UDW+ ROADSHOW

PROGRAM SERVICES OFFICE
 AGENDA

• What is the UDW+ Program and the Financial Reporting and Analytics Project?
• Benefits of UDW+/OBIEE vs Brio
• Sneak Peak of UDW+ Dashboards and Standard Reports
• Customized Roll-out Approach
• UDW+ Training Program
• Decision Support Group
• Q & A
WHAT IS UDW+ AND THE FINANCIAL REPORTING AND ANALYTICS PROJECT?
What is UDW+?

The **University Data Warehouse Plus is a Program** aimed at:

- Establishing Decision Support Services around reporting and analytics
- Formalizing Data Management Policies and Practices that ensure integrity and accessibility
- Rebuilding existing University Data Warehouse architecture for more intuitive and integrated access to University data
- Over time, the UDW+ will replace the current University Data Warehouse architecture.
- UDW+ is not used for transactions

What is OBIEE?

- OBIEE will replace the current Brio reporting tool.
- The **Oracle Business Intelligence Enterprise Edition** is a reporting tool that pulls data from the UDW+ to deliver a full range of reporting and analytical capabilities including interactive dashboards, full ad hoc capabilities, alerts, and reports.
UDW+ ARCHITECTURE OVERVIEW

- Dashboards
- Interactive Reports
- Ad-Hoc
- “Pixel Perfect” Reports
- Alerts

Reporting (OBIEE)

University Data Warehouse (UDW+)

Finance (FAME)

DRM

Human Resources (HRIS)

Student (SIS/Albert)

Pre-Award Grants Management (InfoEd & Cayuse)

Fundraising & Alumni Relations (Advance)

Capital Projects Management (CPACS)

Others (TBD)

Transactions

Financial Reporting & Analytics Rollout
KEY FEATURES AND BENEFITS OF UDW+
CURRENT UDW / Brio “PAIN POINTS”

- Slow processing speed
- System unstable, excessive downtime
- Numbers do not reconcile
- Data is inaccurate
- Data is unreliable
- Requires multiple logins
- Need to run many reports to get needed data
- Not intuitive
- Requires advanced technical knowledge to run ad hoc reports
- Creates a need to use a shadow system
- Not Mac compatible
- Inability to keep formatting when exporting to Excel
- Does not allow drill-down
- Not flexible enough for each school’s specific needs
UDW+ “WISHING WELL”

- Accurate Data
- Reliable Data
- Reconciled Numbers
- Consolidated Reports
- Drill-down Capability
- Intuitive Navigation
- Easy to create Ad Hoc Reports
- Flexible reporting options to meet each school’s needs
- Faster Processing Speed
- System Stability
- Mac Compatibility
- One login
- Keep formatting when exporting to Excel
- Intuitive Navigation
- Easy to create Ad Hoc Reports
- Flexible reporting options to meet each school’s needs
- Faster Processing Speed
- System Stability
- Mac Compatibility
- One login
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- Easy to create Ad Hoc Reports
- Flexible reporting options to meet each school’s needs
- Faster Processing Speed
- System Stability
- Mac Compatibility
- One login
- Keep formatting when exporting to Excel
<table>
<thead>
<tr>
<th>SOLUTIONS WITH THE NEW UDW+</th>
</tr>
</thead>
<tbody>
<tr>
<td>✓ Single sign-on</td>
</tr>
<tr>
<td>✓ Broader variety of interactive reports and dashboards tailored to the requirements of the various financial user groups</td>
</tr>
<tr>
<td>✓ Ability to Drill-Down to transaction detail</td>
</tr>
<tr>
<td>✓ Ability to Drill-Across (starting with salary details)</td>
</tr>
<tr>
<td>✓ Hierarchies for Org and Account with Drill-Down capabilities</td>
</tr>
<tr>
<td>✓ More intuitive navigation and more robust search capabilities</td>
</tr>
<tr>
<td>✓ Clearly defined subject areas organized with more intuitive business names</td>
</tr>
<tr>
<td>✓ Ability to save &amp; publish Ad-Hoc reports in a shared folder</td>
</tr>
<tr>
<td>✓ Ability to maintain formatting when exporting to Excel</td>
</tr>
<tr>
<td>✓ Enhanced and ongoing internal UDW+ Training Program specific to user needs</td>
</tr>
<tr>
<td>✓ Custom tailored communications for the entire Financial Reporting Community</td>
</tr>
</tbody>
</table>
SNEAK PEAK AT UDW+
### Who Needs What Financial Information

<table>
<thead>
<tr>
<th>Role</th>
<th>Dashboards/Reports</th>
</tr>
</thead>
<tbody>
<tr>
<td>Deans/Department Head</td>
<td>Financial Indicators dashboard, Departmental Metrics Dashboard, Financial Operations Dashboard, Comparative Analysis Dashboard, Standard Interactive Reports</td>
</tr>
<tr>
<td>Fiscal Officers</td>
<td>Financial Operations Dashboard, Comparative Analysis Dashboard, Standard Interactive Reports</td>
</tr>
<tr>
<td>Department Administrators</td>
<td>Financial Operations Dashboard, Standard Interactive Reports</td>
</tr>
<tr>
<td>Managers</td>
<td>Financial Operations Dashboard, Grants Management Dashboard (for PI), Standard Interactive Reports</td>
</tr>
<tr>
<td>Principal Investigators</td>
<td>Grants Management Dashboard (for Grants Admin), Standard Interactive Reports</td>
</tr>
<tr>
<td>Grant Administrators</td>
<td>Grants Management Dashboard (for Grants Admin), Standard Interactive Reports</td>
</tr>
</tbody>
</table>

- Person can choose to have access to any dashboards and/or reports
- Training is Mandatory
FINANCIAL DASHBOARDS

- Financial Operations
- Grants Management
- Financial Indicators
- Comparative Analysis
- Interactive Standard Reports
- Ad Hoc Reports
Target Audience

- Financial reporting users who have a responsibility to maintain and manage a budget, such as:
  - Fiscal Officers
  - Department Administrators
  - Faculty Members
  - Departmental Assistants

Dashboard Purpose

- Users who track balances and budgets as well as activity through the Accounts Payable pipeline.
- This Dashboard combines information that is currently available in standard finance reports, such as Budget Summary, Budget Detail, Fund Balance, Budget Exception, Budget Control, and AP reports, into one central source for monitoring budget balances and related activity.
Balance Overview page shows a glance at all your activity across all your funds.

Expandable Account Hierarchy

Drill to transaction detail
Balance Detail for a specific chartfield combination

Drill to transaction detail

Additional sections showing Project Details, Fund Balance, Endowment Value, and Open Advances (when applicable)
The Vendor Search page displays AP related information for a vendor. Showing vendor transactions from purchasing to payment.

- Purchase Orders recorded in *fame*
- Invoices Processed
- Payments Issued
The PO Search page shows information for a specific Purchase Order. View PO line details, including distribution and balances.
**Grants Management Dashboard**

**Target Audience**
- Principal Investigator
- Grants Administrator
- Department Administrator
- Fiscal Officer

**Dashboard Purpose**
- The Grants Management Dashboard provides useful financial information for managing Grants and their budgets.
- This Dashboard includes all of the budget, expense and encumbrances transactions throughout the life of a grant.
- Users can track grant expenditures by project, across PIs, across departments, and across time periods other than NYU fiscal years.
The PI Summary page answers the questions of “How much money is left on my projects?”

### Cost Sharing by Project
- Can drill to detail (such as Total Project Indirect Cost)

### Expected Award Amount by Grant Year
- Additional sections to flag projects that are either at risk, with exceptions, or coming to an end within 90 days

### Dollar Amount Left to Spend
- Additional sections to flag projects that are either at risk, with exceptions, or coming to an end within 90 days
The Expense Breakdown page profiles expenses for a specific project.

**Project Attributes**

- **F7067 - GOALI: Design of Crystal Growt**
- **Sponsor:** NATIONAL SCIENCE FOUNDATION
- **PI:** WARD, MICHAEL
- **Award #:** DMR-1206337
- **Current Overhead Rate:** 54%
- **Sponsor Fringe Rate:** 28%
- **Project Start:** 6/5/2012
- **Project End:** 5/31/2015
- **Overhead Accounts:** Click Here

**Breakdown of direct and indirect cost**

<table>
<thead>
<tr>
<th>Account Type</th>
<th>Authorized Budget</th>
<th>Expenses</th>
<th>Encumbrances</th>
<th>Pending</th>
<th>Total Projected</th>
<th>Remaining Balance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Direct</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Personnel</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Expense</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>OTPS</td>
<td>74,174.67</td>
<td>11,249.33</td>
<td></td>
<td>24.43</td>
<td>62,900.91</td>
<td></td>
</tr>
</tbody>
</table>

Financial information grouped by expense accounts, with optional drills to detail.
The Grants Budget Detail page shows financial information for a specific project viewable in FY, Grant Year, or Calendar Year.

View spending by Fiscal Year, Grant Year or Calendar Year.

Financial information grouped by time, with optional drills to detail.
Grants Administrators can also view aggregated financial information using the following pages of the Dashboard:

- Grants by Fund
- Grants by Org
- Grants by PI
**Target Audience**
- Deans
- Division Heads
- Department Heads
- Department Chairs

**Dashboard Purpose**
- The Financial Indicators Dashboard gives quick access to summary metrics of financial activity, generally in graphical form, to oversee the financial performance of a school, division or department.
- It represents summary data using graphs and complements the details available in other Dashboards.
The Summary page profiles year-to-date revenue and expense and shows how revenue and expense compare to the same time in prior years.
The Revenue page provides a more detailed look at revenue and profiles revenue for the current and prior years.
The Tuition page profiles tuition revenue, by student type, over time and compared to budget.

Compare Undergraduate Gross Tuition revenue to financial aid.

Can also view Balance of Trade information.
The Expendable Fund Balance page profiles the balances available to be spent in Management Designated and Donor Designated Funds.
The Endowment page profiles Expendable Endowment Income (Fund 21) and Endowment Fund Balances (Funds 40-46).

View your Endowment Market Value by Purpose and/or Type.

Compare your Endowment Market and Book Value to prior years.
The Expense page profiles expenses by category of Personnel, OTPS, and Transfers for the current and prior years.

Amount spent, budgeted and remaining

Compare Expenses in specific areas within division
The Sponsored Programs page profiles sponsored program expense (in Funds 24, 25 and 73) and activity.

View trend in spending, by specific areas within division.

Sponsored Program Expenses by purpose, sponsor, or type.

Can also view direct and indirect expense.
The Capital Projects page profiles summary information on active capital projects.

Amount spent on Debt Service and specific capital projects, and balance remaining.
Target Audience

- Fiscal Officers
- Fiscal Analysts
- Department Administrator
- General Financial Reporting Users

Dashboard Purpose

- The Comparative Analysis Dashboard is intended to provide users with the ability to trend and forecast financial information.
- This Dashboard primarily uses aggregate year-to-date and monthly data.
- Users can analyze financial measures such as Budget, Actual and Balance by Time (Fiscal Years and Accounting Period), Account Program and Project.
- Analysis can be performed using the various levels of the Account and Org hierarchies.
The Summary page shows the trend in expense and revenue in the current year, and as compared to prior years.
The Time Comparison Analysis page provides the ability to analyze financial data by Time (Fiscal Year). You may select the same or different fact amounts to compare them in different time periods.

The left section displays "Trending Over Fiscal Years" for the current and previous year. The right section displays "Year to Date and Same Period in Prior Years".

<table>
<thead>
<tr>
<th>Accounting Period</th>
<th>Fiscal Year</th>
<th>Actuals</th>
</tr>
</thead>
<tbody>
<tr>
<td>January 2010</td>
<td>152,045,944.82</td>
<td></td>
</tr>
<tr>
<td>January 2011</td>
<td>177,892,261.90</td>
<td></td>
</tr>
<tr>
<td>January 2012</td>
<td>213,699,908.88</td>
<td></td>
</tr>
<tr>
<td>January 2013</td>
<td>181,849,012.52</td>
<td></td>
</tr>
<tr>
<td>Grand Total</td>
<td>742,882,000.12</td>
<td></td>
</tr>
</tbody>
</table>
The Account Comparison Analysis page profiles financial data by Account, using account hierarchies. Multiple accounts and/or account categories can be selected to analyze financial performance at various levels.

Use this page to investigate spikes and/or drops in trend analysis at the account and account category levels.
The Project and Program Comparison Analysis pages profile financial data for multiple projects or programs.

Use the Project and Program Comparison Analysis pages to trend project or program revenue or expenses over time.
The Variance Analysis page allows for easy comparison of financial amounts.

**Same Amount Compared Across Fiscal Years (i.e. Expense Budget in 2011 to 2012)**

**Different Amounts Compared Across Fiscal Years (Expense Budget compared to Expense Actuals in 2011 and 2012)**

Expandable Account Hierarchy
**INTERACTIVE STANDARD REPORTS**

**Target Audience**
- All Financial Reporting Users

A variety of Interactive Standard Reports are available for quickly locating budget, fund balance, and accounts payable information.

**Standard Reports include:**
- Budget Summary and Detail Reports
- Budget Control Reports
- Fund Balance and Change in Funds Reports
- Project Summary Report
- Accounts Payable and Purchase Order Reports
- Budget Exceptions Report
- Salary Expense Reports
Interactive Standard Reports include different Roll-up options.

Can drill-down to details on hyperlinked values.
Target Audience

- Advanced financial reporting users who would like to create and share custom ad hoc reports (Super Users).

Purpose

- Users have the ability to build custom ad hoc reports to meet the specific financial reporting and analysis needs of their school/division.
- Ad hoc reports can be created with basic and complex analysis, adding graphs, formatting reports, as well as other advanced functions of the reporting tool.
User-friendly reporting tool that allows you to easily construct a custom query by adding columns and filters for use in reports, tables, graphs, and dashboards.
UDW+ CUSTOMIZED ROLL-OUT STRATEGY
UDW+ GENERAL ROLL-OUT STRATEGY

Core Users:
Select CDV, Budget Office users, and Data Stewards. (total estimated at 25-30)

Beta Testing Users:
Select Academic and Administrative Division Representatives (total of approximately 40)

Super Users:
Operating Committee, and Working Committee members. Select designees from each division (such as FO’s and Deans). (total estimated at 140)

Department Users:
All departmental (and global location) financial reporting users currently using Brio on a regular basis (total estimated at 850-900)

Occasional and Potential Users:
Occasional financial reporting and analytics users who currently use Brio infrequently (estimated to be 200-250 users)
Potential users who have not used Brio in the past but will benefit from it (estimated to be 1,000+ users)

April 2012: Core Users
July 2012: Beta Testing Users
November 2012: Beta Users
January/February 2013: Super Users
March/April 2013: Department Users
May/June 2013: Occasional & Potential Users
Ongoing Training Program
# UDW+ Customized Roll-out Timeline

<table>
<thead>
<tr>
<th>Division/Department</th>
<th>January 2013</th>
<th>February 2013</th>
<th>March 2013</th>
<th>April 2013</th>
</tr>
</thead>
<tbody>
<tr>
<td>Faculty of Arts &amp; Sciences (FAS)</td>
<td>160</td>
<td>Super User Training</td>
<td>Roadshow TBS</td>
<td>Depart Users Training</td>
</tr>
<tr>
<td>College of Dentistry (CoD)</td>
<td>70</td>
<td>Super User Training</td>
<td>Roadshow TBS</td>
<td>All other users (including Dept Admins, PI's, and Dept Heads)</td>
</tr>
<tr>
<td>College of Nursing (CoN)</td>
<td>20</td>
<td>Super User Training</td>
<td>Roadshow TBS</td>
<td>Research and Financial Reporting</td>
</tr>
<tr>
<td>Courant Institute of Mathematical Sciences (CIMS)</td>
<td>25</td>
<td>Super User Training</td>
<td>Roadshow TBS</td>
<td>Dept Users Training</td>
</tr>
<tr>
<td>Gallatin School of Individual Study</td>
<td>20</td>
<td>Super User Training</td>
<td>Roadshow TBS</td>
<td>Possible Training of Dean, Dept Heads, PI's</td>
</tr>
<tr>
<td>Leonard Stern School of Business</td>
<td>60</td>
<td>Super User Training</td>
<td>Roadshow TBS</td>
<td>Possible Training of Dean and Potential Users</td>
</tr>
<tr>
<td>NYU Abu Dhabi</td>
<td>20</td>
<td>Super User Training</td>
<td>Roadshow TBS</td>
<td>Dept Users Training</td>
</tr>
<tr>
<td>Robert F. Wagner School of Public Service</td>
<td>35</td>
<td>Super User Training</td>
<td>Roadshow TBS</td>
<td>Dept Users Training</td>
</tr>
<tr>
<td>School of Continuing and Professional Studies</td>
<td>30</td>
<td>Super User Training</td>
<td>Roadshow TBS</td>
<td>Dept Users and Dept Heads Training</td>
</tr>
<tr>
<td>School of Law</td>
<td>40</td>
<td>Super User Training</td>
<td>Roadshow TBS</td>
<td>Training for Dean</td>
</tr>
<tr>
<td>Silver School of Social Work</td>
<td>10</td>
<td>Super User Training</td>
<td>Roadshow TBS</td>
<td>Dept Users Training</td>
</tr>
<tr>
<td>Steinhardt School of Culture, Education, and Human Development</td>
<td>100</td>
<td>Super User Training</td>
<td>Roadshow TBS</td>
<td>Dept Users Training</td>
</tr>
<tr>
<td>Tisch School of the Arts (TOSA)</td>
<td>7</td>
<td>Super User Training</td>
<td>Roadshow TBS</td>
<td>Dept Users Training</td>
</tr>
<tr>
<td>Division of Libraries</td>
<td>35</td>
<td>Super User Training</td>
<td>Roadshow TBS</td>
<td>Dept Users Training</td>
</tr>
<tr>
<td>NYU Shanghai</td>
<td>3</td>
<td>Super User Training</td>
<td>Roadshow TBS</td>
<td>Dept Users Training (TBD)</td>
</tr>
<tr>
<td>VP Global/Multi-Cultural Affairs (Study Away)</td>
<td>25</td>
<td>Super User Training</td>
<td>Roadshow TBS</td>
<td>Dept Users Training</td>
</tr>
<tr>
<td>EVP Finance and IT: Financial Operatings and Treasury, Controller’s Division</td>
<td>70</td>
<td>Super User Training</td>
<td>Roadshow TBS</td>
<td>Dept Users Training</td>
</tr>
<tr>
<td>EVP Finance and IT: Information Technology Services (ITS) - Financial Reporting team (including GTS)</td>
<td>15</td>
<td>Super User Training</td>
<td>Roadshow TBS</td>
<td>Dept Users Training</td>
</tr>
<tr>
<td>EVP Finance and IT: Office of Budget &amp; Planning</td>
<td>12</td>
<td>Super User Training</td>
<td>Roadshow TBS</td>
<td>Dept Users Training</td>
</tr>
<tr>
<td>EVP (Operations) - FCM, Campus Services, Central Plant, HR, OCM, Public Safety, Strategic Assess/Planning, and other small units</td>
<td>70</td>
<td>Super User Training</td>
<td>Roadshow TBS</td>
<td>Dept Users Training (Sr. Managers, Dept Admins)</td>
</tr>
<tr>
<td>Provost - VP Student Affairs &amp; Services, URPA, Provost Faculty Affairs, Provost Academic Affairs, Sr V Provost for Research</td>
<td>90</td>
<td>Super User Training</td>
<td>Roadshow TBS</td>
<td>All Dept Users (including Deans and PI's)</td>
</tr>
<tr>
<td>Sr VP Development &amp; Alumni Affairs</td>
<td>25</td>
<td>Super User Training</td>
<td>Roadshow TBS</td>
<td>Dept Users Training</td>
</tr>
<tr>
<td>Divisions with &lt; 10 financial reporting users will follow</td>
<td></td>
<td></td>
<td></td>
<td>Occasional and Potential Users</td>
</tr>
</tbody>
</table>

- Institute of Fine Arts (1)
- Institute for the Study of the Ancient World (7)
- President (5)
- Chief of Staff & VP Admin (6)
- Sr VP & General Counsel (1)
- Sr VP for Health (3)
- EVP Finance and IT, Office of Internal Audit (6)
- EVP Finance and IT, Investment Office (1)
- EVP Finance and IT, Office of Real Estate (1)

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**Roadshow Dates:**
- 2/12, 2/14, 2/20
- 2/27
- 3/1
- 3/4
- 3/11
- 3/18
- 3/25
- 4/1
- 4/8
- 4/15
- 4/22
- 4/29
In Collaboration with **Robert Knight, Leslie Brown** and **Lillian Padilla**, the following UDW+ Roll-Out and Training Timeline has been established **Steinhardt**.

- **July - November 2012:** Core User Training
- **March/April 2013:** Department User Training
- **May/June 2013:** Occasional & Potential Users Training
- **Ongoing Training Program**
UDW+ TRAINING PROGRAM
eLearning:
- Target Audience: all Dashboard and Interactive Standard Report users
- Courses designed to be specific to the user’s role and responsibilities
- Assessment must be completed to be granted access to UDW+

Supplemental Learning Labs:
- Target Audience: Dashboard and Interactive Standard Report users who need additional training following eLearning
- Facilitated Learning Labs where users can ask questions and get hands-on practice
- Customized department-led follow-up training and/or workshop
- Tips and Tricks

Classroom Training
- Target Audience: Ad Hoc Reporting users
- Required for Ad Hoc access
- eLearning prerequisite

Subject Area Workshops
- Target Audience: Ad Hoc Reporting user focusing on a specific Subject Area
- Led by Subject Matter Experts in each of the Subject Areas for Ad Hoc reporting
- One-on-one time with SME to develop custom Ad Hoc Reports
- Classroom Training prerequisite

One-on-One Training
- Target Audience: Executive level users (Deans)
- Scheduled as necessary with Division

Virtual Instructor Led Training
- Target Audience: all UDW+ users who would like additional training or support, following the completion of the initial training requirement
- Refresher training
- Optimization/enhancement training
- One-on-one support
- Users in distant locations

Community Collaboration (Ad Hoc Reporting Users’ Forum):
- Target Audience: Ad Hoc Reporting users
- Share ideas amongst units for Ad Hoc Reports that were created to meet specific needs
- Share reporting challenges and solutions
- Blog / Wiki

Ongoing Training Offerings
**TRAINING NEXT STEPS**

Login to iLearn, enroll in and complete the **FIN 800: UDW+ Dashboards Online Training.**

Also accessible via iLearn, enroll in and pass the corresponding **Quiz.**

Quiz corresponds to the FIN 800 online training course that you selected and completed, as indicated on the last page of the course.

Access to UDW+ will be granted within three business days.

If needed, enroll in additional UDW+ course offerings via iLearn.

A list of UDW+ course offerings and descriptions is available in the UDW+ Training Course Catalog on our website [www.nyu.edu/datawarehouse](http://www.nyu.edu/datawarehouse)
DECISION SUPPORT GROUP
The mission of the DSG is to:

- Provide reporting and analytical assistance to the global UDW+ user community.
  - Respond to user incidents and requests.
  - Proactively disseminate data issues and solutions.
  - Work with multiple stakeholders to identify process changes that will improve data accuracy and efficiency.
- Provide iLearn and Classroom training on utilizing UDW+.
- Create a Knowledgebase containing essential information for understanding data in UDW+.
- Help users produce financial and University mission analyses.
The Support Framework is based on 3 Tiers

Decision Support Group (DSG)

**Tier 1**

*Goal: To resolve 80% of all inquiries*

Data Stewards and Data Custodians

**Tier 2**

*Tier 2 assists the DSG in producing solutions for user community*

Data Trustees

**Tier 3**

*DSG can engage Tier 3 when policies & processes need to be addressed*

The DSG reports to the Vice President of Budget and Financial Planning

*All UDW+ issues are reported to the DSG*

*If DSG cannot resolve the issue they will involve the appropriate tiered support for resolution*
The DSG is fully staffed in Washington Square with a Director, a Senior Analyst, and three Analysts.

Please contact the DSG for all UDW+ related questions.

Contact Information for the DSG:

• Email: askdsg@nyu.edu
• Phone: 8-2900
• Web: www.nyu.edu/datawarehouse and visit the Decision Support Group section
QUESTIONS?

Additional information about UDW+ is available at www.nyu.edu/datawarehouse