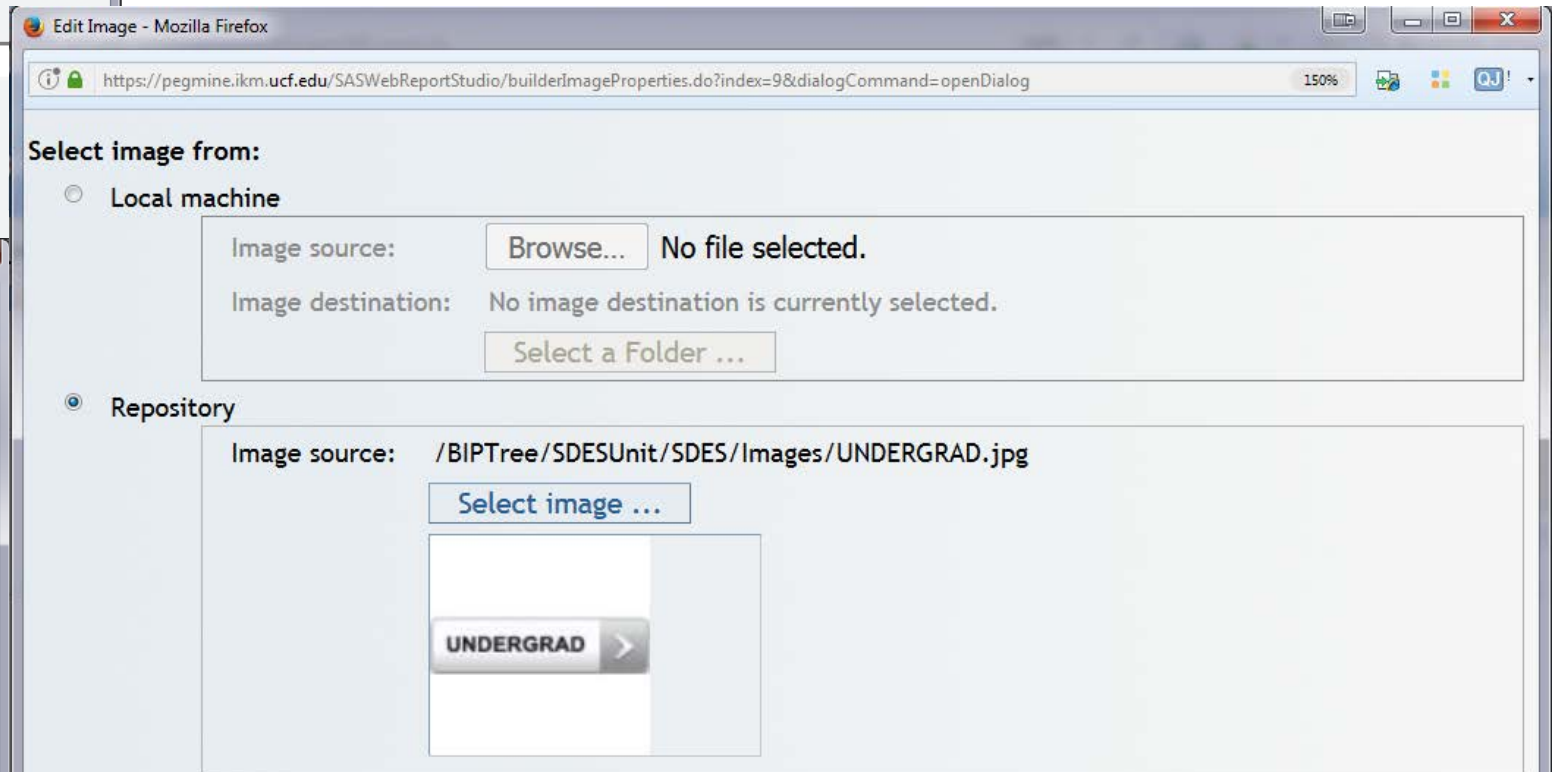
Click on the buttons below to access other reports

UNDERGRAD | GRADUATE | MEDICAL

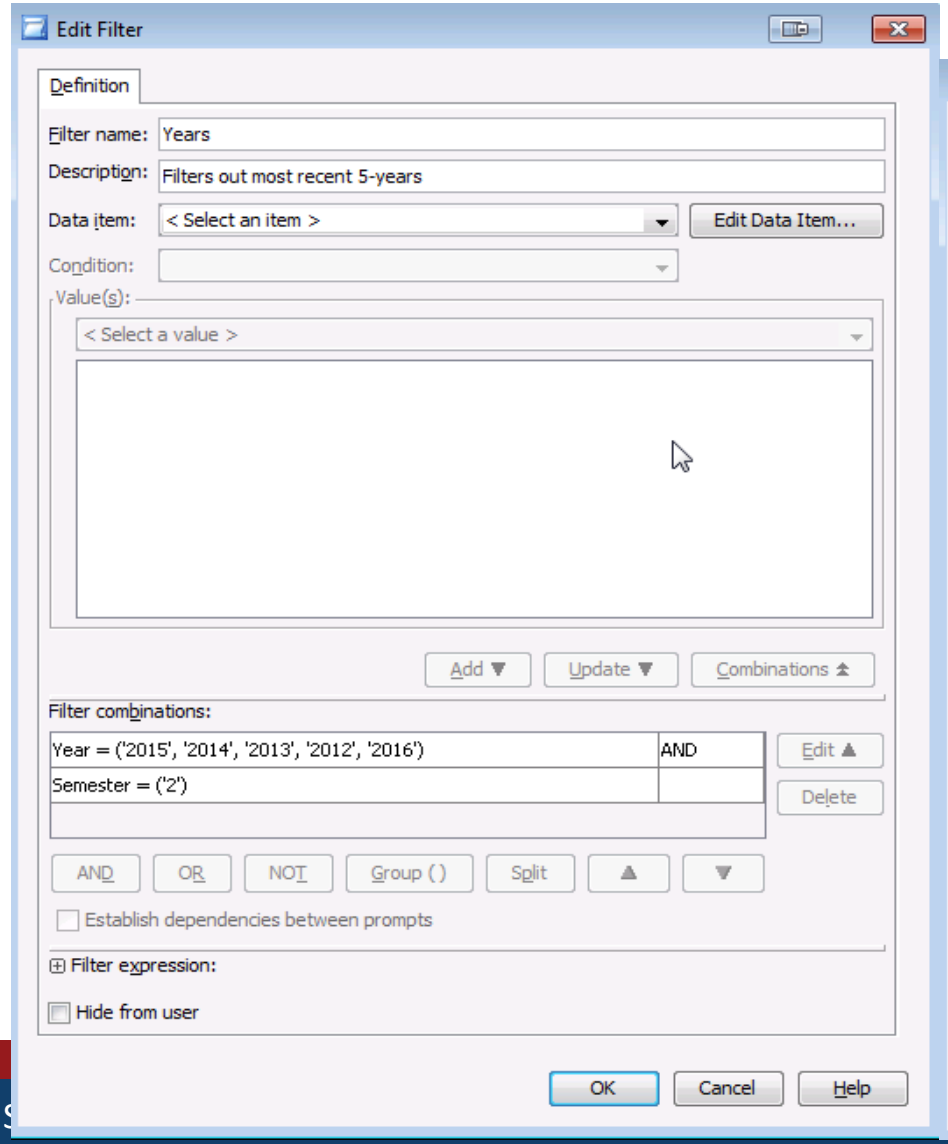

SDES Dashboard - Fall Enrollment
UCF
File Edit View Insert Data
Edit
View
by Gender and Residency
by Ethnicity
by College
Header
Text5
Text2
Graph4
Academic Career,Hea ...
Graph1
Year,Headcount,Acad ...
Table1
Headcount,Year,Academic ...
Text6
Text3
Graph5
Gender,Headcount
Graph2
Year,Headcount,Gend ...
Table2
Headcount,Year,Gender
Text7
Text4
Graph6
Residency For Tuiti ...
Graph3
Year,Headcount,Resi ...
Table3
Headcount,Year,Residency ...
Text1
Click on the button ...
UNDERGRAD
UNDERGRAD.jpg
Edit ...
Report Linking ...
Remove Image
GRADUATE
GRADUATE.jpg
MEDICAL
MED.jpg
Footer
Source: Student Instruction File (SIF)
Best viewed at 1024x768 in Internet Ex ...

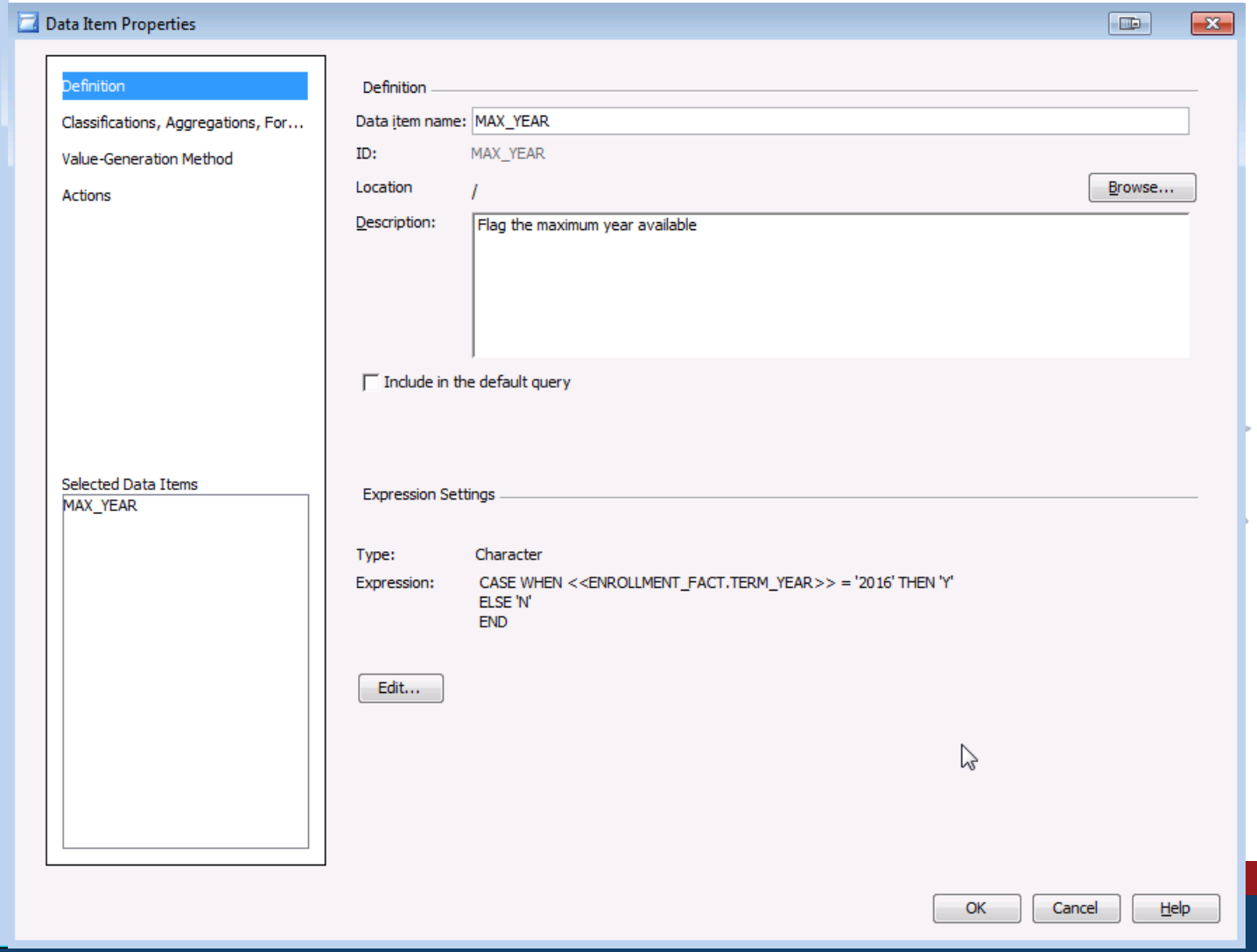

Report Linking - Mozilla Firefox
https://pegmine.ikm.ucf.edu/SASWebReportStudio/builderImageLinking.do?index=9&dialogCommand=openDi
150%
Assign link to this image
Link destination:
An existing report or stored process
A web page
Reports
Preliminary Retention Report
SDES Dashboard - Fall Enrollment - Graduate
SDES Dashboard - Fall Enrollment - Medical
SDES Dashboard - Fall Enrollment - Undergraduate
SDES Dashboard - Fall Enrollment
SDES Dashboard - FCS Transfer Retentn, Graduatn, Prgrssn
SDES Dashboard - FTIC Retention, Graduation, Progression
SDES Dashboard - New Students - Graduate
SDES Dashboard - New Students - Medical
SDES Dashboard - New Students - Undergraduate
SDES Dashboard - New Students
SDES Dashboard - Other Transfer RGP
Report:
SDES Dashboard - Fall Enrollment - Undergraduate
Tool-tip text:
Click here to view Undergraduate level content
Set Up Destination Report ...
OK
Cancel


Set Up Destination Report - Mozilla Firefox
https://pegmine.ikm.ucf.edu/SASWebReportStudio/builderImageLinkPrompts.do?dialog
150%
Destination report:
SDES Dashboard - Fall Enrollment - Undergraduate
Open to section:
by Gender and Residency
by Gender and Residency
by Ethnicity
by College
Prompts:
The destination report do
nking.


Edit Image - Mozilla Firefox
https://pegmine.ikm.ucf.edu/SASWebReportStudio/builderImageProperties.do?index=9&dialogCommand=openDialog
150%
Select image from:
Local machine
Image source:
Browse...
No file selected.
Image destination:
No image destination is currently selected.
Select a Folder ...
Repository
Image source:
/BIPTree/SDESUnit/SDES/Images/UNDERGRAD.jpg
Select image ...
UNDERGRAD

Information map maintenance





SDES Dashboards

Shared: SDES Consumers

Click here to refresh collection.

SDES Dashboard - Fall Enrollment.srx

UCF level content - Fall Enrollment by Gender and Residency, by Ethnicity, and by College. Linked also with Undergrad, Graduate, and Medical level content reports

SDES Dashboard - New Students.srx

University level content - New Students by Admit Type, by Gender, by Ethnicity, and by Semester. Linked also with Undergrad, Graduate, and Medical level content reports

SDES Dashboard - FTIC Retention, Graduation, Progression.srx

First Time In College for 'Summer-Fall Full-Time', 'Summer-Fall All', and 'Fall Full-Time' cohorts. Retention, Graduation, and Progression reports, by Gender and by Ethnicity

SDES Dashboard - FCS Transfer Retentn, Graduatn, Prgrssn.srx

FCS Transfer for 'Summer-Fall Full-Time', 'Summer-Fall All', and 'Fall Full-Time' cohorts. Retention, Graduation, and Progression reports, by Gender and by Ethnicity

SDES Dashboard - Other Transfer RGP.srx

Other Transfer for 'Summer-Fall All' and 'Fall Full-Time' cohorts. Retention, Graduation, and Progression reports, by Gender and by Ethnicity

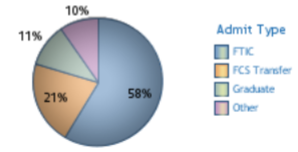
SDES Dashboard - New Students

File Edit View Data | Edit | View | 1 /8

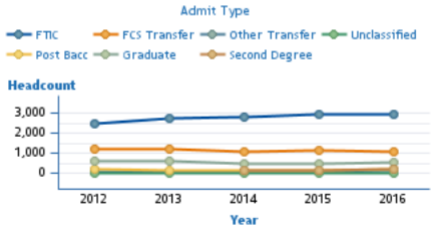
by Admit Type | by Gender: Summer | Fall Gdr | Spring Gdr | by Ethnicity: Summer | Fall Eth | Spring Eth | by Semester

Summer 2016

Headcount



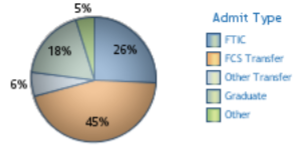
Summer UCF New Enrollment



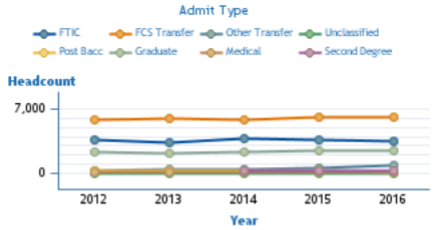
Semester	Headcount Summer				
Year	2012	2013	2014	2015	2016
Admit Type					
FTIC	2,491	2,732	2,768	2,902	2,923
FCS Transfer	1,179	1,167	1,093	1,108	1,055
Other Transfer	75	84	84	96	139
Unclassified	3	8	9	5	7
Post Bacc	205	148	152	154	169
Graduate	619	571	469	477	528
Second Degree	.	.	162	160	176
Total	4,572	4,710	4,737	4,902	4,997

Fall 2016

Headcount



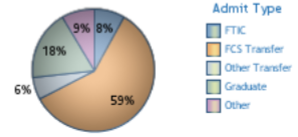
Fall UCF New Enrollment



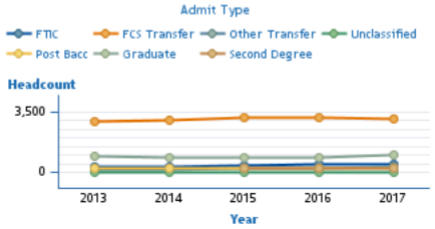
Semester	Headcount Fall				
Year	2012	2013	2014	2015	2016
Admit Type					
FTIC	3,638	3,378	3,745	3,716	3,536
FCS Transfer	5,825	5,951	5,789	6,132	6,124
Other Transfer	285	496	510	645	834
Unclassified	26	21	21	36	25
Post Bacc	344	295	301	327	212
Graduate	2,334	2,138	2,318	2,419	2,509
Medical	100	118	120	121	117
Second Degree	.	.	325	291	291
Total	12,552	12,397	13,129	13,687	13,648

Spring 2017

Headcount



Spring UCF New Enrollment



Semester	Headcount Spring				
Year	2013	2014	2015	2016	2017
Admit Type					
FTIC	307	345	412	479	442
FCS Transfer	2,947	3,062	3,193	3,201	3,139
Other Transfer	141	170	206	246	314
Unclassified	3	1	1	3	4
Post Bacc	213	239	246	202	240
Graduate	912	828	872	891	983
Second Degree	.	.	218	234	210
Total	4,523	4,645	5,148	5,256	5,332

SDES Dashboards *Shared: SDES Consumers*

Click here to refresh collection.

SDES Dashboard - Fall Enrollment.srx

UCF level content - Fall Enrollment by Gender and Residency, by Ethnicity, and by College. Linked also with Undergrad, Graduate, and Medical level content reports

SDES Dashboard - New Students.srx

University level content - New Students by Admit Type, by Gender, by Ethnicity, and by Semester. Linked also with Undergrad, Graduate, and Medical level content reports

SDES Dashboard - FTIC Retention, Graduation, Progression.srx

First Time In College for 'Summer-Fall Full-Time', 'Summer-Fall All', and 'Fall Full-Time' cohorts. Retention, Graduation, and Progression reports, by Gender and by Ethnicity

SDES Dashboard - FCS Transfer Retentn, Graduatn, Prgrssn.srx

FCS Transfer for 'Summer-Fall Full-Time', 'Summer-Fall All', and 'Fall Full-Time' cohorts. Retention, Graduation, and Progression reports, by Gender and by Ethnicity

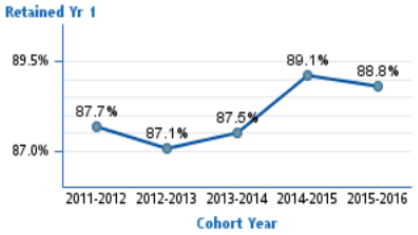
SDES Dashboard - Other Transfer RGP.srx

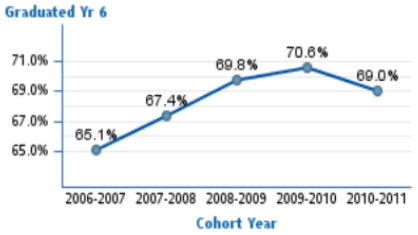
Other Transfer for 'Summer-Fall All' and 'Fall Full-Time' cohorts. Retention, Graduation, and Progression reports, by Gender and by Ethnicity

File Edit View Data Edit View 1 /9

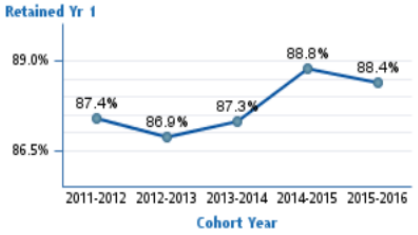
FTIC | Su-Fa FT RGP | Su-Fa All RGP | Fa FT RGP | Su-Fa FT RGdrEth | Su-Fa FT G4GdrEth | Su-Fa FT G6GdrEth | Su-Fa FT Eth | Su-Fa All Eth

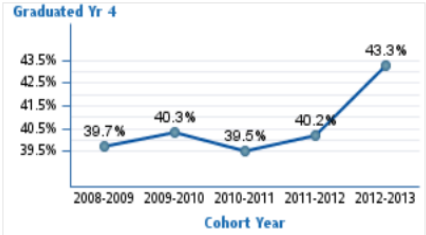
Summer–Fall Full–Time FTIC, 1st Year Retention, 4th and 6th Year Graduation Rates

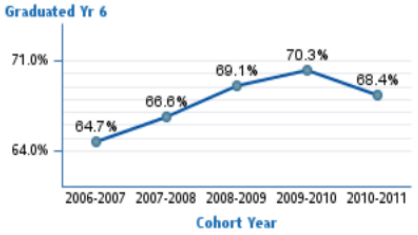




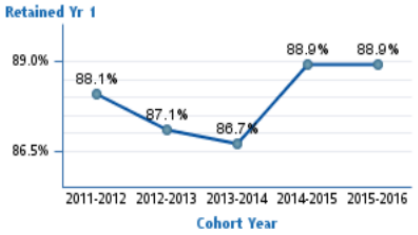
Summer–Fall All FTIC, 1st Year Retention, 4th and 6th Year Graduation Rates

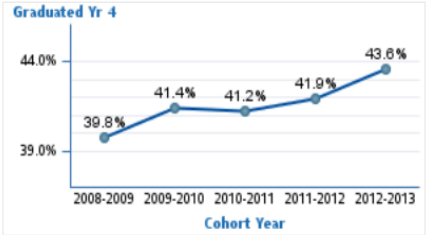


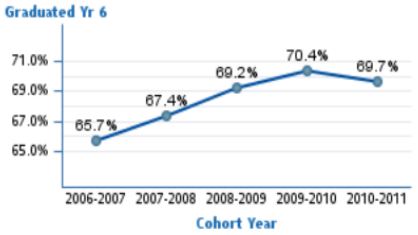




Fall Full–Time FTIC, 1st Year Retention, 4th and 6th Year Graduation Rates





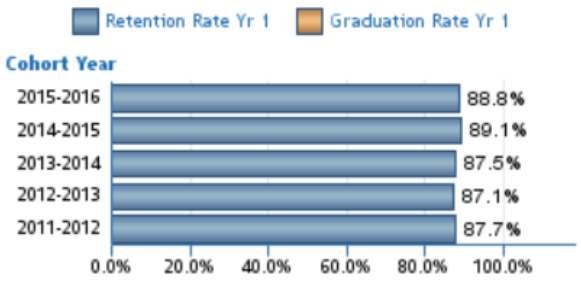


Source: Retention_Fact. **Summer–Fall Full–Time** cohort used for the Performance Incentive Matrix, **Summer–Fall All** cohort used for the Annual Report, and **Fall Full–Time** cohort kept as historical record

File Edit View Data Edit View 2 /9

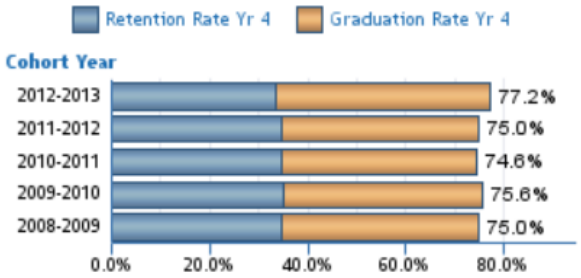
FTIC | Su-Fa FT RGP | Su-Fa All RGP | Fa FT RGP | Su-Fa FT RGdrEth | Su-Fa FT G4GdrEth | Su-Fa FT G6GdrEth | Su-Fa FT Eth | Su-Fa All Eth

Summer–Fall Full–Time FTIC, 1st Year Retention and Progression



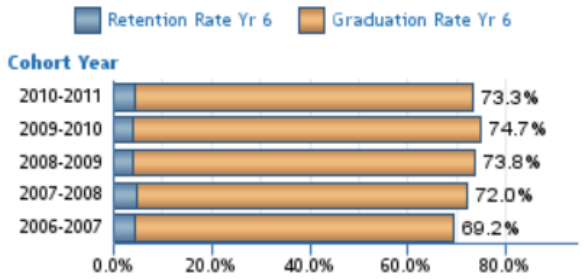
Cohort Year	Cohort Count	Retention Count Yr 1	Retention Rate Yr 1	Graduation Count Yr 1	Graduation Rate Yr 1	First Year Progression Count	First Year Progression Rate
2015–2016	6,294	5,589	88.8%	0	0.0%	5,589	88.8%
2014–2015	6,206	5,531	89.1%	0	0.0%	5,531	89.1%
2013–2014	5,815	5,088	87.5%	0	0.0%	5,088	87.5%
2012–2013	5,900	5,139	87.1%	0	0.0%	5,139	87.1%
2011–2012	6,138	5,386	87.7%	0	0.0%	5,386	87.7%

Summer–Fall Full–Time FTIC, 4th Year Graduation and Progression



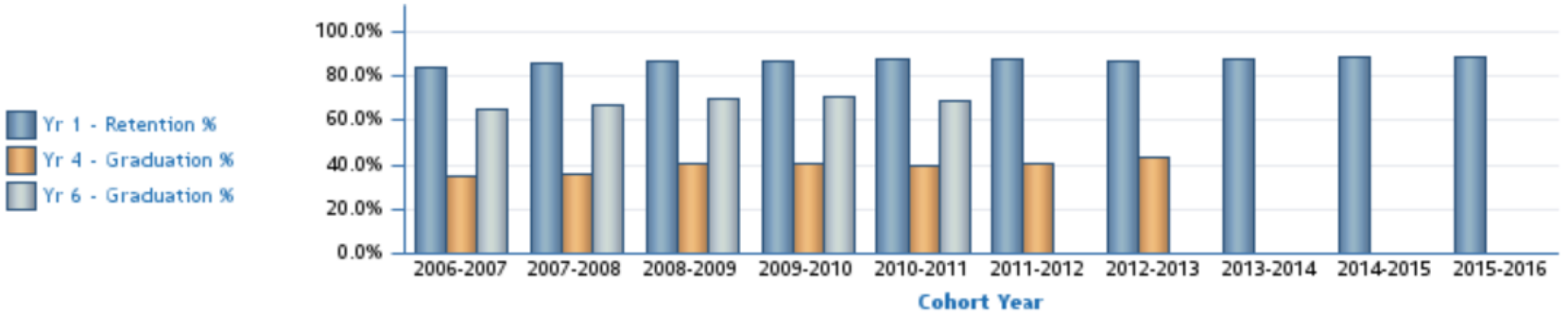
Cohort Year	Cohort Count	Retention Count Yr 4	Retention Rate Yr 4	Graduation Count Yr 4	Graduation Rate Yr 4	Fourth Year Progression Count	Fourth Year Progression Rate
2012–2013	5,900	1,982	33.6%	2,575	43.6%	4,557	77.2%
2011–2012	6,138	2,123	34.6%	2,480	40.4%	4,603	75.0%
2010–2011	6,007	2,076	34.6%	2,400	40.0%	4,476	74.5%
2009–2010	6,231	2,185	35.1%	2,525	40.5%	4,710	75.6%
2008–2009	6,133	2,132	34.8%	2,463	40.2%	4,595	74.9%

Summer–Fall Full–Time FTIC, 6th Year Graduation and Progression



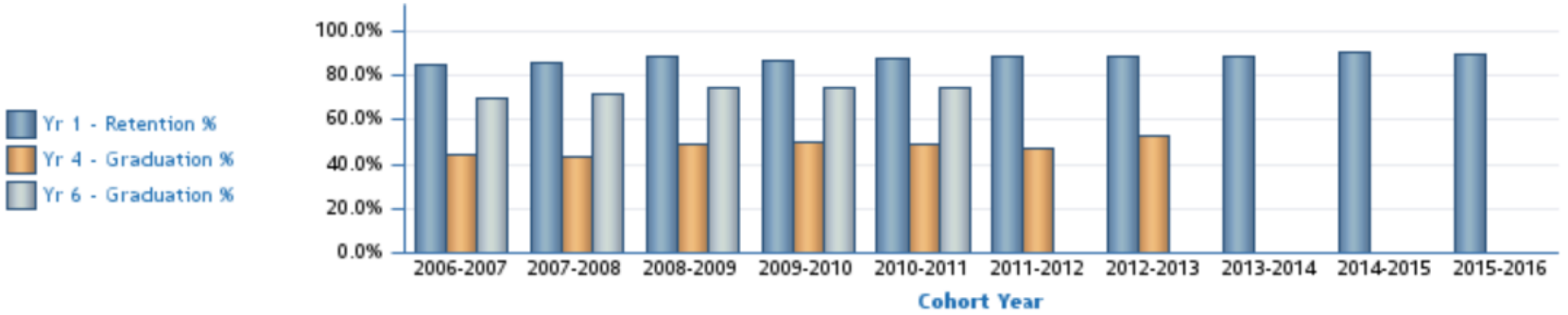
Cohort Year	Cohort Count	Retention Count Yr 6	Retention Rate Yr 6	Graduation Count Yr 6	Graduation Rate Yr 6	Sixth Year Progression Count	Sixth Year Progression Rate
2010–2011	6,007	256	4.3%	4,143	69.0%	4,399	73.2%
2009–2010	6,231	255	4.1%	4,399	70.6%	4,654	74.7%
2008–2009	6,133	246	4.0%	4,278	69.8%	4,524	73.8%
2007–2008	6,342	290	4.6%	4,272	67.4%	4,562	71.9%
2006–2007	6,377	264	4.1%	4,152	65.1%	4,416	69.2%

Summer–Fall Full–Time FTIC, Male and Female, All Ethnic Groups



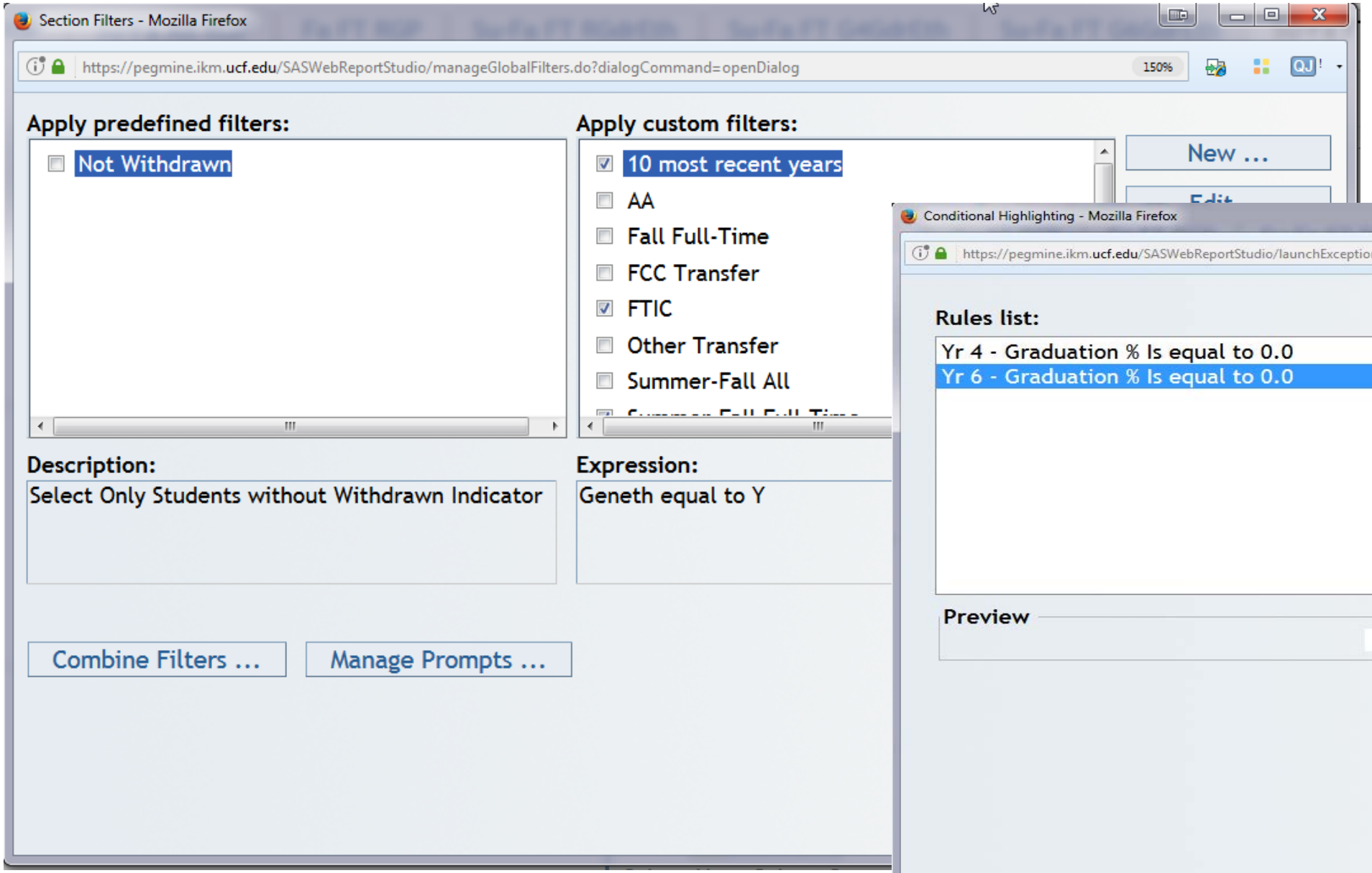
Cohort Year	2006–2007	2007–2008	2008–2009	2009–2010	2010–2011	2011–2012	2012–2013	2013–2014	2014–2015	2015–2016
Cohort Count	6,377	6,342	6,133	6,231	6,007	6,138	5,900	5,815	6,206	6,294
Yr 1 – Retention %	83.9%	85.6%	87.1%	86.8%	87.3%	87.7%	87.1%	87.5%	89.1%	88.8%
Yr 4 – Graduation %	35.3%	35.9%	40.2%	40.5%	40.0%	40.4%	43.6%			
Yr 6 – Graduation %	65.1%	67.4%	69.8%	70.6%	69.0%					

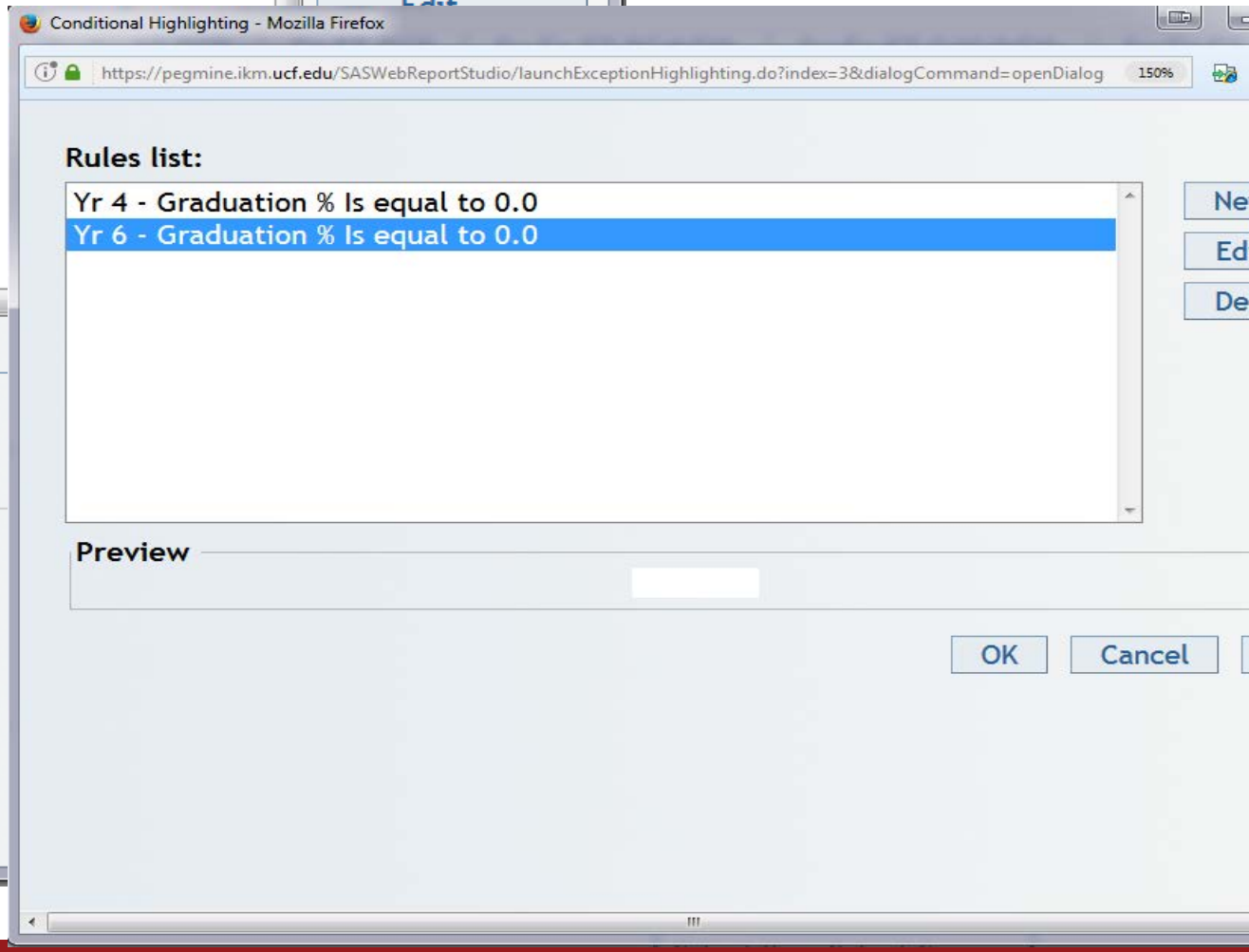
Summer–Fall Full–Time FTIC, Female, All Ethnic Groups



External lookup table - maintenance

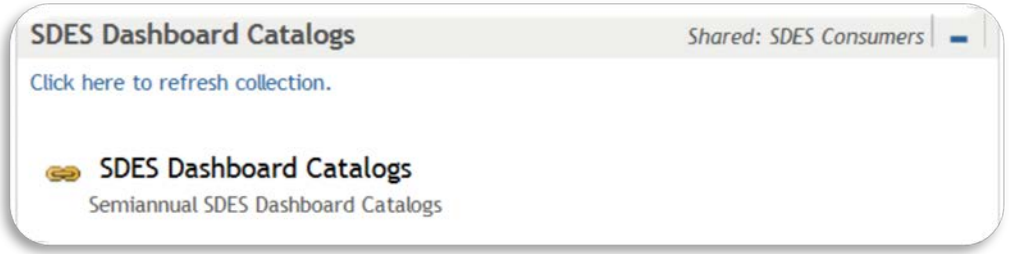
	CohortYear	RetainYr1	RetainYr2	GradYr4	GradYr5	GradYr6	GenEth	RetainAvgYr1	RetainAvgYr2	GradAvgYr4	GradAvgYr6
1	2005-2006										
2	2006-2007					Y	Y	Y	Y	Y	Y
3	2007-2008				Y	Y	Y	Y	Y	Y	Y
4	2008-2009			Y	Y	Y	Y	Y	Y	Y	Y
5	2009-2010			Y	Y	Y	Y	Y	Y	Y	Y
6	2010-2011		Y	Y	Y	Y	Y	Y	Y	Y	Y
7	2011-2012	Y	Y	Y	Y		Y	Y	Y	Y	Y
8	2012-2013	Y	Y	Y			Y	Y	Y	Y	
9	2013-2014	Y	Y				Y	Y	Y	Y	
10	2014-2015	Y	Y				Y	Y	Y		
11	2015-2016	Y					Y	Y			
12	2016-2017										
13	2017-2018										
14	2018-2019										
15	2019-2020										


Section Filters - Mozilla Firefox
https://pegmine.ikm.ucf.edu/SASWebReportStudio/manageGlobalFilters.do?dialogCommand=openDialog
150%
Apply predefined filters:
Not Withdrawn
Apply custom filters:
10 most recent years
AA
Fall Full-Time
FCC Transfer
FTIC
Other Transfer
Summer-Fall All
New ...
Description:
Select Only Students without Withdrawn Indicator
Expression:
Geneth equal to Y
Combine Filters ...
Manage Prompts ...


Conditional Highlighting - Mozilla Firefox
https://pegmine.ikm.ucf.edu/SASWebReportStudio/launchExceptionHighlighting.do?index=3&dialogCommand=openDialog
150%
Rules list:
Yr 4 - Graduation % Is equal to 0.0
Yr 6 - Graduation % Is equal to 0.0
Preview
OK
Cancel

Performance

- Sections loading in less than 30 seconds
  - The most intensive section loads in approx. 20 to 30 seconds
  - The rest of sections load in 5 seconds or less



SDES Dashboard Catalogs

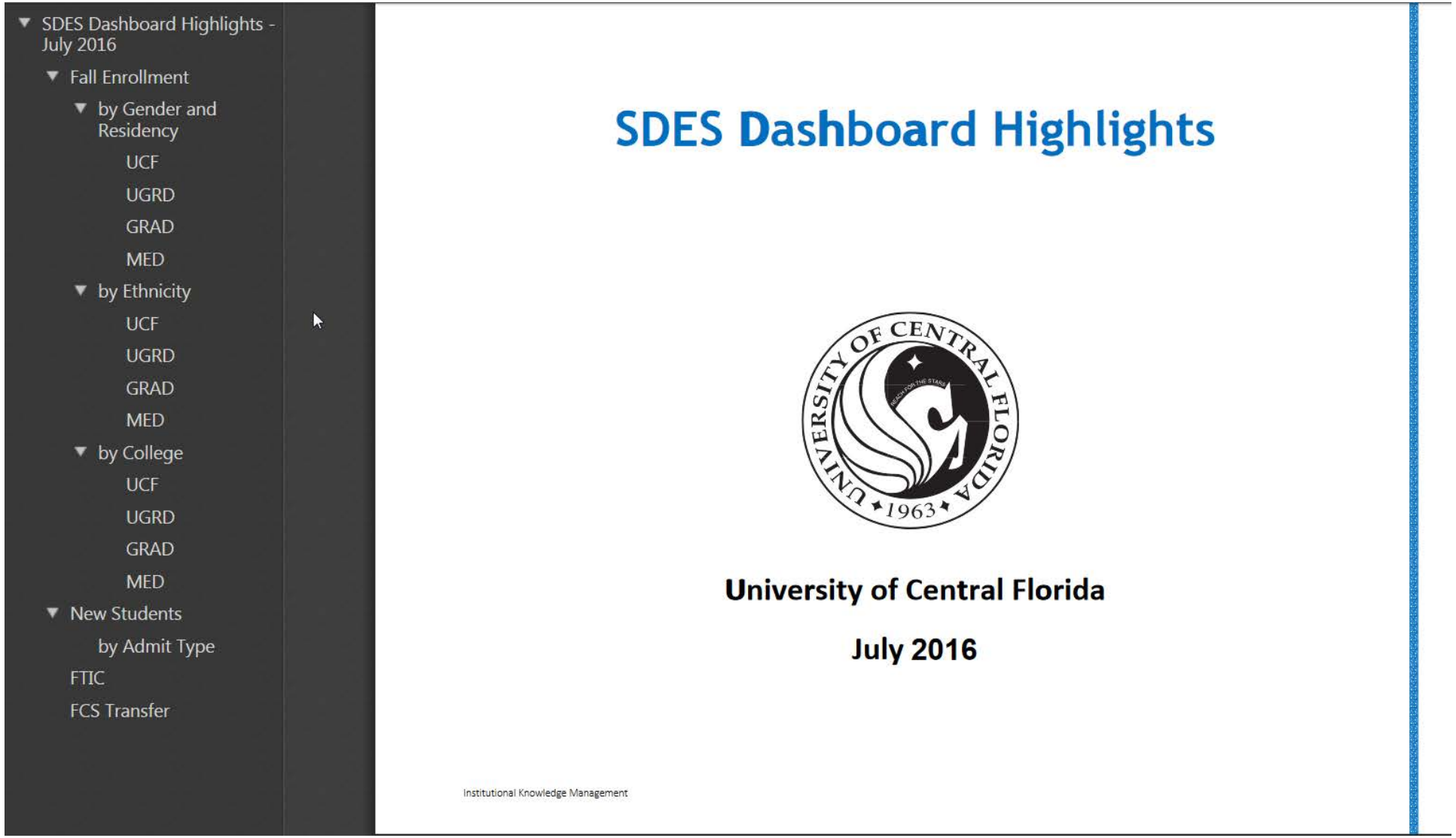
Provided by Institutional Knowledge Management

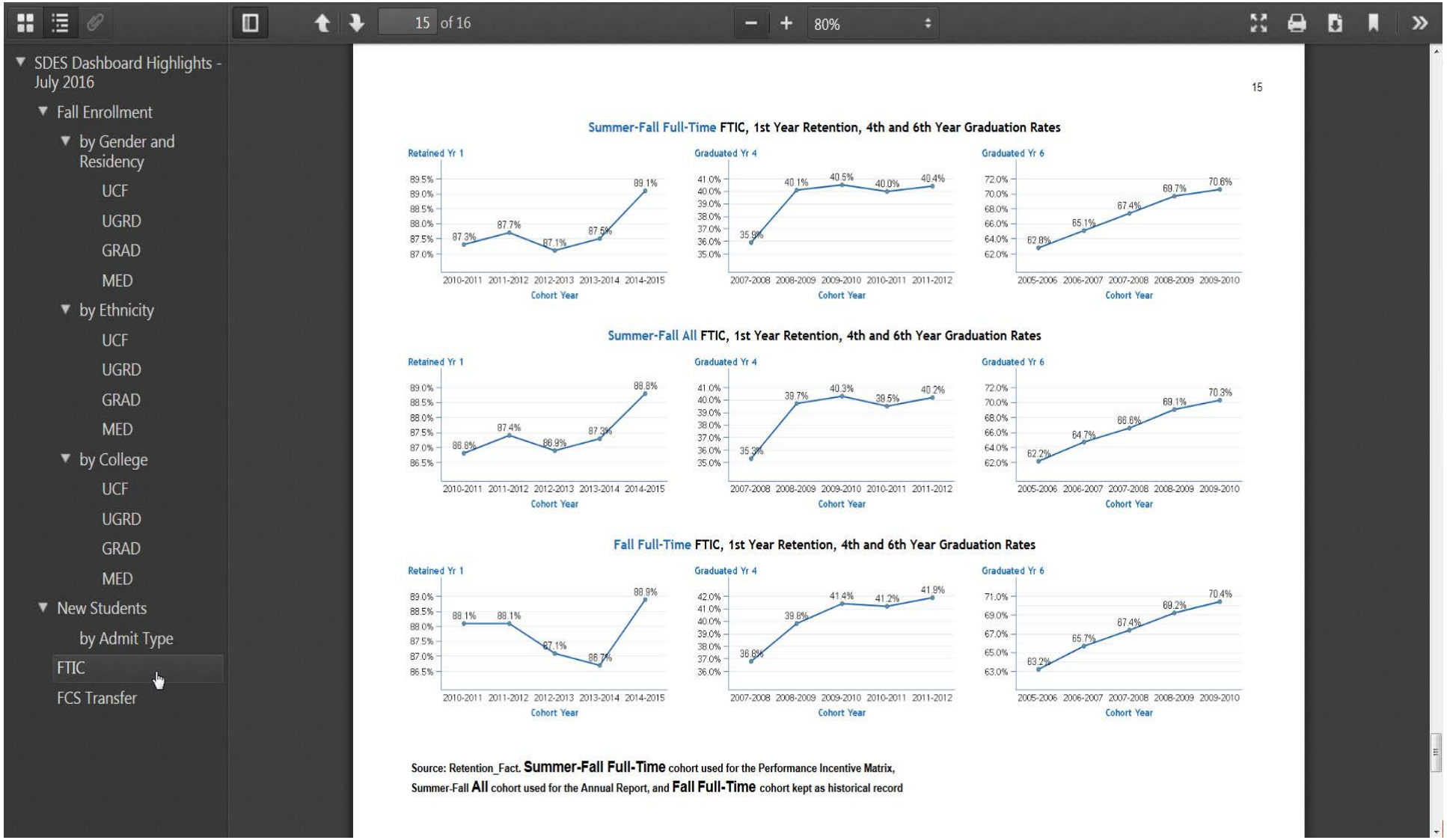
Bookmark Publish E-mail

Semiannual SDES Dashboard Catalogs

Note: Catalog will open in a new browser window (PDF)

- 2016-2017
- 2015-2016
  - July 2016 - Catalog
  - July 2016 - Highlights
  - 03 2016 - Highlights
- 2014-2015
- 2013-2014
- 2012-2013
- 2011-2012
- 2010-2011


SDES Dashboard Highlights - July 2016
Fall Enrollment
by Gender and Residency
UCF
UGRD
GRAD
MED
by Ethnicity
UCF
UGRD
GRAD
MED
by College
UCF
UGRD
GRAD
MED
New Students
by Admit Type
FTIC
FCS Transfer
SDES Dashboard Highlights
University of Central Florida
July 2016
Institutional Knowledge Management


15 of 16
80%
SDES Dashboard Highlights - July 2016
Fall Enrollment
by Gender and Residency
UCF
UGRD
GRAD
MED
by Ethnicity
UCF
UGRD
GRAD
MED
by College
UCF
UGRD
GRAD
MED
New Students
by Admit Type
FTIC
FCS Transfer
15
Summer-Fall Full-Time FTIC, 1st Year Retention, 4th and 6th Year Graduation Rates
Retained Yr 1
87.3% 87.7% 87.1% 87.5% 89.1%
2010-2011 2011-2012 2012-2013 2013-2014 2014-2015
Cohort Year
Graduated Yr 4
35.9% 40.1% 40.5% 40.0% 40.4%
2007-2008 2008-2009 2009-2010 2010-2011 2011-2012
Cohort Year
Graduated Yr 6
62.8% 65.1% 67.4% 69.7% 70.6%
2005-2006 2006-2007 2007-2008 2008-2009 2009-2010
Cohort Year
Summer-Fall All FTIC, 1st Year Retention, 4th and 6th Year Graduation Rates
Retained Yr 1
86.8% 87.4% 86.9% 87.3% 88.8%
2010-2011 2011-2012 2012-2013 2013-2014 2014-2015
Cohort Year
Graduated Yr 4
35.3% 39.7% 40.3% 39.5% 40.2%
2007-2008 2008-2009 2009-2010 2010-2011 2011-2012
Cohort Year
Graduated Yr 6
62.2% 64.7% 66.6% 69.1% 70.3%
2005-2006 2006-2007 2007-2008 2008-2009 2009-2010
Cohort Year
Fall Full-Time FTIC, 1st Year Retention, 4th and 6th Year Graduation Rates
Retained Yr 1
88.1% 88.1% 87.1% 86.7% 88.9%
2010-2011 2011-2012 2012-2013 2013-2014 2014-2015
Cohort Year
Graduated Yr 4
36.8% 39.8% 41.4% 41.2% 41.9%
2007-2008 2008-2009 2009-2010 2010-2011 2011-2012
Cohort Year
Graduated Yr 6
63.2% 65.7% 67.4% 69.2% 70.4%
2005-2006 2006-2007 2007-2008 2008-2009 2009-2010
Cohort Year
Source: Retention_Fact. Summer-Fall Full-Time cohort used for the Performance Incentive Matrix, Summer-Fall All cohort used for the Annual Report, and Fall Full-Time cohort kept as historical record

Conclusion

- Saved time and resources: from two months to a few hours in order to roll forward an academic year
- Able to provide consistent and reliable information: UCF official data
- Committed partnership between SDES and IKM
- More IKM partnerships after this successful flagship project

Thank you! Questions?

Carlos E. Piemonti, MBA
Decision Support Developer
Institutional Knowledge Management
University of Central Florida

Carlos.Piemonti@ucf.edu
ucf.edu