Get Your SAS to Work

Laura Wichman Brandon Moore, PhD McLennan Community College

Session Description

• Do you ever have a difficult time getting your SAS to work? If so, come see how we are using SAS to help our office be more efficient and effective! We will discuss and give examples of using Base SAS and Enterprise Guide for standard daily reports, ad hoc reports, state/federal reporting, and making work easier for you. If you have PC Base SAS, then you have access to the versatility in Enterprise Guide. Come by to see how to get your SAS to work!

Disclaimer...

 This is not a sales pitch for SAS or for Zogotech's Estudias data warehouse

Background

- Spring 2015 we purchased SAS
 - SPSS campus since at least the 1990s
 - Zogotech warehouse > Access based with SQL back end
 - Began recoding SPSS syntax and Access queries to SAS
- Brandon SAS experience from Graduate school
- Laura no SAS experience, but did have experience in SQL and some SPSS

Previously a SPSS Campus...

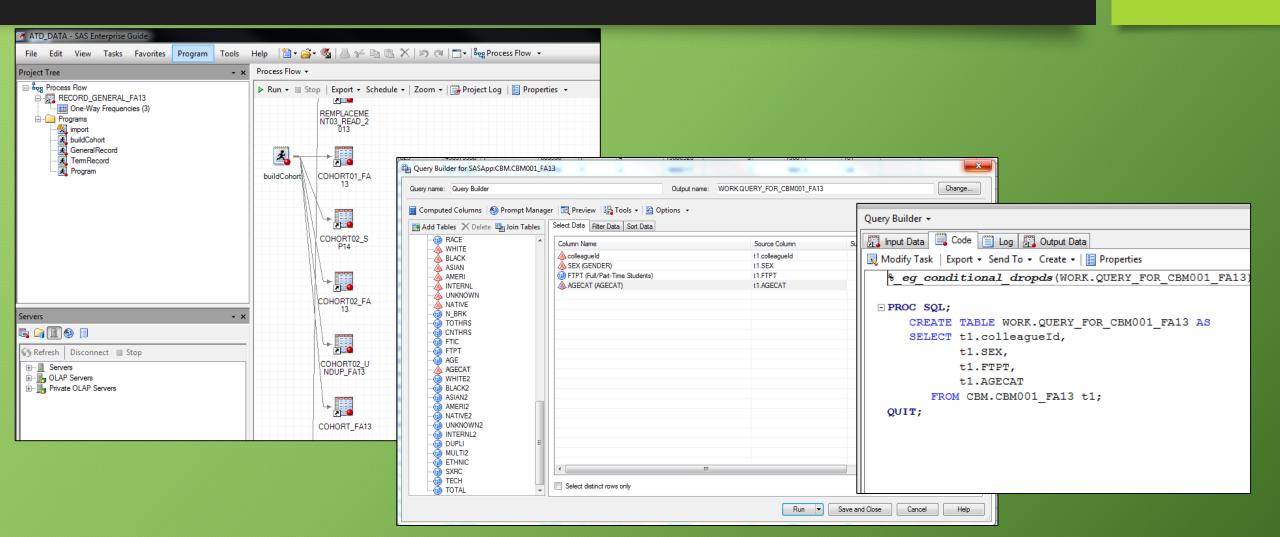
- CBM reporting
- IPEDS
- LBB Performance Report
- LBB Licensure Report
- Perkins Reporting
- Student Right to Know
- SACSCOC Profiles/Surveys
- TCCA Surveys--i.e. enrollment/census

- Grade Distribution Reports
- Course Evaluations
- Developmental Surveys
- Campus Report
- Ad Hoc reporting
- Student tracking
- Achieving the Dream (Access)
- Everything...

Data Sources

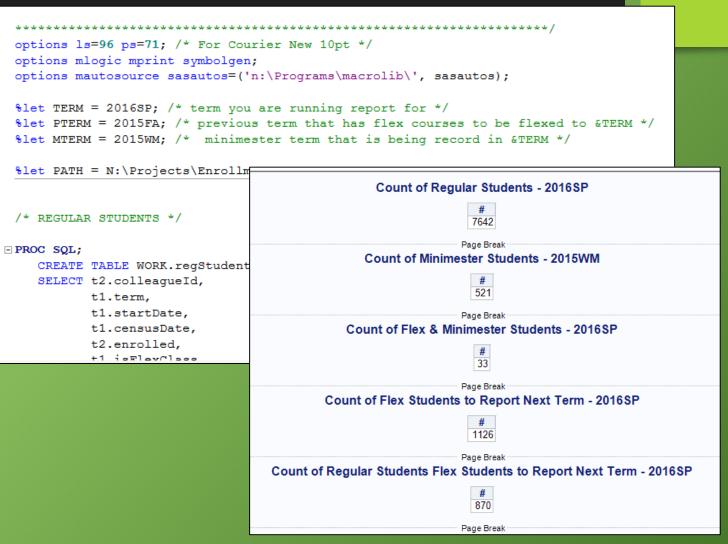
- Estudias
 - Data warehouse that has been in place since 2008
 - Access front end, SQL back end
- CBM
 - State reports going back to the dawn of time
- Ellucian/Colleague/Datatel///////
 - Anything we can download ©

Enterprise Guide

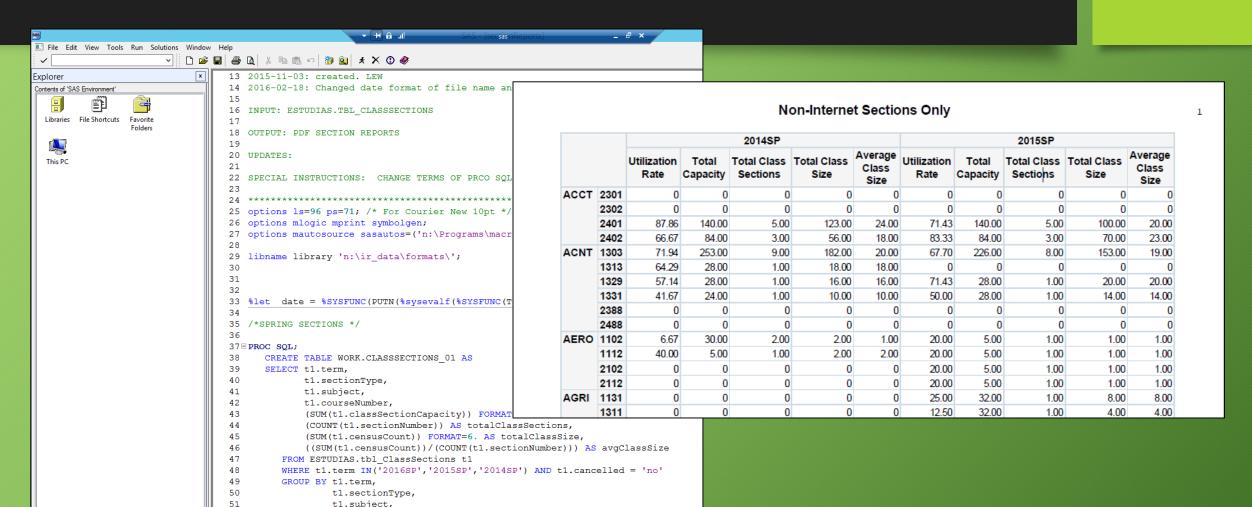


Daily Reports - Enrollment

• Enrollment reports went from a 5-step code process to a 2-step process.



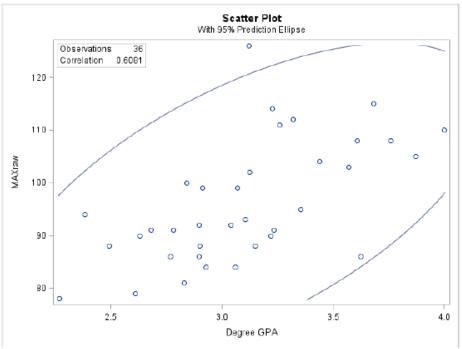
Daily Reports - Section Utilization



Ad Hoc Requests/Campus Reports

- Students lists
 - These are typically delivered in Excel or pdf tables
 - Majors at the University Center
 - Student Organizations
- Tracking
 - Developmental education
 - BIOL request
- Correlational Analysis for Workforce Programs

Table 7. Correlation of Degree GPA & Highest Raw Test Score - Test Dates - 08/01/2013 - 12/31/2014



Students' degree GPA and the raw score on of their highest scoring attempt on the National Board of Respiratory Care exam did show a correlation, r(36)=0.61, p=<0.0001.

Campus Reports

Grade Distribution

- Went from weeks of compiling
- Weeks of formatting
- Weeks of saving & distributing
 - To less than 1 hour from compiling to distribution

Dual Credit Analysis

- Beginning of semester report
- Grade distribution
- Financial analysis

Grade Distribution - Grade Categories (Fall 2015) Division Summary

	A, B		D. F.	or NCs	1		Total	
	#	ж	#	×	#	%	#	%
Allied Health & Nursing	2,193	92.1	97	4.0	90	3.7	2,380	100.0
Business Programs	2,173	69.3	398	12.6	564	17.9	3,135	100.0
Emergency Services Education	646	80.5	52	6.4	104	12.9	802	100.0
Human Services & Education	1,280	76.4	205	12.2	190	11.3	1,675	100.0
Language, Literature & Communications	2,769	66.4	710	17.0	686	16.4	4,165	100.0
Math, Sciences & Agriculture	4,252	60.6	1,880	26.8	875	12.4	7,007	100.0
Physical Education	582	90.2	18	2.7	45	6.9	645	100.0
Social & Behavioral Science	5,043	77.2	792	12.1	695	10.6	6,530	100.0
Visual & Performing Arts	1,543	77.5	261	13.1	185	9.3	1,989	100.0
Total	20,481	72.2	4,413	15.5	3,434	12.1	28,328	100.0

2014FA - Dual Credit Cost Analysis by Location

Location	Undup Headcount	Average Class Size		State Funding	Tuttion & Fees	Lab & Special Fees	Dual Credit Fee	Less Walvers	Revenue	Faculty Salary	Faculty Travel	Expenditures	Net Revenue	Net Excluding State Funding
	32	15	9	\$3,418.06	\$21,315.00	\$0.00	\$915.00	\$6,480.00	\$19,168.06	\$12,784.53	\$2,209.50	\$14,994.03	\$4,174.03	\$755.97
	99	16	12	\$7,846.27	\$48,960.00	\$66.00	\$2,029.50	\$6,884.00	\$52,017.77	\$26,096.47	\$1,836.98	\$27,933.45	\$24,084.32	\$16,238.05

State/Federal

- IPEDS
 - Import data
 - Manipulate/Compile data
 - Export data file
- LBB Performance
- Student Right to Know

```
%let AY = 2015-16; /* ACADEMIC YEAR OF COLLECTION */
 %let YEAR = 2016; /* YEAR OF WINTER COLLECTION */
 %let TERM = FA12; /* TERM OF ENROLLMENT FILE */
 %let TERM1 = FA13; /* CBM009 TERM 1 */
 %let TERM2 = FA14; /* CBM009 TERM 2 */
 %let TERM3 = FA15; /* CBM009 TERM 3 */
/* IMPORT SAV ENROLLMENT FILE FROM SPRING COLLECTION OF REPORTING YEAR */
 /* REPORTING FALL 2012 COHORT FOR WINTER 2016 COLLECTION */
-PROC IMPORT
     DATAFILE = "\\MCC-DATA\IEDATA\Reporting\Federal\IPEDS\&AY.\WINTER &YEAR.\G
     OUT = WORK.ENR
     REPLACE:
RUN:
 /* MATCH SSN TO COLLEAGUE ID */
□ PROC SQL;
    CREATE TABLE WORK.STUDENTS AS
    SELECT t1.colleagueId,
           t1.ssn
```

GRAD_FINAL.txt	- Notepad																	
File Edit Format	View Help)																
226578GR2B3	10 2	1	115	231	0	1	3	7	99	122	0	0	218	349	10	15	2	3
226578GR2B3	11 0	0	11	11	0	0	0	0	0	6	0	0	17	35	1	0	0	0
226578GR2B3	12 0	0	21	38	0	0	1	3	7	13	0	0	34	56	0	2	0	1
226578GR2B3	30 0	0	14	29	0	0	0	1	18	16	0	0	33	58	3	4	0	1
226578GR2B3	45 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
226578GR2B3	51 0	0	13	43	0	0	0	1	4	12	0	0	27	5.5	1	3	1	0
226578GR2C8	108																	

Macros

Things yet to come...

- Continue recoding from SPSS to SAS
- Create global template
- Upload files directly to SharePoint
- Download files from SFTP
- Connect to Ellucian dictionaries

Questions/Comments/Dirty Looks/Glazed Eyes?

