

Current and Future Institutional Research Reporting Resources

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**CUNY INSTITUTIONAL RESEARCH AND
CUNY ASSESSMENT COUNCIL JOINT
RETREAT
JUNE 14, 2013**

Speakers

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- Ariel Cohen (OIRA) - Overview
- Judith Ullman (CIS) - PS Query, I-806/ADW, CEMLI Search Tool
- Piotr Kocik (Hostos) – I-805 Extract
- Ariel Cohen (OIRA) – I-184a Extract, CBIL, IRDB
- Mark Casazza (OIRA) – Future Reporting Resources

Overview

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ARIEL COHEN

MANAGER OF STUDENT INFORMATION

OFFICE OF INSTITUTIONAL RESEARCH & ANALYSIS

CUNY CENTRAL OFFICE

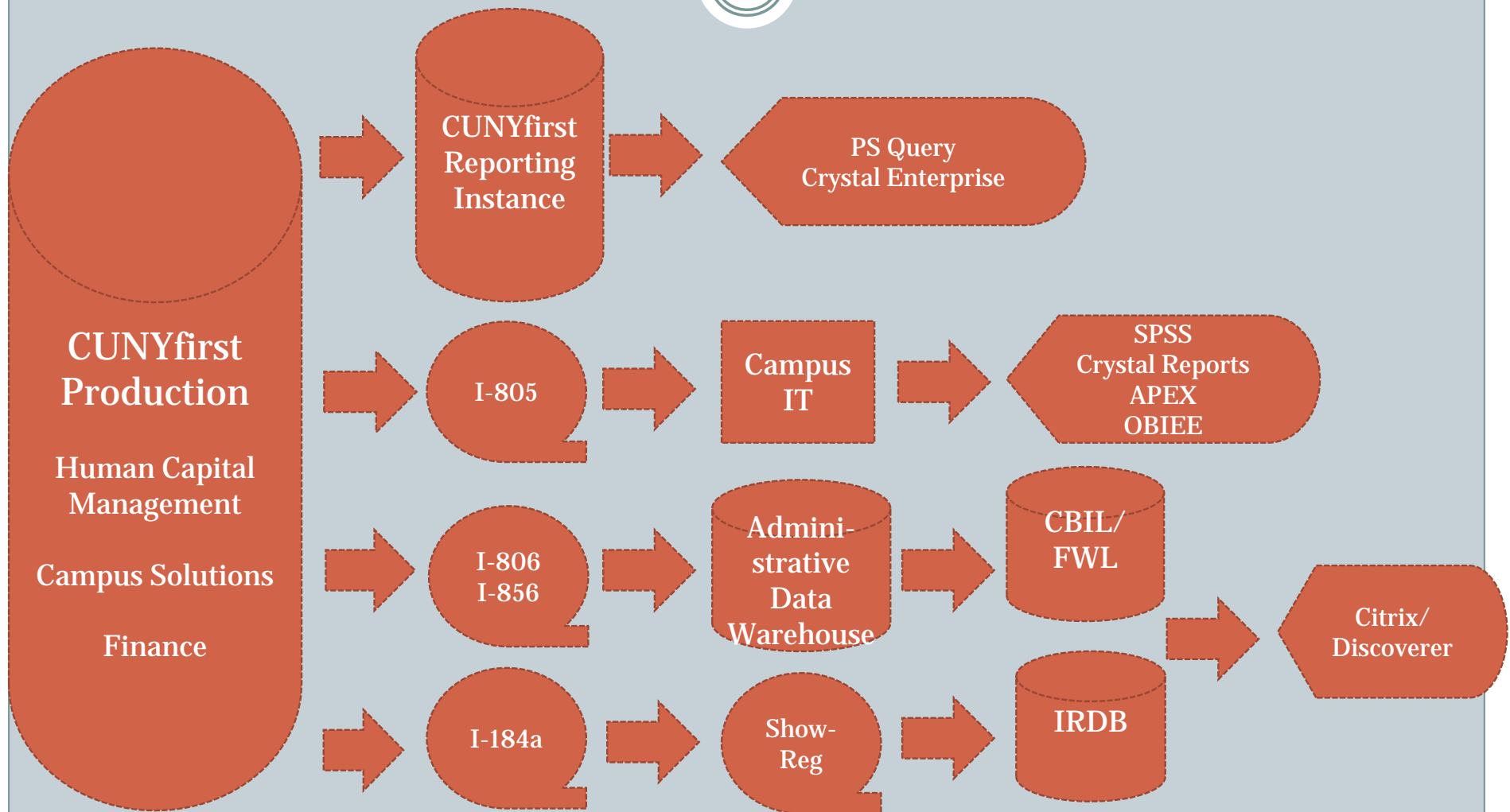
Overview of CUNY Reporting Resources

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Data Sources	Timelines	Available data	Level of Transformation	Platforms/ Tools for Access
CUNYfirst Reporting Instance	Daily (1-day lag for Reporting Instance)	All HCM, CS, and Finance data are available.	Low: Effective dating, predefined joins, and canned queries	PS Query
I-806/I-856/ADW	Daily	138 CF tables, Limited set of HCM and CS data	None	SQL and Crystal Enterprise
I-805 extract	Daily	Enrollment and testing data	Low	SPSS, Crystal Reports, APEX, and OBIEE
I-184a extract	On demand	Show-Registration, Performance, and Graduation data	Moderate: Effective dating and 19 computed fields	SPSS
CBIL	Daily (1 ½-day lag)	Five semesters of admission and enrollment data; Faculty Workload	Moderate: Computed fields similar to those in IRDB History Facts	Oracle Discoverer
IRDB	Term-based census data	1990 to present	High: Optimized for reporting trends and outcomes	Oracle Discoverer
Future reporting resources	POC: Summer 2013			Oracle Data Integrator, OBIEE

CUNYfirst Data Distribution

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Reporting Instances PS Query

6

JUDITH ULLMAN

APPLICATIONS & TECHNICAL SUPPORT MANAGER

COMPUTING & INFORMATION SERVICES

CUNY CENTRAL OFFICE

Log in to CUNYfirst

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CUNYfirst Fully Integrated Resources & Services Tool

SEARCH:

HOME | ADD TO MY LINKS | SIGN OUT

MY LINKS:

PERSONALIZE | CONTENT | LAYOUT | Thu, Jun 13, 13 12:31 PM

ENTERPRISE MENU

- Self Service
 - Customer Relations Management
 - Enterprise Learning Management
 - Enterprise Performance Mgmt
 - HR/Campus Solutions
 - Reporting HR/Campus Solutions**
 - Reporting Financials
 - Reporting HR/Campus Solutions
 - HR/Campus Solutions

CUNYFIRST ALERTS AND NOTICES

CUNYfirst GRAPHIC NOTICE:

We understand some employees are seeing an incorrect college brand when they sign into CUNYfirst. We are working to solve this. This does not affect your work at your college. Thank you for your patience as we work on this.

CREDIT CARD NOTICE:

If a student pays a bill with credit card (Mastercard, American Express, Discover), a nonrefundable convenience fee of 2.65% will be charged to their account in addition to tuition and fees.

NOTIFICATION FOR STUDENT SELF SERVICE USERS

Please note that the Financial Aid tab is active only for Queensborough Community College, Hostos Community College, the New Community College, Lehman College, and CUNY Law School students. All other students can view their Financial Aid data by navigating to the Finances tab.

MONTHLY MAINTENANCE:

The CUNYfirst hosting partner has scheduled Maintenance for the weekend of June 22nd - June 23rd. CUNYfirst will be offline between the date/times listed below:

Start Date: June 22nd
Start Time: 7:00 PM ET

End Date: June 23rd
End Time: 7:00 PM ET

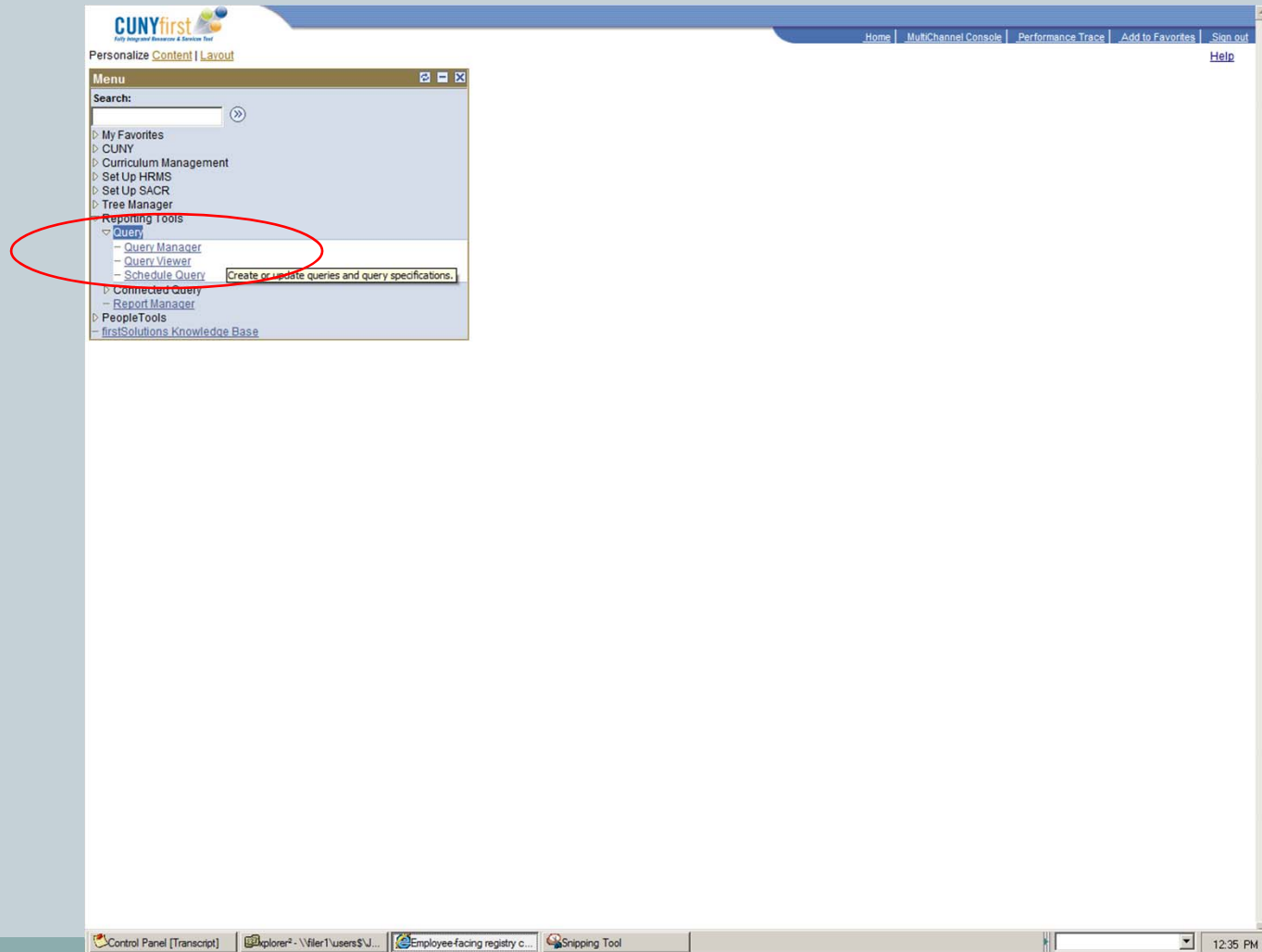
Copyright 2008 | Terms of Use | College Websites

INVEST IN CUNY

Control Panel [Transcript] | Explorer² - \\filer1\users\$VJ... | Employee-facing registry c... | Shipping Tool | 12:32 PM

Navigate to Query Manager

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Create New Query

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The screenshot displays the CUNYfirst Query Manager web application. The interface includes a top navigation bar with links like Home, MultiChannel Console, Performance Trace, Add to Favorites, and Sign out. A left-hand menu lists various system components, with 'Query Manager' selected. The main content area is titled 'Query Manager' and contains instructions: 'Enter any information you have and click Search. Leave fields blank for a list of all values.' Below this, there are two tabs: 'Find an Existing Query' (selected) and 'Create New Query'. The 'Find an Existing Query' section features a search form with a dropdown menu set to 'Query Name' and a 'Search' button. A red circle highlights the 'Create New Query' tab and the search form. Below the search form, there is a table titled 'My Favorite Queries' listing various queries with columns for Query Name, Descr, Owner, Folder, Edit, Run to HTML, Run to Excel, Run to XML, Schedule, and Remove. The table lists 20 queries, including FIND_PERSON_VIA_EMPLID, FIND_PERSON_VIA_NAME, FIND_QUERIES_BY_RECORD, JBU_ACAD_PROG, JBU_STUDENT_ENROLLMENT, JOB_WITH_10_JOINS, PSQRYEXECLOG, PSQRYSTATS, PSQRYTRANS, QUERY_ROLES2, QUERY_STATISTICS_EXECLOG, QUERY_STATISTICS_STATS, RECORDS_IN_ACCESS_GROUP, STDNT_ENRL, USER_TO_RECORD, CU_VET_AFFAIR_STDNT_GRP, CU_VIEW_SQL, QCCV_CU_CATALOG, QCCV_SR_DEG_AWARDED_DEPT, and QUERY_ROLES. At the bottom of the table is a 'Clear Favorites List' button. The bottom of the screen shows a Windows taskbar with open applications: Control Panel [Transcript], Explorer - \\filer1\users\$VJ..., Query Manager - Windows..., and Snipping Tool. The system clock shows 12:38 PM.

Query Manager

Enter any information you have and click Search. Leave fields blank for a list of all values.

Find an Existing Query | [Create New Query](#)

* Search By: begins with

[Search](#) [Advanced Search](#)

Find an Existing Query | [Create New Query](#)

Query Name	Descr	Owner	Folder	Edit	Run to HTML	Run to Excel	Run to XML	Schedule	Remove
FIND_PERSON_VIA_EMPLID	find person via emplid	Private		Edit	HTML	Excel	XML	Schedule	[-]
FIND_PERSON_VIA_NAME	find person via name	Private		Edit	HTML	Excel	XML	Schedule	[-]
FIND_QUERIES_BY_RECORD		Private		Edit	HTML	Excel	XML	Schedule	[-]
JBU_ACAD_PROG		Private		Edit	HTML	Excel	XML	Schedule	[-]
JBU_STUDENT_ENROLLMENT	Testing Enrollment queries.	Private		Edit	HTML	Excel	XML	Schedule	[-]
JOB_WITH_10_JOINS		Private		Edit	HTML	Excel	XML	Schedule	[-]
PSQRYEXECLOG	All records in PSQRYEXECLOG	Private		Edit	HTML	Excel	XML	Schedule	[-]
PSQRYSTATS	Show all records in PSQRYSTATS	Private		Edit	HTML	Excel	XML	Schedule	[-]
PSQRYTRANS	Show all records in PSQRYTRANS	Private		Edit	HTML	Excel	XML	Schedule	[-]
QUERY_ROLES2		Private		Edit	HTML	Excel	XML	Schedule	[-]
QUERY_STATISTICS_EXECLOG	Query Statistics - EXECLOG	Private		Edit	HTML	Excel	XML	Schedule	[-]
QUERY_STATISTICS_STATS	Query Statistics Stats	Private		Edit	HTML	Excel	XML	Schedule	[-]
RECORDS_IN_ACCESS_GROUP		Private		Edit	HTML	Excel	XML	Schedule	[-]
STDNT_ENRL	stdnt_enrl	Private		Edit	HTML	Excel	XML	Schedule	[-]
USER_TO_RECORD		Private		Edit	HTML	Excel	XML	Schedule	[-]
CU_VET_AFFAIR_STDNT_GRP	Veteran's Stdnt Groups query	Public		Edit	HTML	Excel	XML	Schedule	[-]
CU_VIEW_SQL	See the SQL behind any view.	Public		Edit	HTML	Excel	XML	Schedule	[-]
QCCV_CU_CATALOG	Course Catalog Details	Public		Edit	HTML	Excel	XML	Schedule	[-]
QCCV_SR_DEG_AWARDED_DEPT	Degree Awarded by Dept	Public		Edit	HTML	Excel	XML	Schedule	[-]
QUERY_ROLES	Gives roles needed for queries	Public		Edit	HTML	Excel	XML	Schedule	[-]

[Clear Favorites List](#)

Choose Records

10

The screenshot displays the CUNYfirst Query Manager web application. The interface includes a top navigation bar with links like Home, MultiChannel Console, Performance Trace, Add to Favorites, and Sign out. A left-hand menu lists various system components such as My Favorites, CUNY, Curriculum Management, and Reporting Tools. The main content area is titled 'Find an Existing Record' and shows search results for the query 'STDNT_CAR'. The search criteria are set to 'Record Name' and 'begins with'. The results table lists several records, with 'STDNT_CAR_SEQ - Student Career Sequence' highlighted by a red circle. Below the table are buttons for 'Save', 'Save As', 'New Query', 'Preferences', 'Properties', 'Publish as Feed', and 'New Union'. A 'Return To Search' button is also present.

Menu

Search:

My Favorites
CUNY
Curriculum Management
Set Up HRMS
Set Up SACR
Tree Manager
Reporting Tools
Query
Query Manager
Query Viewer
Schedule Query
Connected Query
Report Manager
PeopleTools
firstSolutions Knowledge Base

Records | **Query** | **Expressions** | **Prompts** | **Fields** | **Criteria** | **Having** | **View SQL** | **Run**

Query Name: New Unsavd Query Description: [Feed](#)

Find an Existing Record

*Search By: begins with

[Search](#) [Advanced Search](#)

Search Results

Record	Customize	Find	View All	First	1 of 9	Last
Record Name	Add Record	Show Fields				
STDNT_CAREER - Student Career	Add Record	Show Fields				
STDNT_CAREER_VW - Student Career view	Add Record	Show Fields				
STDNT_CARTRM_VW - Student Career Term Table View	Add Record	Show Fields				
STDNT_CAR_BU_VW - Student Career Bus Unit View	Add Record	Show Fields				
STDNT_CAR_MLSTN - Student Milestone	Add Record	Show Fields				
STDNT_CAR_PLNVW - Student Career Term/Plan View	Add Record	Show Fields				
STDNT_CAR_SEQ - Student Career Sequence	Add Record	Show Fields				
STDNT_CAR_SRCH - Student Academic Program	Add Record	Show Fields				
STDNT_CAR_TERM - Student Career Term Table	Add Record	Show Fields				

[Save](#) [Save As](#) [New Query](#) [Preferences](#) [Properties](#) [Publish as Feed](#) [New Union](#) [Return To Search](#)

Control Panel [Transcript] | Explorer - \\filer1\users\SJ... | Query Manager - Windows... | Snipping Tool | 12:42 PM

Choose Columns

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The screenshot displays the CUNYfirst Query Manager interface. The left sidebar contains a 'Menu' with options like 'My Favorites', 'CUNY', 'Curriculum Management', 'Set Up HRMS', 'Set Up SACR', 'Tree Manager', 'Reporting Tools', 'Query', 'Query Manager', 'Query Viewer', 'Schedule Query', 'Connected Query', 'Report Manager', 'PeopleTools', and 'FirstSolutions Knowledge Base'. The main window shows the 'Query' tab selected, with a 'Query Name' of 'New Unsavd Query' and a 'Description' of 'Click folder next to record to show fields. Check fields to add to query. Uncheck fields to remove from query. Add additional records by clicking the records tab. When finished click the fields tab.' Below this, the 'Choose Records' section shows a list of records with checkboxes. A red circle highlights the 'Fields' section, which contains a list of fields with checkboxes and links to their definitions. The fields listed are:

Fields	Find	View	100	First	1-50 of 124	Last
<input checked="" type="checkbox"/> EMPID - Empl ID	Join PEOPLE_SRCH - People Search View					
<input checked="" type="checkbox"/> ACAD_CAREER - Academic Career	Join STDNT_CAREER - Student Career					
<input checked="" type="checkbox"/> INSTITUTION - Academic Institution	Join INSTITUTION_TBL - Institution Table					
<input checked="" type="checkbox"/> STRM - Term	Join TERM_TBL - Term Definition Table					
<input type="checkbox"/> REG_CARD_DATE - Registration Card Date						
<input checked="" type="checkbox"/> WITHDRAW_CODE - Withdrawal \ Cancel						
<input checked="" type="checkbox"/> WITHDRAW_REASON - Withdrawal \ Cancel Reason						
<input type="checkbox"/> WITHDRAW_DATE - Withdrawal \ Cancel Date						
<input type="checkbox"/> LAST_DATE_ATTENDED - Last Date of Attendance						
<input checked="" type="checkbox"/> STDNT_CAR_NBR - Student Career Nbr						
<input type="checkbox"/> ACAD_PROG_PRIMARY - Primary Academic Program						
<input type="checkbox"/> ACAD_LOAD_APPR - Approved Academic Load						
<input type="checkbox"/> ACADEMIC_LOAD - Academic Load						
<input type="checkbox"/> FA_LOAD - Financial Aid Load						
<input type="checkbox"/> ACAD_LEVEL_PROJ - Academic Level - Projected	Join ACAD_LEVEL_TBL - Academic Level Table					
<input type="checkbox"/> ACAD_LEVEL_BOT - Academic Level - Term Start	Join ACAD_LEVEL_TBL - Academic Level Table					
<input checked="" type="checkbox"/> ACAD_LEVEL_EOT - Academic Level - Term End	Join ACAD_LEVEL_TBL - Academic Level Table					
<input type="checkbox"/> NSLDS_LOAN_YEAR - NSLDS Loan Year						
<input type="checkbox"/> OVRD_ACAD_LVL_PROJ - Override Projected Level						
<input type="checkbox"/> OVRD_ACAD_LVL_ALL - Override All Academic Levels						
<input type="checkbox"/> ELIG_TO_ENROLL - Eligible to Enroll						
<input type="checkbox"/> OVRD_MAX_UNITS - Override Maximum Units						
<input checked="" type="checkbox"/> MAX_TOTAL_UNIT - Max Total Units						
<input type="checkbox"/> MAX_NOGPA_UNIT - Max No GPA Units						
<input type="checkbox"/> MAX_AUDIT_UNIT - Max Audit Units						
<input type="checkbox"/> MAX_WAIT_UNIT - Max Wait List Units						
<input type="checkbox"/> MIN_TOTAL_UNIT - Min Total Units						
<input type="checkbox"/> OVRD_BILL_UNITS - Override Billing Units						

Run – Download if desired

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The screenshot displays the CUNYfirst Query Manager interface. On the left is a navigation menu with options like 'My Favorites', 'CUNY', 'Curriculum Management', 'Set Up HRMS', 'Set Up SACR', 'Tree Manager', 'Reporting Tools', 'Query', 'Connected Query', 'Report Manager', 'PeopleTools', and 'firstSolutions Knowledge Base'. The 'Query' section is expanded, showing 'Query Manager', 'Query Viewer', and 'Schedule Query'. The main area shows a table of records with columns: ID, Career, Institution, Term, Withdraw Code, Withdrawn, Career Nbr, End Level, and Max Units. A red circle highlights the 'Download to Excel' and 'Download to XML' links above the table. The table contains 38 rows of data. At the bottom, a taskbar shows the 'Control Panel [Transcript]', 'Explorer2 - \\filer1\users\J...', 'Query Manager - Windows...', and 'Snipping Tool'.

Search:

Menu

Home | MultiChannel Console | Performance Trace | Add to Favorites | Sign out

Records | Query | Expressions | Prompts | Fields | Criteria | Having | View SQL | Run

New Window | Help | Customize Page

View All | Rerun Query | Download to Excel | Download to XML

First 1-100 of 98462 Last

	ID	Career	Institution	Term	Withdraw Code	Withdrawn	Career Nbr	End Level	Max Units
1	12000555	UGRD	QCC01	1019	NWD		0 11		0.00
2	12000555	UGRD	QCC01	1022	NWD		0 11		0.00
3	12000555	UGRD	QCC01	1026	NWD		0 11		0.00
4	12000555	UGRD	QCC01	1029	NWD		0 11		0.00
5	12000555	UGRD	QCC01	1039	NWD		0 11		0.00
6	12000587	UGRD	QNS01	1012	NWD		0 45		0.00
7	12000587	UGRD	QNS01	1016	NWD		0 45		0.00
8	12000587	UGRD	QNS01	1019	NWD		0 11		0.00
9	12000617	UGRD	QNS01	1012	NWD		0 00		0.00
10	12000617	UGRD	QNS01	1016	NWD		0 00		0.00
11	12000617	UGRD	QNS01	1019	NWD		0 11		0.00
12	12000646	UGRD	QNS01	1016	NWD		0 11		0.00
13	12000646	UGRD	QNS01	1019	NWD		0 11		0.00
14	12000674	UGRD	QNS01	1012	NWD		0 00		0.00
15	12000674	UGRD	QNS01	1016	NWD		0 00		0.00
16	12000674	UGRD	QNS01	1019	NWD		0 52		0.00
17	12000674	UGRD	QNS01	1022	NWD		0 52		0.00
18	12000674	UGRD	QNS01	1026	NWD		0 52		0.00
19	12000674	UGRD	QNS01	1029	NWD		0 52		0.00
20	12000674	UGRD	QNS01	1032	NWD		0 52		0.00
21	12000017	UGRD	QCC01	1109	NWD		0 11		0.00
22	12000026	UGRD	QCC01	0999	NWD		0 11		0.00
23	12000026	UGRD	QCC01	1039	NWD		0 11		0.00
24	12000047	UGRD	QNS01	1002	NWD		0 11		0.00
25	12000047	UGRD	QNS01	1006	NWD		0 15		0.00
26	12000047	UGRD	QNS01	1009	NWD		0 11		0.00
27	12000047	UGRD	QNS01	1012	NWD		0 15		0.00
28	12000047	UGRD	QNS01	1016	NWD		0 15		0.00
29	12000047	UGRD	QNS01	1019	NWD		0 11		0.00
30	12000067	UGRD	QNS01	1002	NWD		0 11		0.00
31	12000086	UGRD	QNS01	1012	NWD		0 11		0.00
32	12000107	UGRD	QCC01	1022	NWD		0 11		0.00
33	12000107	UGRD	QCC01	1026	NWD		0 11		0.00
34	12000107	UGRD	QCC01	1029	NWD		0 11		0.00
35	12000130	UGRD	QNS01	1002	NWD		0 11		0.00
36	12000156	UGRD	QCC01	1012	NWD		0 11		0.00
37	12000199	UGRD	QNS01	1006	NWD		0 31		0.00
38	12000199	UGRD	QNS01	1009	NWD		0 11		0.00
39	12000199	UGRD	QNS01	1012	NWD		0 35		0.00

Control Panel [Transcript] | Explorer2 - \\filer1\users\J... | Query Manager - Windows... | Snipping Tool | 12:46 PM

Join records, add calculations, provide prompts, filter records, group, sort, and more

13

The screenshot displays the CUNYfirst Query Manager interface. The top navigation bar includes links for Home, MultiChannel Console, Performance Trace, Add to Favorites, and Sign out. A red oval highlights the 'Records' tab in the top menu, which is currently selected. The left sidebar shows a 'Menu' with options like My Favorites, CUNY, Curriculum Management, Set Up HRMS, Set Up SACR, Tree Manager, Reporting Tools, Query, Query Manager, Query Viewer, Schedule Query, Connected Query, Report Manager, PeopleTools, firstSolutions Knowledge Base, and Base.

The main content area shows a query named 'New Unsavd Query' with a description: 'Click folder next to record to show fields. Check fields to add to query. Uncheck fields to remove from query. Add additional records by clicking the records tab. When finished click the fields tab.' Below this, the 'Chosen Records' section lists various tables and fields. The 'Fields' tab is active, showing a list of fields with checkboxes and links to join tables. The fields are:

Fields	Find	View	100	First	1-50 of 124	Last
<input checked="" type="checkbox"/> EMPID - Empl ID	Join PEOPLE_SRCH - People Search View	Join STDNT_CAREER - Student Career	Join INSTITUTION_TBL - Institution Table	Join TERM_TBL - Term Definition Table		
<input checked="" type="checkbox"/> ACAD_CAREER - Academic Career						
<input checked="" type="checkbox"/> INSTITUTION - Academic Institution						
<input checked="" type="checkbox"/> STRM - Term						
<input type="checkbox"/> REG_CARD_DATE - Registration Card Date						
<input checked="" type="checkbox"/> WITHDRAW_CODE - Withdrawal \ Cancel						
<input checked="" type="checkbox"/> WITHDRAW_REASON - Withdrawal \ Cancel Reason						
<input type="checkbox"/> WITHDRAW_DATE - Withdrawal \ Cancel Date						
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<input type="checkbox"/> ACAD_LOAD_APPR - Approved Academic Load						
<input type="checkbox"/> ACADEMIC_LOAD - Academic Load						
<input type="checkbox"/> FA_LOAD - Financial Aid Load						
<input type="checkbox"/> ACAD_LEVEL_PROJ - Academic Level - Projected	Join ACAD_LEVEL_TBL - Academic Level Table	Join ACAD_LEVEL_TBL - Academic Level Table	Join ACAD_LEVEL_TBL - Academic Level Table	Join ACAD_LEVEL_TBL - Academic Level Table		
<input type="checkbox"/> ACAD_LEVEL_BOT - Academic Level - Term Start						
<input checked="" type="checkbox"/> ACAD_LEVEL_EOT - Academic Level - Term End						
<input type="checkbox"/> NSLDS_LOAN_YEAR - NSLDS Loan Year						
<input type="checkbox"/> OVRD_ACAD_LVL_PROJ - Override Projected Level						
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<input type="checkbox"/> OVRD_MAX_UNITS - Override Maximum Units						
<input checked="" type="checkbox"/> MAX_TOTAL_UNIT - Max Total Units						
<input type="checkbox"/> MAX_NOGPA_UNIT - Max No GPA Units						
<input type="checkbox"/> MAX_AUDIT_UNIT - Max Audit Units						
<input type="checkbox"/> MAX_WAIT_UNIT - Max Wait List Units						
<input type="checkbox"/> MIN_TOTAL_UNIT - Min Total Units						
<input type="checkbox"/> OVRD_BILL_UNITS - Override Billing Units						

The bottom status bar shows the Windows taskbar with the following applications: Control Panel [Transcript], Explorer - \\filer1\users\$U..., Query Manager - Windows..., and Snipping Tool. The system clock shows 12:43 PM.

<http://www.cuny.edu/about/administration/offices/CIS/CUNYfirst/reporting.html>

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The screenshot shows a web browser window titled "Reporting - CUNYfirst - CUNY - Windows Internet Explorer". The address bar displays the URL <http://www.cuny.edu/about/administration/offices/CIS/CUNYfirst/reporting.html>. The browser's menu bar includes File, Edit, View, Favorites, Tools, and Help. The toolbar shows various icons for navigation and utility. The main content area features the CUNY logo and a navigation menu with links to ABOUT, ACADEMICS, ADMISSIONS, FINANCIAL AID, RESEARCH, NEWS/EVENTS, LIBRARIES, EMPLOYMENT, and a SEARCH button. Below the navigation menu, a breadcrumb trail reads: "Welcome >> About >> Administration >> Administrative Offices >> Computing & Information Services >> CUNYfirst >> Reporting". The "CUNYfirst" section lists several categories: Student Administration, Human Resources, Finance, Training, Reporting (highlighted), and Technical/Support. The "Reporting" category is expanded, showing a section titled "QUERY PROCESSING AND PROMOTION" which is circled in red. This section contains two links: "PROCESS FOR QUERIES ON THE REPORTING INSTANCES <pdf>" and "REQUEST TO PROMOTE QUERY FROM PRIVATE TO PUBLIC <pdf>". At the bottom of the page, there are three columns of links: "CUNY MEDIA" (Watch CUNY CHANNEL, Read CUNY NEWSWIRE, Listen CUNY RADIO, Inside CUNY ITUNES U, View CUNY TV75), "FINANCIAL AID TOOL BOX" (Keeping Tuition Affordable, Applying for Financial Aid, Pell/ITAP Need-Based Support, Scholarships and Grants, Estimating College Costs, The CUNY Value), and "QUICKLINKS" (Portal CUNYfirst Blackboard eSIMS, Trustees, Find People (phone/emails), Continuing & Professional Education, Giving to CUNY Colleges, Freedom of Information Law (FOIL)). The footer contains a line of text: "Website | Copyright 2013 | Privacy | Security | Accessibility | Terms of Use | Site Map | CUNY Alert | Mobile Version |".

Reporting Instances Summary

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- **Advantage**
 - All CUNYfirst FIN, HCM, and CS data are available
- **Disadvantages**
 - Data are not refreshed until early morning of the following day.
 - PS Query tool only provides columnar output.
 - Sharing queries is limited.

I-806/ADW

16

JUDITH ULLMAN

APPLICATIONS & TECHNICAL SUPPORT MANAGER

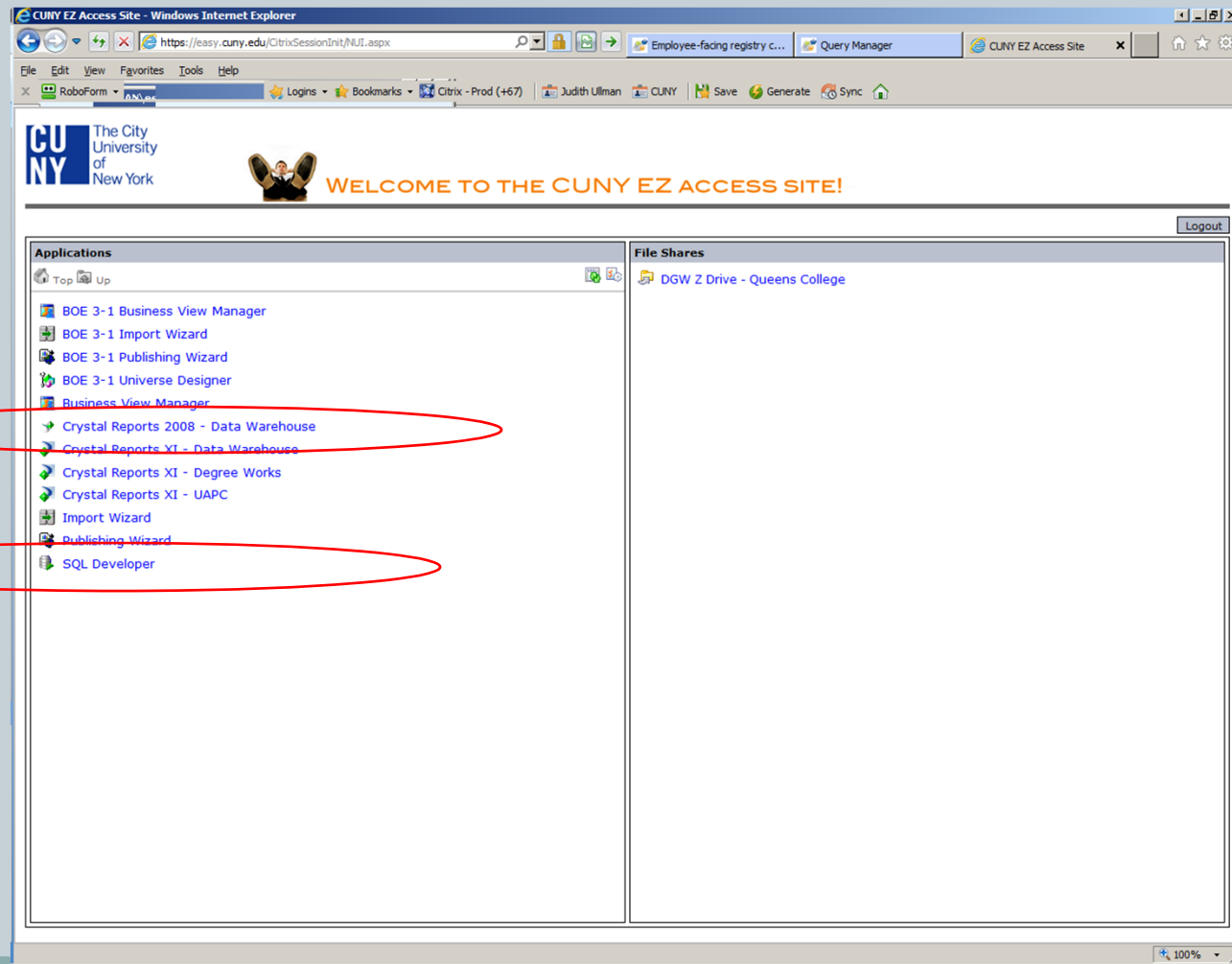
COMPUTING & INFORMATION SERVICES

CUNY CENTRAL OFFICE

Login to Citrix System

<https://easy.cuny.edu>

17



Write any SQL; Get columnar results

18

The screenshot displays the Oracle SQL Developer interface. The 'Query Builder' window shows a SQL query that selects the minimum plan sequence for a given employee and career, and then finds the effective date and sequence for that employee. The 'Query Result' window shows the output of the query, which is a table with 17 rows and 12 columns.

Query:

```
(SELECT MIN(PLAN_SEQUENCE)
FROM ERP_CF_ACAD_PLAN B
WHERE B.EMPLID = A.EMPLID
AND B.ACAD_CAREER = A.ACAD_CAREER
AND B.STDNT_CAR_NBR = A.STDNT_CAR_NBR
AND B.EFFDT = A.EFFDT
AND B.EFFSEQ = A.EFFSEQ
) PRIMARY_ACAD_PLAN,
--This view has the ACAD_PLAN records that are effective on the current date. It also provides the PRIMARY_ACAD_PLAN, which is the minimum PLAN_SEQ
FROM ERP_CF_ACAD_PLAN A
WHERE EFFDT =
(SELECT MAX(EFFDT)
FROM ERP_CF_ACAD_PLAN B
WHERE B.EMPLID = A.EMPLID
AND B.ACAD_CAREER = A.ACAD_CAREER
AND B.STDNT_CAR_NBR = A.STDNT_CAR_NBR
AND B.EFFDT <= SYSDATE
)
AND EFFSEQ =
(SELECT MAX(EFFSEQ)
FROM ERP_CF_ACAD_PLAN B
WHERE B.EMPLID = A.EMPLID
```

Query Result: Fetched 50 rows in 147.453 seconds

	EMPLID	ACAD_CAREER	STDNT_CAR_NBR	EFFDT	EFFSEQ	ACAD_PLAN	DECLARE_DT	PLAN_SEQUENCE	REQ_TERM	COMPLETION_TERM	STDNT_DEGR	DEGR
1	12004459	UGRD		01-SEP-07	1	ECON-BA	01-FEB-07	20 1036	1076	01		AW
2	12004493	UGRD		01-JUN-06	1	CSCI-BA	01-FEB-06	10 1032	1062	01		AW
3	12004601	UGRD		02-JUN-05	1	ACCT-BA	01-JUN-04	10 1026	1052	01		AW
4	12004601	UGRD		02-JUN-05	1	ECON-MIN	01-JUN-04	20 1026	1052	01		AW
5	12004876	UGRD		031-MAY-07	1	DRAM-BA	01-FEB-07	10 1029	1072	01		AW
6	12005114	UGRD		031-MAY-07	1	ECON-MIN	01-FEB-06	10 1046	1072	01		AW
7	12005114	UGRD		031-MAY-07	1	MATH-BA	01-FEB-06	20 1046	1072	01		AW
8	12005183	UGRD		09-JUN-06	1	BT-AS	01-FEB-04	10 1032	1062	01		AW
9	12005646	UGRD		01-SEP-06	1	ACCT-BA	01-JUN-06	10 1032	1066	01		AW
10	12005646	UGRD		01-SEP-06	1	ECON-BA	01-JUN-06	20 1032	1066	01		AW
11	12005713	UGRD		01-SEP-08	1	CSCI-BA	01-JUN-07	10 1069	1086	01		AW
12	12005823	UGRD		01-FEB-07	1	ACCT-BA	01-SEP-04	10 1036	1069	01		AW
13	12006072	UGRD		01-SEP-05	1	ECON-BA	01-JUN-03	10 1036	1056	01		AW
14	12006317	UGRD		01-FEB-08	1	ECON-BA	01-FEB-06	10 1036	1079	01		AW
15	12006317	UGRD		01-FEB-08	1	MATH-BA	01-FEB-06	20 1036	1079	01		AW
16	12000385	UGRD		01-FEB-03	1	CHEM-MIN	01-SEP-02	10 1006	1029	01		AW
17	12000385	UGRD		01-FEB-03	1	CSCI-BA	01-SEP-02	20 1006	1029	01		AW

Design any format with Crystal Reports

19

Crystal Reports - [Analysis Report.rpt]

File Edit View Insert Format Database Report Window Help

Start Page Test with POWER CF Analysis Report.rpt

Design Preview

Parameters

Enter Column:

Marital Status

Groups

Parameters

Find

Reading Records

237240 of 237240

237240 100%

100%

ROWS		COLUMN		Descending Order by Program Count			
Academic Program		Marital Status					
- Academic Plan							
ADVCT				Total	M	S	U
Total				4,820	52	92	4,676
Advanced Certificate	Total			4,820	52	92	4,676
	Adol Educ Soc Stds 7-12 MSED			158	8	0	150
	Adol Educ: Biology 7-12 MSED			2	0	0	2
	Adol Educ: Chemistry 7-12 MSED			2	0	0	2
	Adol Educ: English 7-12 MSED			36	0	0	36
	Adol Educ: French 7-12 MSED			2	0	0	2
	Adol Educ: Italian 7-12 MSED			2	0	0	2
	Adol Educ: Math 7-12 MSED			14	0	0	14
	Adol Educ: Earth Sci 7-12 MSED			4	0	0	4
	Adolescent Educ: Biology AC			2	0	0	2
	Adolescent Educ: Chinese AC			24	0	0	24
	Adolescent Educ: Earth Sci AC			12	0	0	12
	Adolescent Educ: English AC			60	0	0	60
	Adolescent Educ: French AC			4	0	0	4
	Adolescent Educ: Math AC			36	12	0	24
	Adolescent Educ: Physics AC			24	24	0	0
	Adolescent Educ: Soc Stds AC			164	8	24	132
	Adolescent Educ: Spanish AC			48	0	0	48
	Africana Studies Minor			6	0	0	6
	Anthropology BA			8	0	0	8
	Anthropology Minor			6	0	0	6

Schedule and share Crystal Reports securely via the Enterprise Reporting System

20

BusinessObjects Central Management Console - Windows Internet Explorer

https://reporting.cuny.edu/CmcApp/App/home.faces?appKind=CMC&servic...

Employee-facing r... Query Manager CUNY EZ Access Site BusinessObjec...

File Edit View Favorites Tools Help

Logins Bookmarks PROD Infoview (+67) Judith Ullman CUNY Save Generate Sync

CENTRAL MANAGEMENT CONSOLE

Welcome: **jullman** | Help | Preferences | About | Log Out

Folders

Manage Actions Organize Search title

Title	Type	Description	Date Modified
AMB_REPORTS	Folder		Jan 4, 2011 2:16 PM
Admissions Choices Year over Year	Crystal Report	Summarizes choices by Institution for 2 years, for Fresh	Jan 26, 2011 10:02 AM
Admissions Details Year over Year	Crystal Report	Selected Admissions data fields with prior year comparis	Jan 26, 2011 10:02 AM
Admissions One Term Details	Crystal Report	All data fields for one term of admissions data (includes	Jan 26, 2011 10:02 AM
Enrollment Analysis for Institutional Research	Crystal Report	Based on "Baruch FA08.pdf" and "Fall2007.xls" provided	Jan 26, 2011 10:02 AM
Enrollment Analysis with Equated Credits	Crystal Report	Based on "Flash data Spring 07b.xls" provided by Annam	Jan 26, 2011 10:02 AM
Enrollment Analysis with Targets	Crystal Report	Based on "Brooklyn Sample Report.pdf" provided by Ann	Jan 26, 2011 10:02 AM
Enrollment Analysis with Yields	Crystal Report	Based on "Form A Fall07 to Fall06.xls" provided by Ann	Jan 26, 2011 10:02 AM
Enrollment by Institution for Key Calendar Dates	Crystal Report	Compares enrollment for 2 years, and against Form A d	Jan 26, 2011 10:01 AM
Enrollment Degree Analysis for Key Calendar Dates	Crystal Report	Breakdown enrollment by Degree, Year over year	Jan 26, 2011 10:02 AM
Enrollment Misc. Fields Year over Year for Key Calendar	Crystal Report	Most flexible enrollment report - user chooses up to 6 fi	Jan 26, 2011 10:02 AM
Enrollment One Term Details	Crystal Report	All available data fields for one term of Enrollment data	Jan 26, 2011 10:02 AM
Enrollment Projections	Crystal Report	Five years of historical data, based on Jim Murphy's "Enr	Jan 26, 2011 10:02 AM
Enrollment Year over Year	Crystal Report	Pre-selected data fields for year over year comparison	Jan 26, 2011 10:02 AM
Pre-App and Admissions Year over Year	Crystal Report	Summary of Pre-App and Admissions data, year over yea	Jan 26, 2011 10:02 AM
Pre-App Details Year over Year	Crystal Report	Pre-App Year over Year, with details for latest of the 2 Y	Jan 26, 2011 6:25 PM
ss_flashreport_revised_st	Crystal Report		May 22, 2012 12:56 PM

Total: 17 objects

100%

Crystal Reports/SQL Developer can also work with the IRDB

21

BusinessObjects Central Management Console - Windows Internet Explorer

https://reporting.cuny.edu/CmcApp/App/home.faces?appKind=CMC&servic... Employee-facing r... Query Manager CUNY EZ Access Site BusinessObjec...

RoboForm Search Logins Bookmarks PROD Inflow (+67) Judith Ullman CUNY Save Generate Sync

CENTRAL MANAGEMENT CONSOLE Business Objects an SAP company

Crystal Reports Viewer

Parameters Group Tree 1 / 1+ 100%

Main Report Spring

Spring

CUNY The City University of New York

**Admissions to Undergraduate and Graduate Degree Programs by College
Spring 2009**

	First-time Freshmen Regular	First-time Freshmen SEEK/CD	First-time Freshmen Total	Undergraduate Transfers	New Graduate Students	Total
Baruch	52	---	52	792	457	1,301
Brooklyn	97	---	97	906	385	1,388
City	139	2	141	740	388	1,269
Hunter	85	---	85	940	584	1,609
John Jay	244	5	249	792	313	1,354
Lehman	101	5	106	866	165	1,137
Medgar Evers	517	4	521	489	---	1,010
NYCCT	868	35	903	818	---	1,721
Queens	118	6	124	1,283	645	2,052
Staten Island	573	4	577	1,794	140	2,511
York	174	13	187	584	---	771
Graduate School	---	---	---	---	58	58
Journalism School	---	---	---	---	---	0
Professional Studies	5	---	5	182	142	329
Law School	---	---	---	---	---	0
Total Senior Colleges	2,973	74	3,047	10,186	3,277	16,510
BMCC	2,304	43	2,347	1,686	---	4,033
Bronx	1,057	2	1,059	681	---	1,740
Hostos	554	19	573	396	---	969
Kingsborough	1,058	21	1,079	1,314	---	2,393
LaGuardia	1,570	80	1,650	1,457	---	3,107

Total: 47 objects

100%

I-806/ADW Summary

22

- **Advantage**

- SQL Developer and Crystal Reports are full-featured, flexible tools
- Reports can easily be secured, scheduled, and shared via the Enterprise Reporting System

- **Disadvantages**

- Core, but limited, data are available
- Data are one day old

CEMLI Search Tool

23

JUDITH ULLMAN

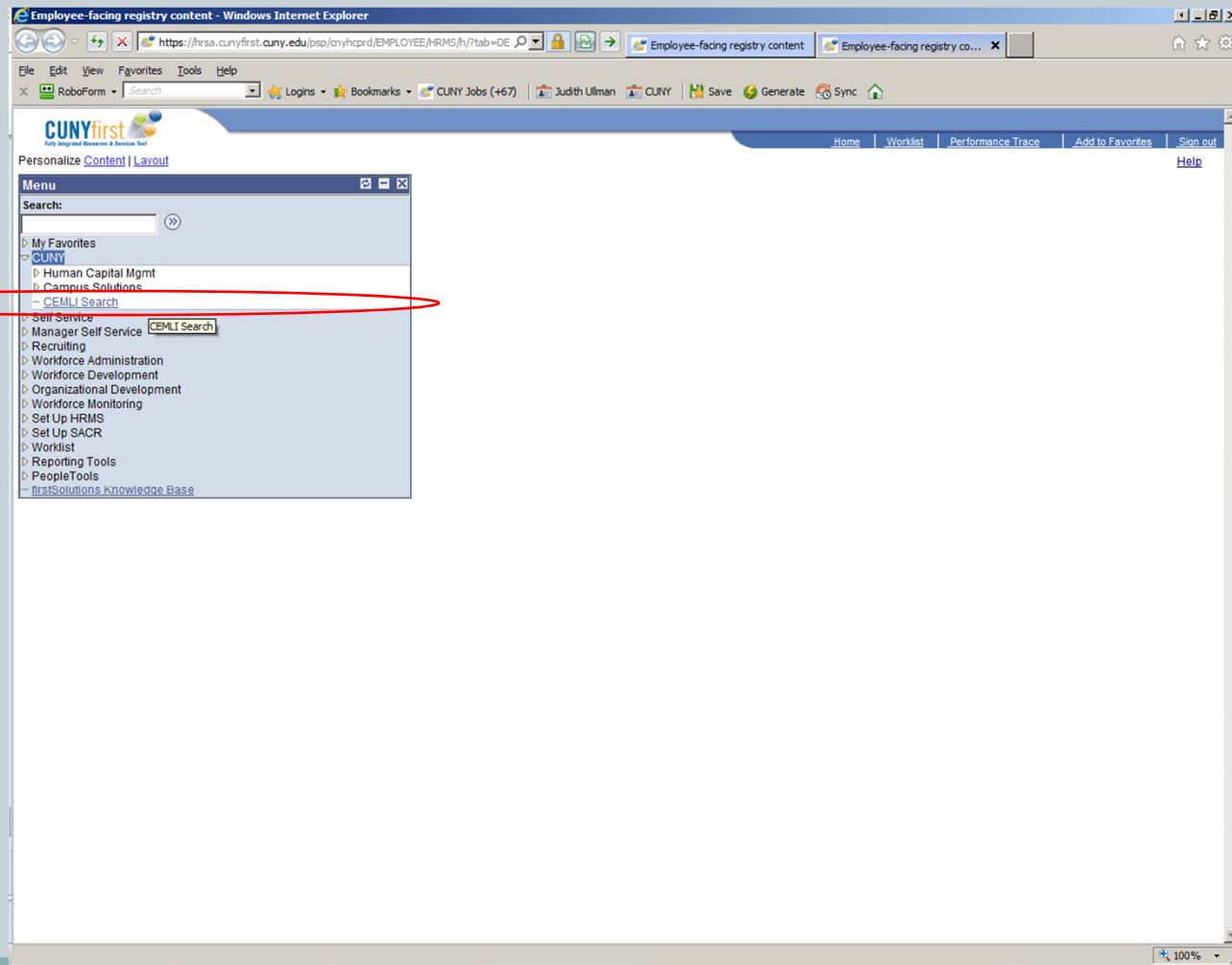
APPLICATIONS & TECHNICAL SUPPORT MANAGER

COMPUTING & INFORMATION SERVICES

CUNY CENTRAL OFFICE

Available from all CUNYfirst instances

24



Search for reports and queries

25

The screenshot shows a web browser window titled "CEMLI Search - Windows Internet Explorer". The address bar displays the URL: https://hrsa.cunyfirst.cuny.edu/psp/onyhcrpd/EMPLOYEE/HRMS/c/CU_CUNY_CS. The browser's menu bar includes File, Edit, View, Favorites, Tools, and Help. The toolbar shows icons for RoboForm, Logins, Bookmarks, CUNY Jobs (+67), Judith Ullman, CUNY, Save, Generate, Sync, and a home icon. The page header features the CUNYfirst logo and navigation links: Home, Worklist, Performance Trace, Add to Favorites, and Sign out. A "New Window | Help | Customize Page | neta" link is also present.

The main content area is titled "Find CEMLI Info" and contains a section labeled "Enter Search Criteria". This section includes the following fields and buttons:

- Search:** A text input field with a search icon.
- Reset:** A button.
- CEMLI Name:** A text input field.
- CEMLI Type:** A dropdown menu.
- Pillar:** A dropdown menu.
- Module:** A text input field with a search icon.
- Technical Contact:** A text input field with a search icon.
- Functional Contact:** A text input field with a search icon.
- Support Contact:** A text input field with a search icon.
- Enter Keyword:** A text input field containing the text "enrollment".
- Search:** A button.
- Reset:** A button.

A red oval highlights the "Support Contact" and "Enter Keyword" fields, which are currently empty and contain the text "enrollment" respectively.

Choose report or query

26

Find CEMLI Info

Enter Search Criteria

Search Results

CEMLI Id	CEMLI Name	CEMLI Type	Pillar	Module Name
R925A	Student Service Indicator Repo	Report	CS	Student Records
R925B	Student Service Indicator Rpt	Report	CS	Student Financials
R900	Appointment Dates by Major	Report	CS	Student Records
R902	Enrollment Overcapacity Report	Report	CS	Student Records
R903	Enrollment Transaction Report	Report	CS	Student Records
R926	Modified Class Schedule Report	Report	CS	Student Records
R928	Flash Report Data Report	Report	CS	Student Records
R929	Transcript Comments Report	Report	CS	Student Records
R938A	Veteran's Bio Report	Report	CS	Student Records

View information and run

27

CEMLI Search - Windows Internet Explorer

https://hrsa.cunyfirst.cuny.edu/psp/cnyhqrdr/EMPLOYEE/HRMS/c/CEMLI_SEARCH_CS... Employee-facing registry content CEMLI Search

File Edit View Favorites Tools Help

Logins Bookmarks CUNY Jobs (+67) Judith Ullman CUNY Save Generate Sync

CUNYfirst
Fully Integrated Resource & Service Tool

Home Worklist Performance Trace Add to Favorites Sign out

New Window Help Customize Page

Menu

Search: >>

My Favorites

CUNY

Human Capital Mgmt

Campus Solutions

CEMLI Search

Self Service

Manager Self Service

Recruiting

Workforce Administration

Workforce Development

Organizational Development

Workforce Monitoring

Set Up HRMS

Set Up SACR

Worklist

Reporting Tools

PeopleTools

firstSolutions Knowledge Base

View Cemli Info

R902-Enrollment Overcapacity Report

Description

Purpose: Colleges will need to run this process every day during registration to prevent enrollment beyond the room capacity of the classroom.

Use: This report will also be run on a request basis to identify the class sections which need to be re-scheduled in to a room facility that appropriately accommodates the section enrollments. This report is also useful to adhere to the fire safety regulations.

Selection Value:

- 1.Academic Institution
- 2.Term
- 3.Session Code (Optional)
- 4.Academic Organization (Optional)
- 5.Subject (Optional)

Result:

The report header displays the report name, CEMLI ID, report parameters and run date. Run date is the date on which the report is run.

Key fields displayed in the report are:

- a.Class and all facility information where the class is scheduled to hold will be mentioned in the report.
- b.Over capacity type of any facility for the particular class will be mentioned in the over capacity. Over capacity status of every facility will also be mentioned in the report.
- c.Information of enrollment capacity and current number of students enrolled in the class along with facility capacity will also be mentioned in the report for every facility of the class.

Component Info View All First 1 of 1 Last

Component: CU_R902 Enrollment Overcapacity Report

Navigation: CUNY > Campus Solutions > CS Reports > Student Records > Enrollment Overcapacity Report

Pages View All 1 of 1 First 1 of 1 Last

Page Name	Description	Help
CU_R902	Enrollment Overcapacity Report	Help

Accessible Roles View All 1-4 of 4 First 1-4 of 4 Last

Role Name	Description
CU_CSAD_ALL	CU: Admissions All Reports
CU_CSSF_ALL	CU:Stud Financials All Reports
CU_CSSR_ALL	CU:Student Records All Reports
CU_CSSR_ONLY	CU:Student Records Only Report

Notes View All Notes First 1 of 1 Last

Subject:

CEMLI Search Tool Summary

28

- **Advantages**
 - One-stop shop for reports and queries
 - Search capabilities
 - Provides access information
- **Disadvantage**
 - Getting populated slowly

I-805 Extract

29

PIOTR KOCIK

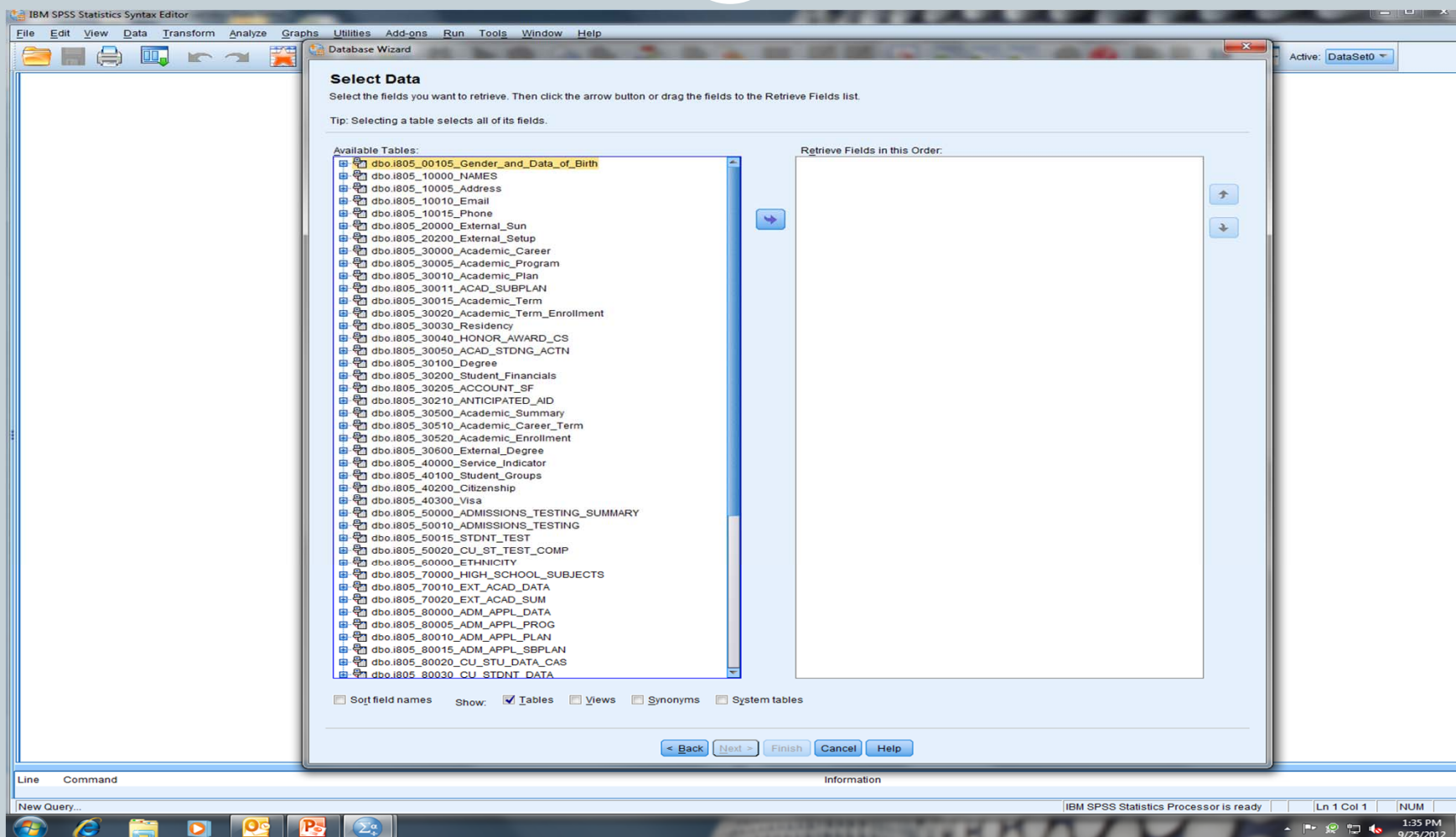
INSTITUTIONAL RESEARCH AND ASSESSMENT MANAGER

**OFFICE OF INSTITUTIONAL RESEARCH AND STUDENT
ASSESSMENT**

HOSTOS COMMUNITY COLLEGE

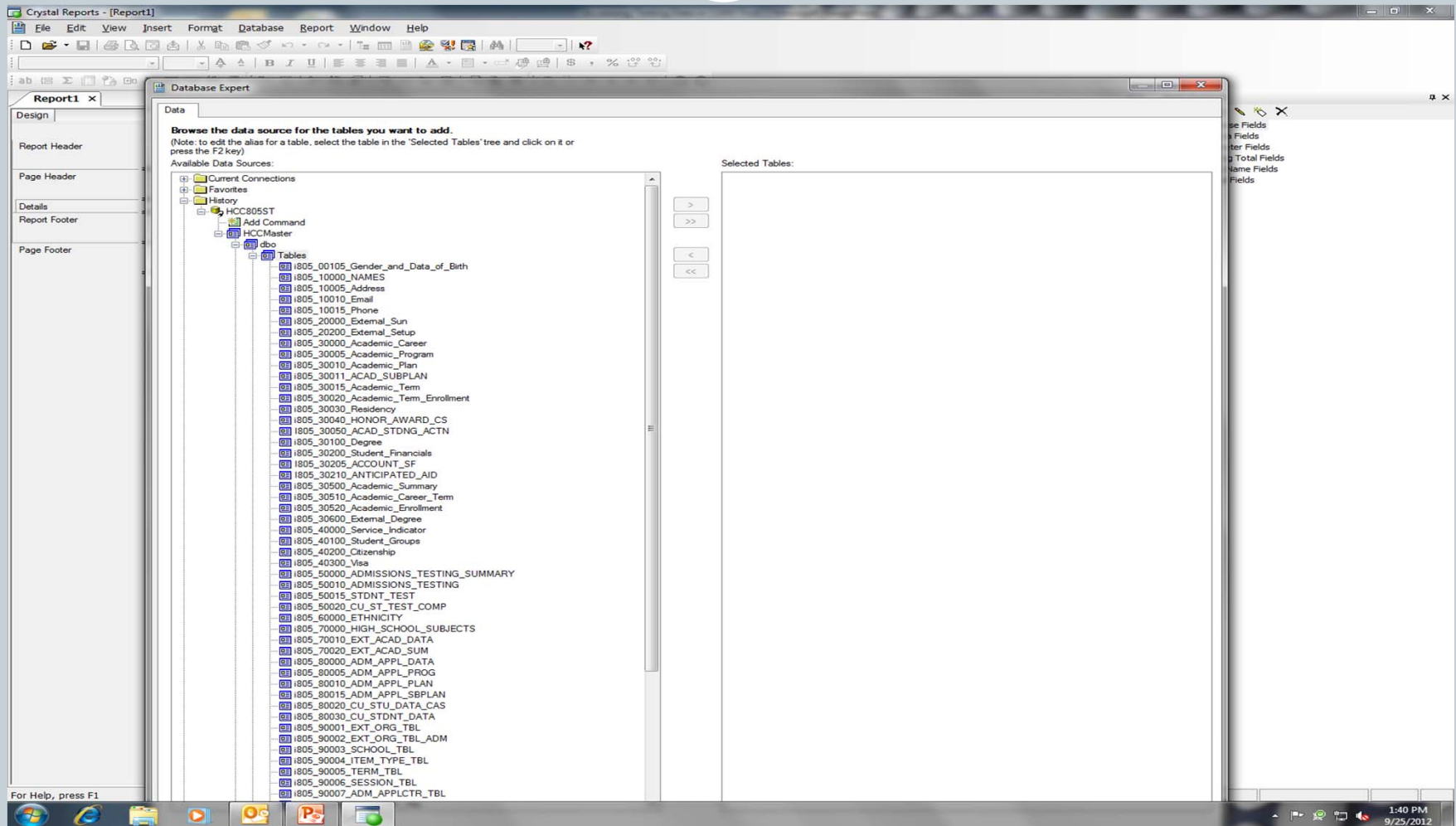
I-805 in SPSS

30



I-805 in Crystal Reports

31



I-805 Data View in SPSS

32

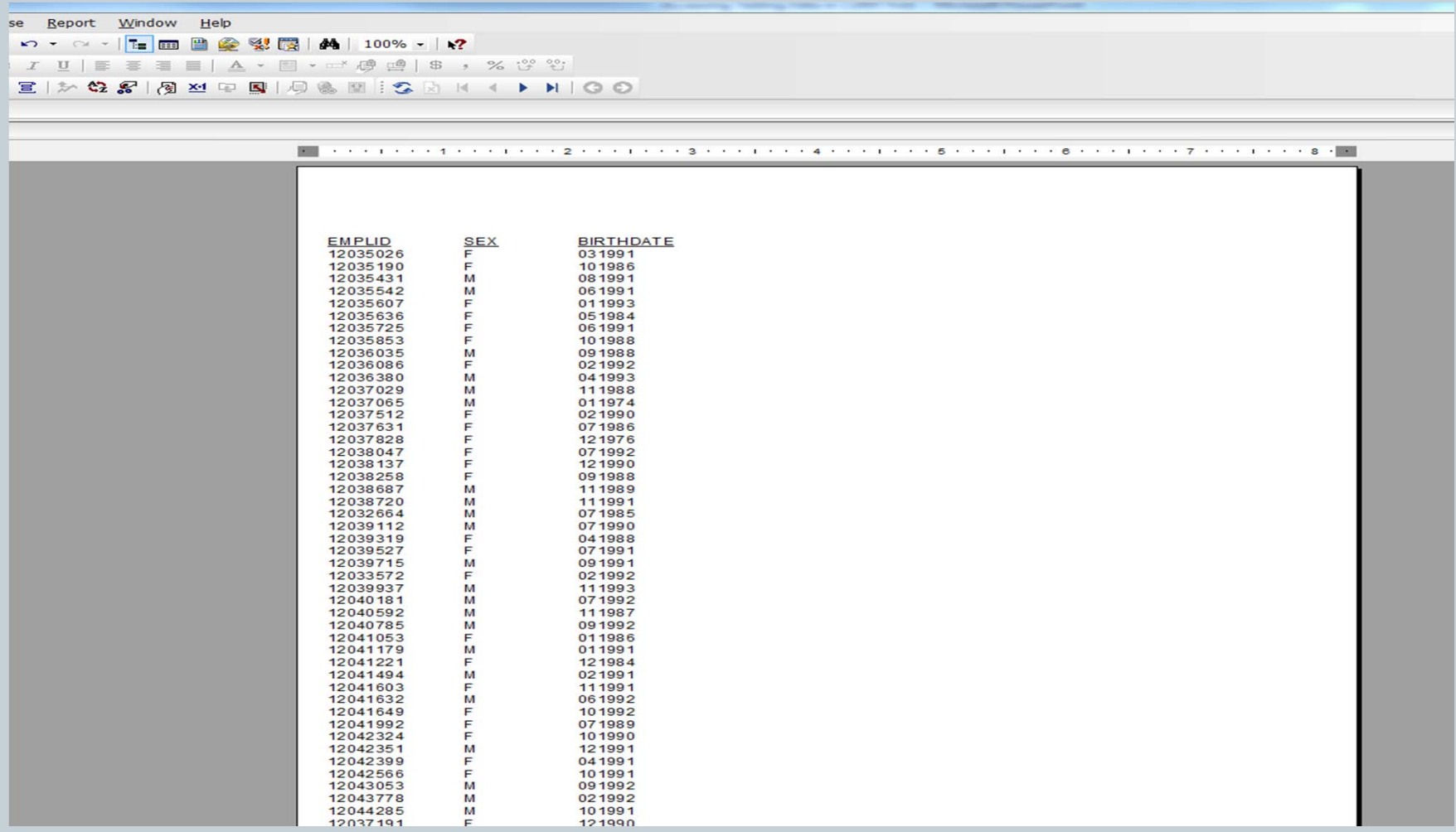
IBM SPSS Statistics Data Editor

	EMPLID	TEST_ID	TEST_COMPONENT	TEST_DT	SCORE	SCORE_LETTER	EXT_ACAD_LEVEL	PERCENTILE	var
676	10852841	CPE	CPET2	10/10/2006	2.00		0	0	
677	10852841	CPE	CPETW	03/03/2007	35.00	PASS	0	0	
678	10852841	CPE	CPETW	10/10/2006	26.00	FAIL	0	0	
679	10852841	CUNY-ESSAY	WE1	03/07/2006	3.00		0	0	
680	10852841	CUNY-ESSAY	WE1	11/09/2005	3.00		0	0	
681	10852841	CUNY-ESSAY	WE1	07/12/2005	3.00		0	0	
682	10852841	CUNY-ESSAY	WE1	06/14/2005	3.00		0	0	
683	10852841	CUNY-ESSAY	WE1	03/29/2005	3.00		0	0	
684	10852841	CUNY-ESSAY	WE1	01/18/2005	3.00		0	0	
685	10852841	CUNY-ESSAY	WE1	12/10/2004	3.00		0	0	
686	10852841	CUNY-ESSAY	WE1	05/17/2004	2.00		0	0	
687	10852841	CUNY-ESSAY	WE1	01/15/2004	2.00		0	0	
688	10852841	CUNY-ESSAY	WE1	12/10/2003	2.00		0	0	
689	10852841	CUNY-ESSAY	WE1	12/30/2002	1.00		0	0	
690	10852841	CUNY-ESSAY	WE2	03/07/2006	4.00		0	0	
691	10852841	CUNY-ESSAY	WE2	11/09/2005	3.00		0	0	
692	10852841	CUNY-ESSAY	WE2	07/12/2005	3.00		0	0	
693	10852841	CUNY-ESSAY	WE2	06/14/2005	3.00		0	0	
694	10852841	CUNY-ESSAY	WE2	03/29/2005	3.00		0	0	
695	10852841	CUNY-ESSAY	WE2	01/18/2005	3.00		0	0	
696	10852841	CUNY-ESSAY	WE2	12/10/2004	3.00		0	0	
697	10852841	CUNY-ESSAY	WE2	05/17/2004	2.00		0	0	
698	10852841	CUNY-ESSAY	WE2	01/15/2004	2.00		0	0	
699	10852841	CUNY-ESSAY	WE2	12/10/2003	2.00		0	0	
700	10852841	CUNY-ESSAY	WE2	12/30/2002	1.00		0	0	
701	10852841	CUNY-ESSAY	WEF	03/07/2006	7.00	PASS	0	0	
702	10852841	CUNY-ESSAY	WEF	11/09/2005	6.00	FAIL	0	0	
703	10852841	CUNY-ESSAY	WEF	07/12/2005	6.00	FAIL	0	0	
704	10852841	CUNY-ESSAY	WEF	06/14/2005	6.00	FAIL	0	0	
705	10852841	CUNY-ESSAY	WEF	03/29/2005	6.00	FAIL	0	0	
706	10852841	CUNY-ESSAY	WEF	01/18/2005	6.00	FAIL	0	0	
707	10852841	CUNY-ESSAY	WEF	12/10/2004	6.00	FAIL	0	0	
708	10852841	CUNY-ESSAY	WEF	05/17/2004	4.00	FAIL	0	0	
709	10852841	CUNY-ESSAY	WEF	01/15/2004	4.00	FAIL	0	0	
710	10852841	CUNY-ESSAY	WEF	12/10/2003	4.00	FAIL	0	0	
711	10852841	CUNY-ESSAY	WEF	12/30/2002	2.00	FAIL	0	0	
712	10852841	GEDS	ENGL	04/16/2012	50.00		0	0	
713	13167499	ACT-MATH-3	MPL1	06/09/2009	22.00		0	0	
714	13167499	ACT-MATH-3	MPL2	06/09/2009	32.00		0	0	
715	13167499	ACT-MATH-3	MPL3	06/09/2009	18.00		0	0	
716	13167499	ACT-READING	RAF	12/11/2010	93.00	PASS	0	0	
717	13167499	ACT-READING	RAF	06/09/2009	69.00	FAIL	0	0	
718	13167499	CUNY-ESSAY	WE1	06/09/2009	4.00		0	0	

Data View Variable View

I-805 Data View in Crystal Reports

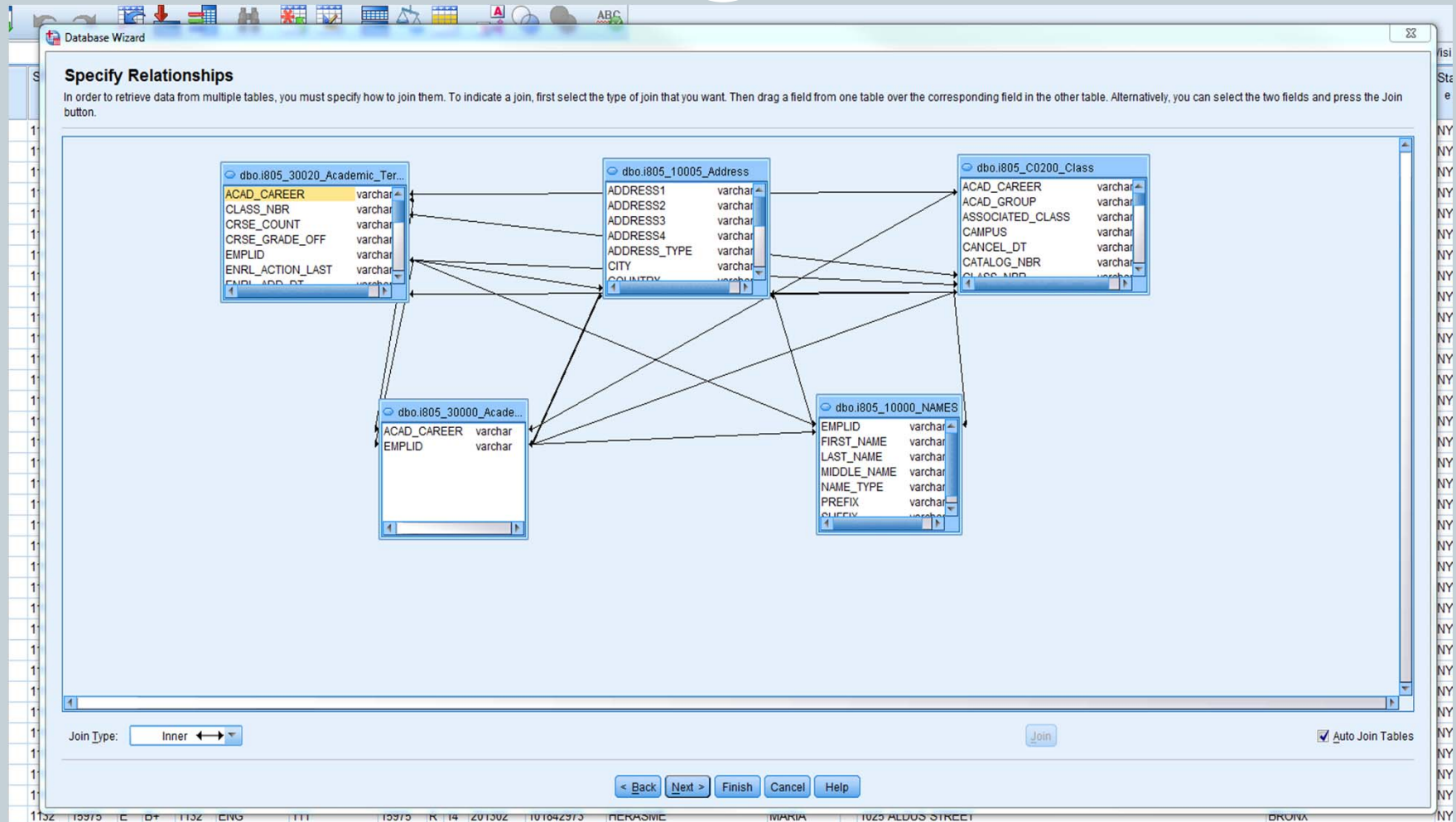
33



<u>EMPLID</u>	<u>SEX</u>	<u>BIRTHDATE</u>
12035026	F	03/1991
12035190	F	10/1986
12035431	M	08/1991
12035542	M	06/1991
12035607	F	01/1993
12035636	F	05/1984
12035725	F	06/1991
12035853	F	10/1988
12036035	M	09/1988
12036086	F	02/1992
12036380	M	04/1993
12037029	M	11/1988
12037065	M	01/1974
12037512	F	02/1990
12037631	F	07/1986
12037828	F	12/1976
12038047	F	07/1992
12038137	F	12/1990
12038258	F	09/1988
12038687	M	11/1989
12038720	M	11/1991
12032664	M	07/1985
12039112	M	07/1990
12039319	F	04/1988
12039527	F	07/1991
12039715	M	09/1991
12033572	F	02/1992
12039937	M	11/1993
12040181	M	07/1992
12040592	M	11/1987
12040785	M	09/1992
12041053	F	01/1986
12041179	M	01/1991
12041221	F	12/1984
12041494	M	02/1991
12041603	F	11/1991
12041632	M	06/1992
12041649	F	10/1992
12041992	F	07/1989
12042324	F	10/1990
12042351	M	12/1991
12042399	F	04/1991
12042566	F	10/1991
12043053	M	09/1992
12043778	M	02/1992
12044285	M	10/1991
12037191	F	12/1990

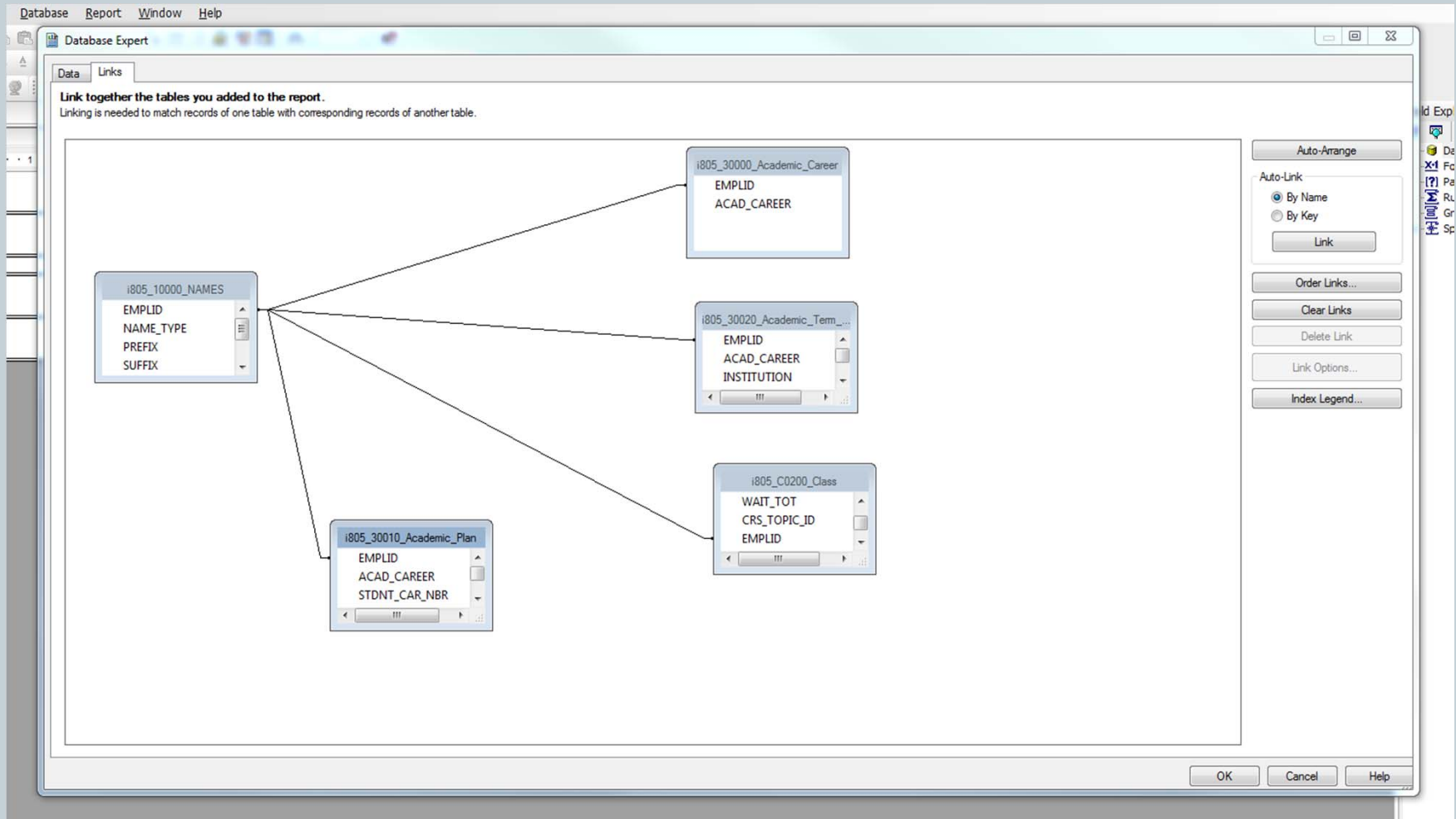
I-805 Joins in SPSS

34



I-805 Joins in Crystal Reports

35



Example of SPSS Syntax for I-805

36

```
* *****
* THIS PROGRAM CREATES A DATA FILE CONTAINING THE MOST RECENT SKILLS TEST SCORES.
* THE OUTPUT FROM THIS PROGRAM IS SENT TO THE FACULTY IN ENG AND ESL DEVELOPMENTAL.
* COURSES FOR THEIR USE.
* THE PROGRAM GETS THE TEST DATA, MATCHES IT TO COURSE INFORMATION, AND STUDENT NAMES.
* IT IS A THING OF BEAUTY.
* *****
* *****
* The initial part of the program accesses the I-805 file and extracts the most recent test information for .
* all students, regardless of their enrollment status in the current term.
* The data are aggregated to a single record containing the most recent skills test information for the students.
* *****

GET DATA
  /TYPE=ODBC
  /CONNECT='DSN=HCC805ST;Description=I085 CUNY First Extract:UID=;Trusted Connection=Yes:APP=IBM'+
  'SPSS Statistics;WSID=B4070014229RG;DATABASE=HCCMaster'
  /SQL='SELECT EMPLID, TEST_ID, TEST_COMPONENT, TEST_DT, SCORE, SCORE_LETTER, EXT_ACAD_LEVEL, '+
  'PERCENTILE FROM dbo.i805_50010_ADMISSIONS_TESTING'
  /ASSUMEDSTRWIDTH=255.
CACHE.
EXECUTE.
ALTER TYPE ALL(A=AMIN).
DATASET NAME DataSet1 WINDOW=FRONT.

frequencies variables = test_id test_component score score_letter.

string testyear (a4) testmon (a2) testday (a2) testdate (a8).
compute testyear = substr (test_dt, 7, 4).
compute testmon = substr (test_dt, 1, 2).
compute testday = substr (test_dt, 4, 2).

compute testdate = concat (testyear, testmon, testday).
frequencies variables = testdate.

sort cases by emplid test_id test_component testdate.
```

I-805 Summary

37

- **Advantages**

- Easy access using SPSS, Crystal Reports, Access, etc.
- Saving SPSS syntax allows quick programming.
- Plethora of data available.

- **Disadvantages**

- Can be difficult to navigate:
 - need to learn table content, variables;
 - joints can be very tricky, relationships between tables not intuitive.
- Up to 24 hour lag to update.
- Only a few terms of data available.
- Need to obtain access from IT department.

I-184a Extract

38

ARIEL COHEN

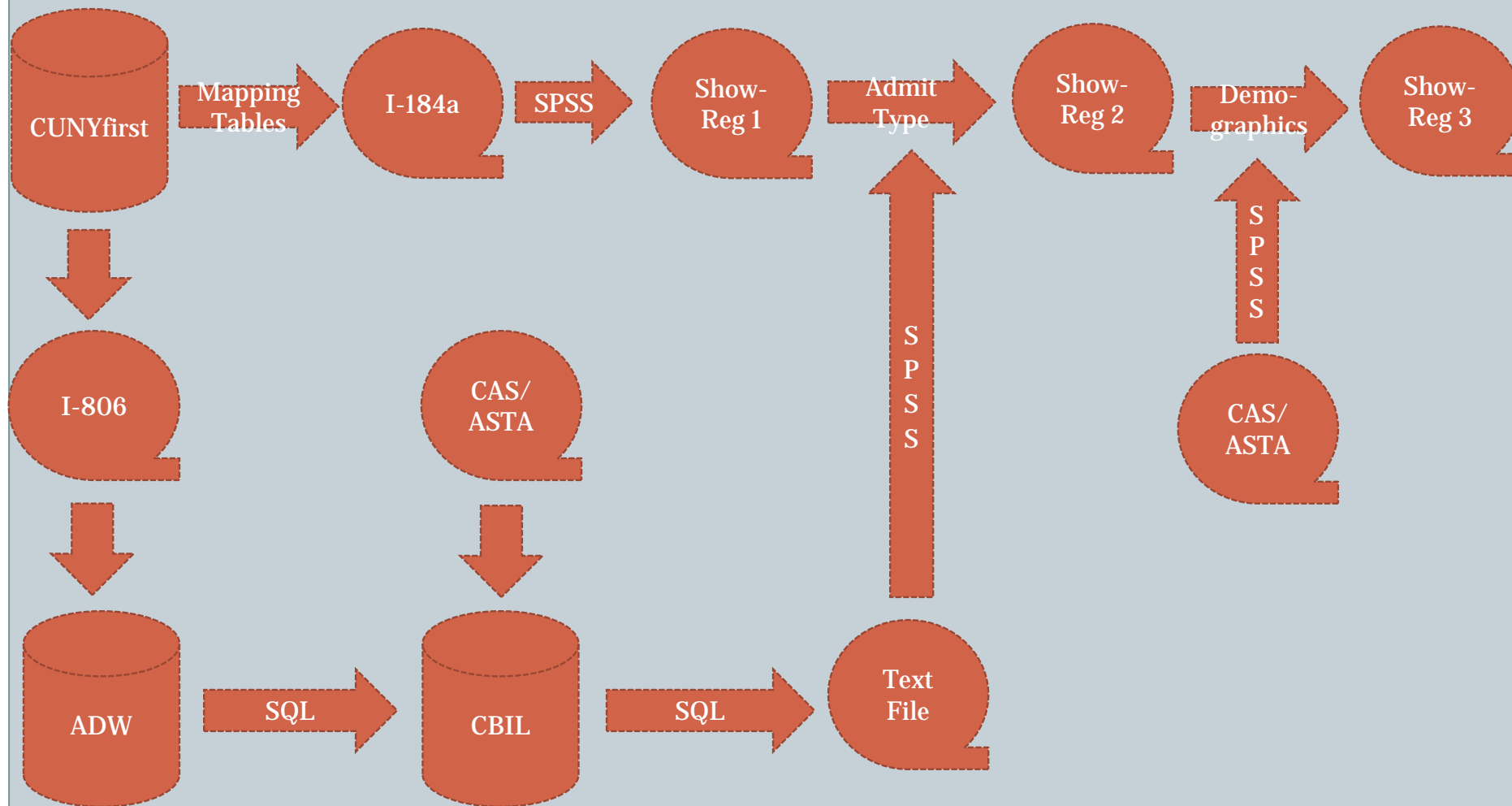
MANAGER OF STUDENT INFORMATION

OFFICE OF INSTITUTIONAL RESEARCH & ANALYSIS

CUNY CENTRAL OFFICE

Process of Creating a Show-Registration File

39



I-184a Summary

40

- **Advantages**

- One record per student, career, institution, and term.
- Large set of student demographic, enrollment, performance, tuition, and graduation data.

- **Disadvantages**

- Cannot be run for all institutions overnight.
- File is extremely large (32,000 columns).
- Layout not optimal for degrees granted.
- Computed fields are not dependable.
- Difficult to get modifications.

CBIL

CUNY Business Intelligence Lite

41

ARIEL COHEN

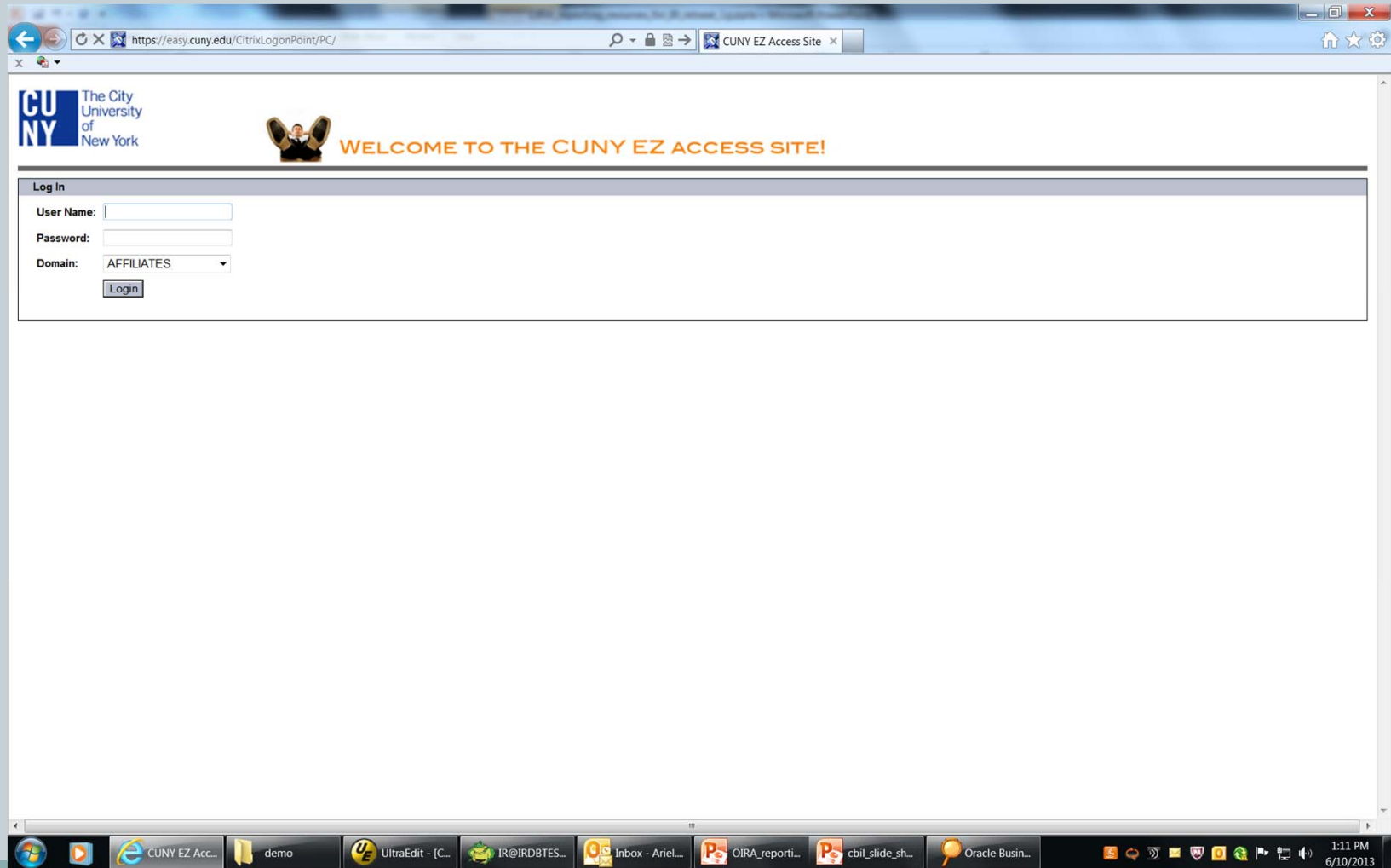
MANAGER OF STUDENT INFORMATION

OFFICE OF INSTITUTIONAL RESEARCH & ANALYSIS

CUNY CENTRAL OFFICE

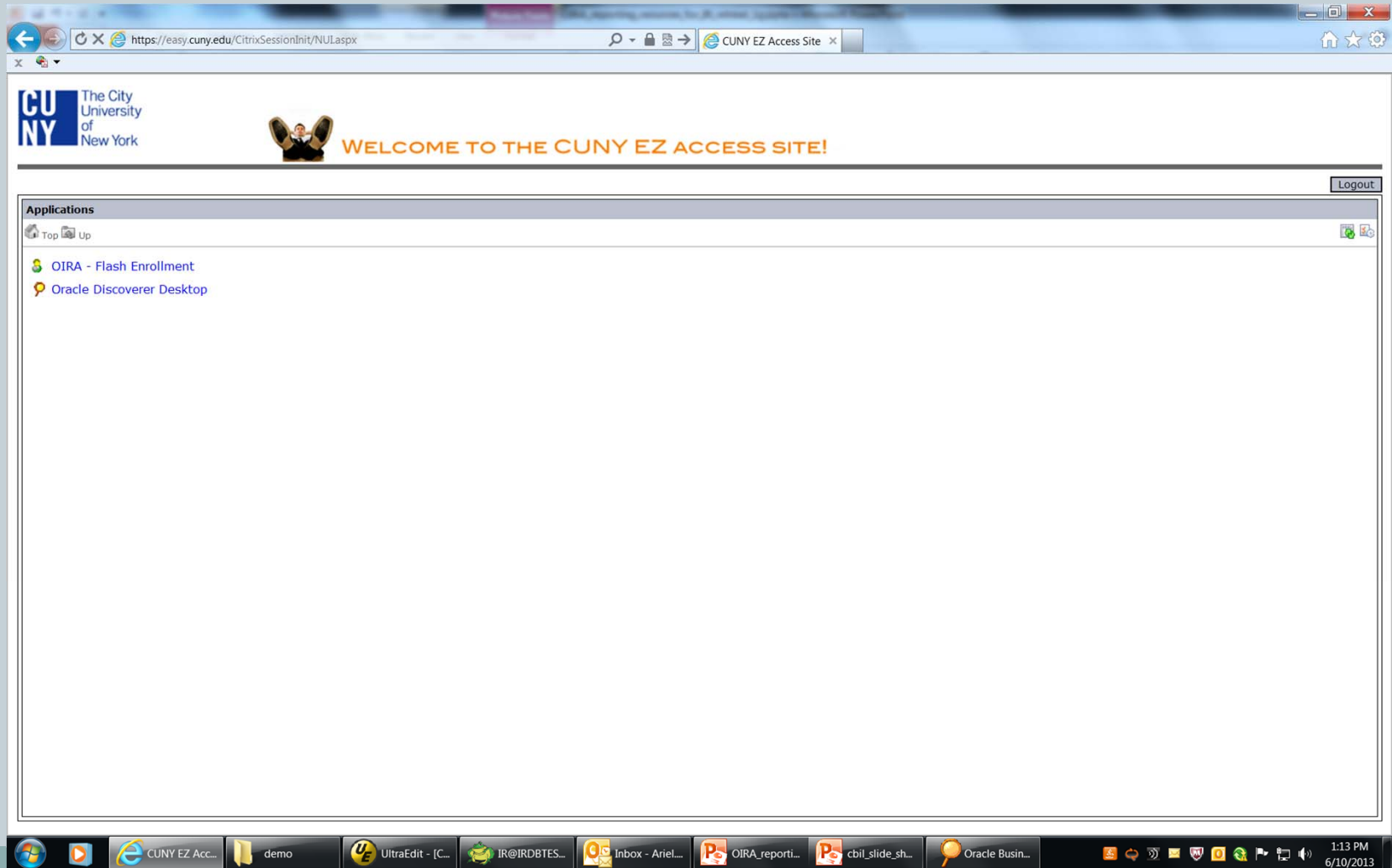
https://easy.cuny.edu/CitrixLogonPoint/PC/

42



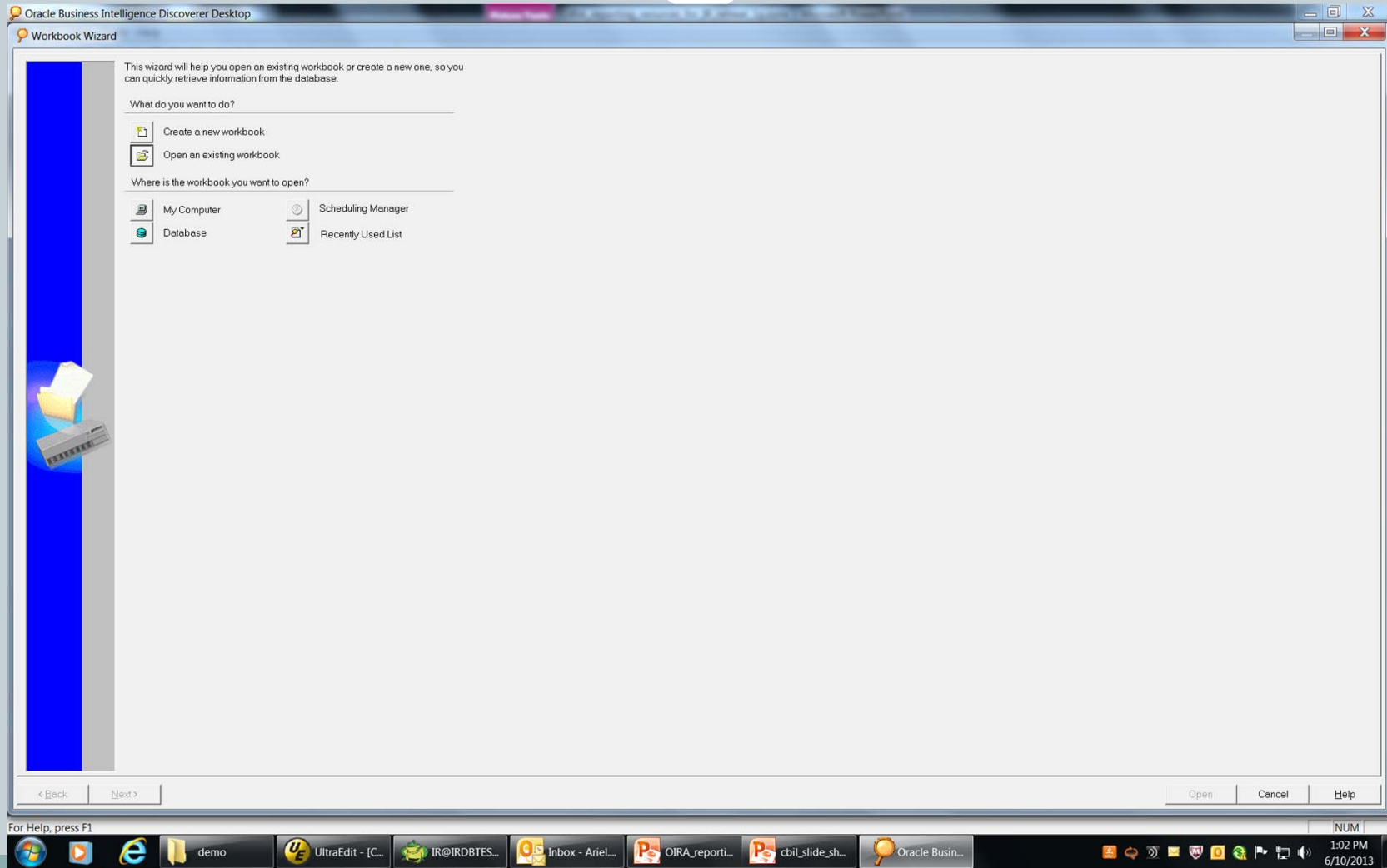
Oracle Discoverer Desktop

43



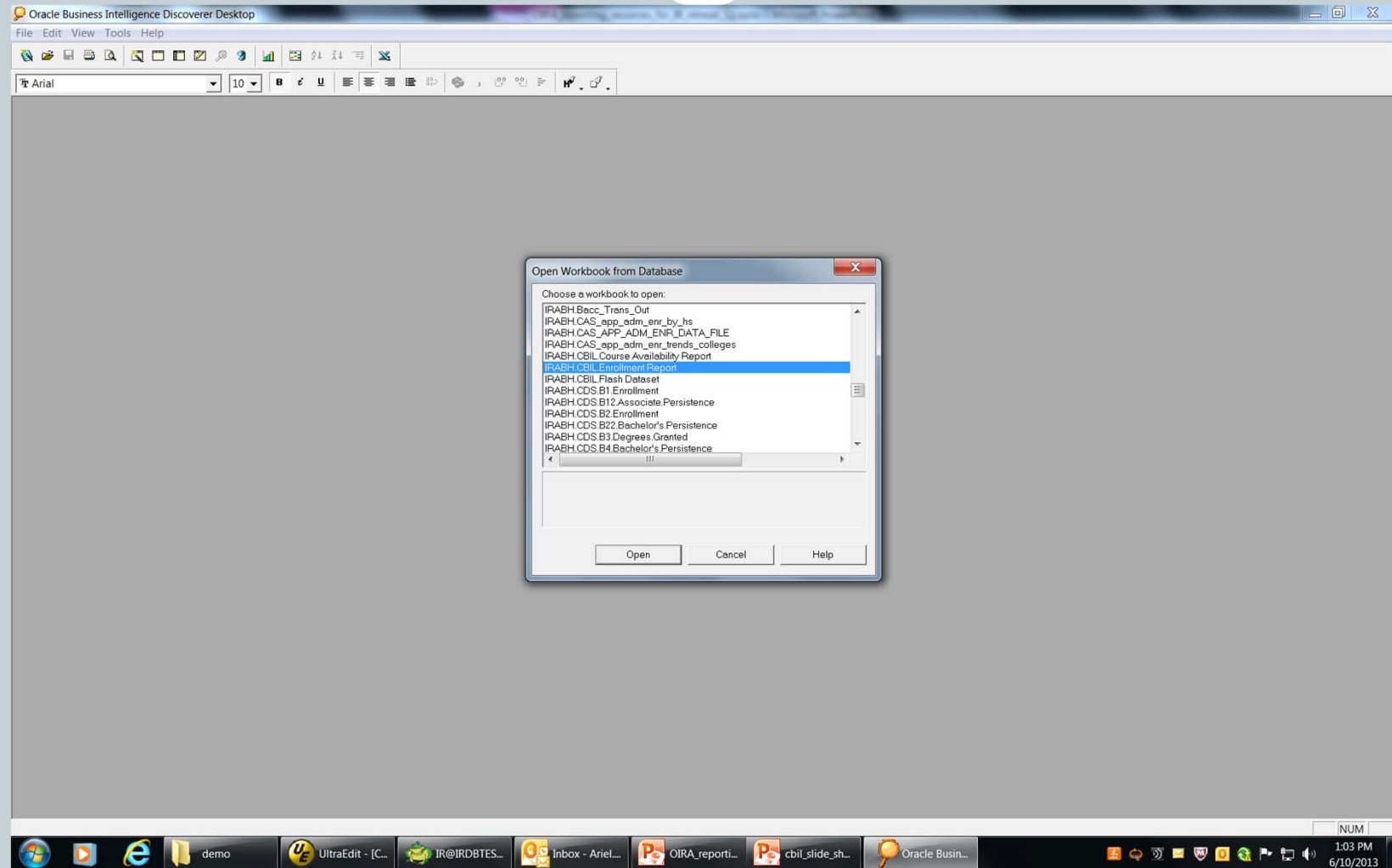
Workbook Wizard

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Open Workbook from Database

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CBIL Enrollment Report

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Oracle Business Intelligence Discoverer Desktop - [IRABH.CBIL.Enrollment Report]

File Edit View Sheet Format Tools Graph Window Help

Arial 10

CBIL ENROLLMENT REPORT

Page Items: CF Institution: <All> IR Run Date: 10-JUN-2013 IR College Name: <All> IR Semester Enrolled: Fall IR Year Enrolled: 2013

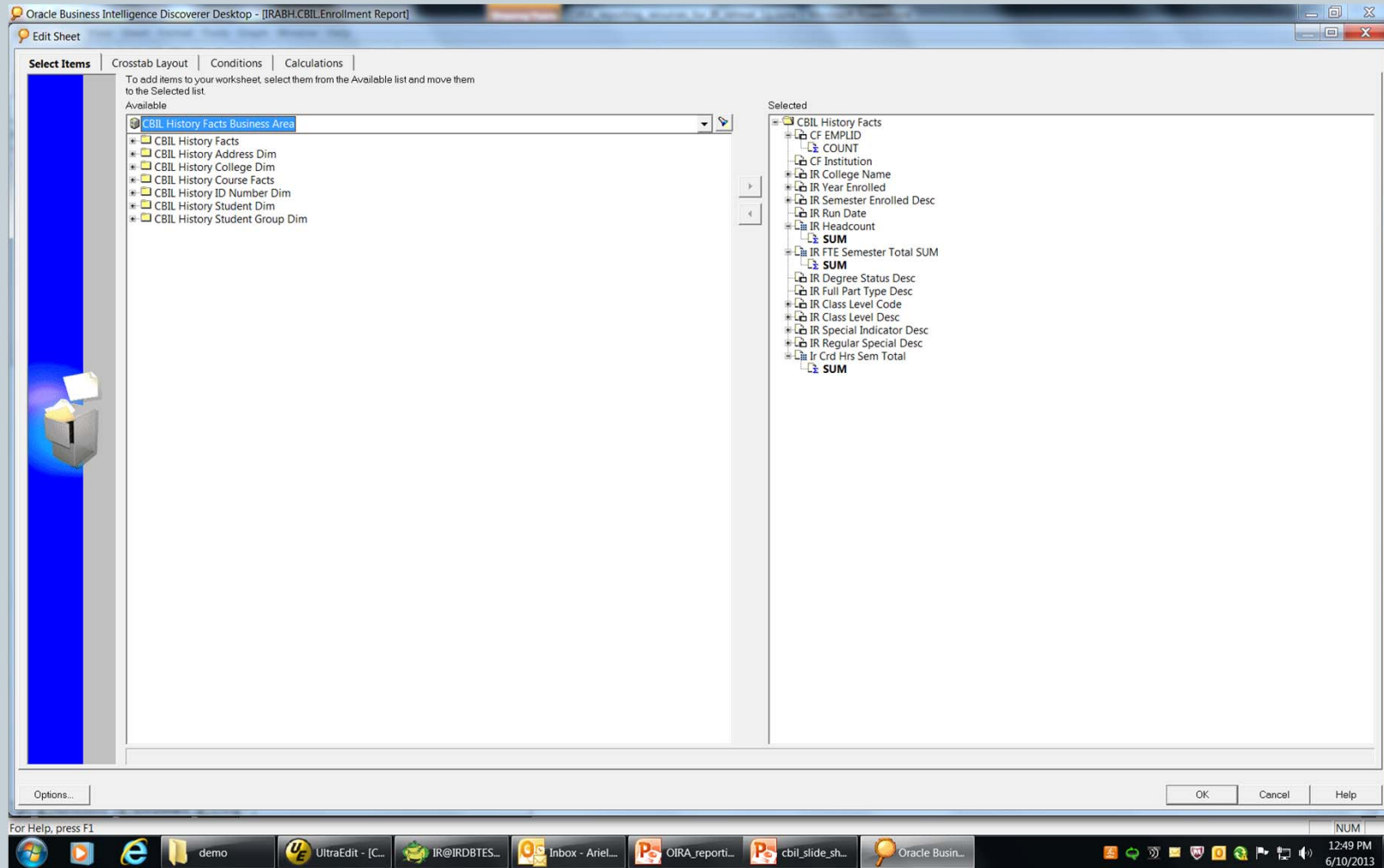
IR Class Level	IR Degree Status	IR Full-time/Part-time	IR SEEK/CD	IR Special Indicator	IR N-Count	IR Headcount	IR Credits+Hours	IR Semester FTEs
1 UNDERGRADUATE	DEGREE	FULL-TIME	Regular	PERMIT-IN	4		52	3
				BLANK	49,643	49,643	692,015	46,147
			Special	PERMIT-IN	1		14	1
				BLANK	3,319	3,319	46,218	3,082
			FT/PT SUBTOTAL		52,967	52,962	738,298	49,233
		PART-TIME	Regular	PERMIT-IN	11		40	3
				BLANK	30,746	30,745	220,589	14,711
			Special	BLANK	854	854	6,440	429
			FT/PT SUBTOTAL		31,611	31,599	227,068	15,143
		DEGREE STATUS SUBTOTAL			84,578	84,561	965,366	64,375
	NONDEGREE	FULL-TIME	Regular	HIGH SCHOOL STUDENT	27	27	434	29
				BLANK	53	53	727	48
			FT/PT SUBTOTAL		80	80	1,161	77
		PART-TIME	Regular	PERMIT-IN	71		281	19
				HIGH SCHOOL STUDENT	73	73	332	22
				BLANK	364	361	1,932	129
			FT/PT SUBTOTAL		508	434	2,545	170
		DEGREE STATUS SUBTOTAL			588	514	3,705	247
	CLASS LEVEL SUBTOTAL				85,166	85,075	969,071	64,622
2 GRADUATE	DEGREE	FULL-TIME	Regular	PERMIT-IN	1		3	0
				BLANK	1,663	1,663	22,893	1,901
			FT/PT SUBTOTAL		1,664	1,663	22,896	1,901
		PART-TIME	Regular	PERMIT-IN	2		9	1
				BLANK	6,182	6,182	37,090	3,076
			Special	BLANK	1	1	7	1
			FT/PT SUBTOTAL		6,185	6,183	37,106	3,077
		DEGREE STATUS SUBTOTAL			7,849	7,846	60,001	4,978
	NONDEGREE	FULL-TIME	Regular	BLANK	2	2	28	2
			FT/PT SUBTOTAL		2	2	28	2
		PART-TIME	Regular	PERMIT-IN	1		4	0
				BLANK	69	69	341	28
			FT/PT SUBTOTAL		70	69	345	29
		DEGREE STATUS SUBTOTAL			72	71	373	31
	CLASS LEVEL SUBTOTAL				7,921	7,917	60,374	5,009

NUM

12:58 PM 6/10/2013

Edit Sheet

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Crosstab Layout

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Oracle Business Intelligence Discoverer Desktop - [IRABH.CBIL.Enrollment Report]

Edit Sheet

Select Items | **Crosstab Layout** | Conditions | Calculations

To change the layout of items in your worksheet, click and drag them to the desired location.

☒ Show Page Items

Page Items: CF Institution | IR Run Date | IR College Name | IR Semester Enrolled Desc | IR Year Enrolled

Data Points

IR Class Level Code	CF EMPLID COUN	IR Headcount SU	Ir Crd Hrs Sem Total SL	IR FTE Semester Total SUM SU
IR Class Level Desc				
IR Degree Status Desc				
IR Full Part Type Desc				
IR Regular Special Desc				
IR Special Indicator Desc				

Options... OK Cancel Help

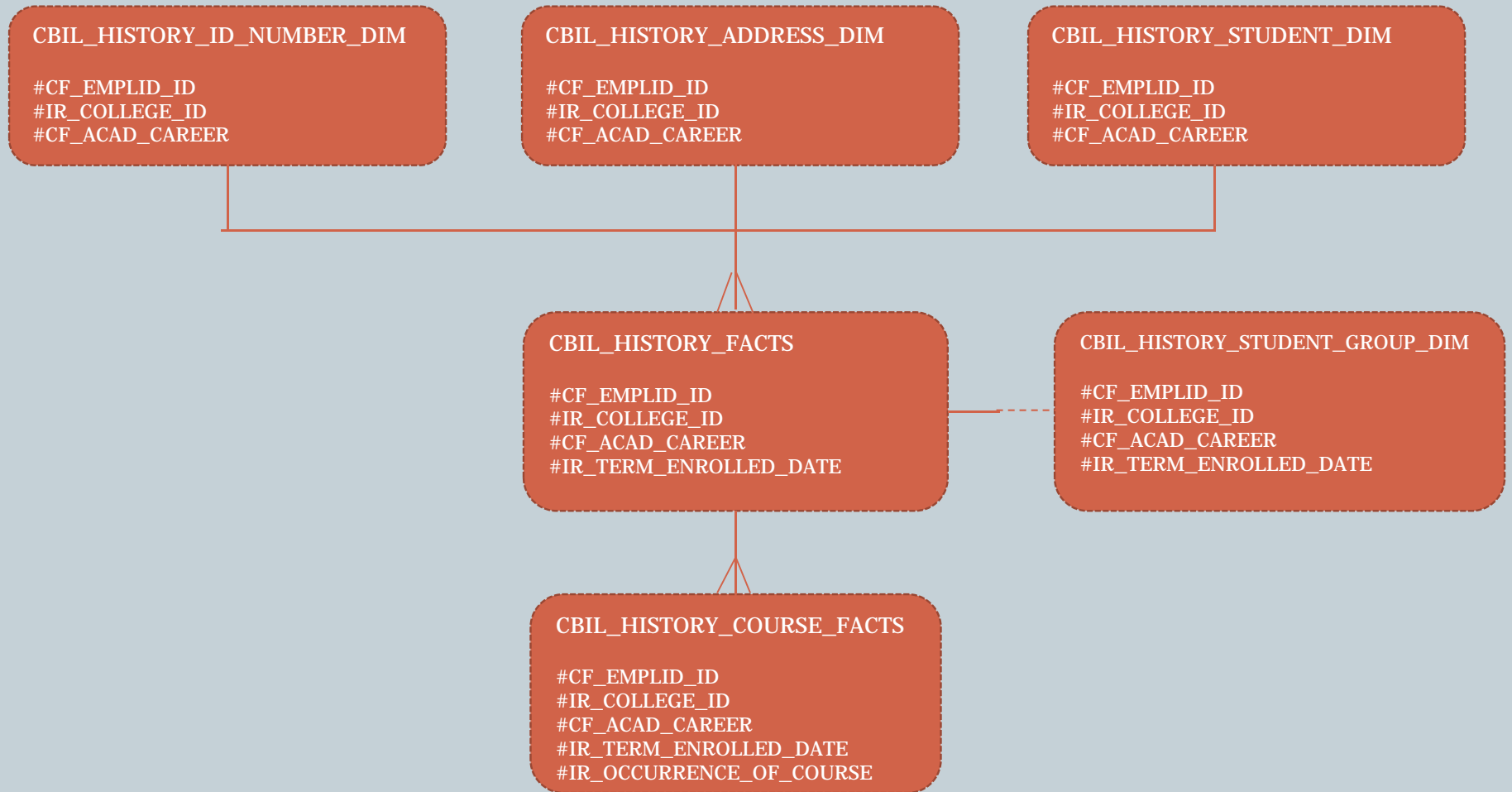
For Help, press F1

NUM 12:55 PM 6/10/2013

demo UltraEdit - [C... IR@IRDBTES... Inbox - Ariel... OIRA_reporti... cbil_slide_sh... Oracle Busin...

CBIL History Facts Business Area

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CBIL Summary

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- **Advantages**

- Data model is similar to IRDB.
- Meaningful categories such Type of Admission and Degree Pursued are computed in ways consistent with census data.
- Oracle Discoverer facilitates both canned and ad-hoc reporting.

- **Disadvantages**

- Data are not refreshed until noon of the following day.
- Limited set of enrollment data available.

IRDB

Institutional Research Database

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ARIEL COHEN

MANAGER OF STUDENT INFORMATION

OFFICE OF INSTITUTIONAL RESEARCH & ANALYSIS

CUNY CENTRAL OFFICE

IRDB Summary

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- **Advantages**

- Census enrollment data going back to 1990
- Admissions, skills, and financial aid data.
- Data model facilitates reporting of trends and outcomes.

- **Disadvantages**

- Steep learning curve.
- Difficult to introduce new elements into data model.
- Delays in finalizing and loading census data.

Future Reporting Resources

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MARK CASAZZA

DIRECTOR OF ACADEMIC INFORMATION

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CUNY CENTRAL OFFICE

Limitations of Current Approach

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- **CUNYfirst Reporting Instance and Interfaces**
 - CIS resources are still focused on CUNYfirst rollout.
 - Interfaces (extracts) are redundant and difficult to modify.
 - Query Manager has limited functionality.
- **Independent campus-based BI Solutions**
 - Numerous IR offices tackling BI challenges in isolation.
 - Potential for increased inconsistencies in data definitions.
 - Significant duplication of work when working independently.

Limitations of Current Approach (cont'd)

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- **IRDB and CBIL**
 - CBIL does not meet all campus needs.
 - Oracle Discoverer has limited querying, presentation and analytical options.
 - ✦ It has also been depreciated with the current version of Oracle.
 - IRDB and CBIL data are not web accessible or structured for drilling through/across dimensions or the representation of time.

Future Data

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- **Improved ELT (extract/load/transform) process**
 - Provide access to CUNYfirst data in a more timely manner.
 - Eliminate static extracts from the data flow.
 - Integrate current data with census data in near real-time.
- **Flexible data models**
 - Conform current and census data and work toward eliminating data “silos” and increasing re-usability.
 - Create the ability to integrate new data and expand the range of possible analyses.
- **Collaborate with colleges to assess current and future needs for reporting and analysis**

Future Data Uses

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- **Greatly expanded end-user functionality enabling:**
 - intuitive ad-hoc queries
 - scheduled reports
 - data visualization
 - self-service reporting/analysis
 - sharing analyses among various stakeholders
 - increased usability expanding usage and access to data
 - interactive executive dashboards allowing the campus community to interact with data on their own schedules rather than reporting cycles.

General Project Plan

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- Build required new skill-sets internally utilizing training and external expertise.
- Collaborate with colleges to establish a process for gathering user requirements.
- Migrate census and current data into models that allow for flexible reporting and analysis.
- Make data available through Oracle Business Intelligence on web ~~and mobile~~ browsers.