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# Creating Tableau Dashboards with IPEDS Data: How To, Tips, and Tricks

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## Goals

- To learn what data are available in the IPEDS data center, and how to retrieve them.
- To be able to use these data to create a basic benchmarking dashboard with Tableau.
- To review some advanced techniques for creating more useful and informative visualizations in Tableau.
- To gain an understanding of how these dashboards can be used to aid in institutional research and planning.



## Agenda

Tableau basics

The IPEDS Data Center

Building a dashboard – Admissions Data

- Basic – Filters and calculated fields
- Intermediate – Parameters and more calculated fields

Advanced techniques

- Comparison charts
- Chart switching on a dashboard
- Dashboard actions

Uses for Institutional Research

Questions



### Tableau Desktop

- Create, manage, edit, and update workbooks locally. Can be deployed to a server (campus, public or online).
- Personal vs Professional – Need professional for DB connections

### Tableau Server

- View and edit published workbooks in a secure environment

### Tableau Online

### Tableau Public

- Free, but not secure

### Tableau Reader

- View and interact with dashboards

### Backwards compatibility issues



IES NCES National Center for Education Statistics

IPEDS Integrated Postsecondary Education Data System

Your primary source for information on U.S. colleges, universities, and technical and vocational institutions.

Find Your College Use the Data Report Your Data Join In

### Find Your College

- College navigator
- College scorecard

### Use the Data

- IPEDS Data Center
- Customizable, downloadable data

### Report Your Data

- Log in to complete surveys
- Collection Level Data Center (Most recent data available)

### Join In

- Training
- Resources

All data reported to IPEDS is available, as well as copies of the actual surveys submitted



### IPEDS

IPEDS Data Use Help Desk (866) 558-0658 or [ipedstools@rti.org](mailto:ipedstools@rti.org)

### Use the Data

Access IPEDS data submitted to NCES through our data tools or download the data to conduct your research

[Overview of IPEDS Data](#)  
Get a bird's eye view of IPEDS data: learn what data are collected and how you can use the various tools on this page to access IPEDS data.

[Data Trends](#)  
Use the Trend Generator to view trends on most frequently asked subject areas including: Enrollment, Completions, Graduation Rates, Employees and Staff, Institutional Revenues, and Financial Aid.

[Look Up an Institution](#)  
Look up information for one institution at a time. Data can be viewed in two forms: institution profile (similar to College Navigator) and reported data (institution's response to each survey question).

[Data Feedback Report](#)  
Download, print, or customize an institution's Data Feedback Report, a report that graphically summarizes selected institutional data and compares the data with peer institutions.

[Statistical Tables](#)  
Create simple descriptive statistics (e.g., total, count, average, median, standard deviation, percentiles) on selected IPEDS institutions and variables.

[Summary Tables](#)  
Customize a summary table for a select subgroup of institutions on the following popular topics: tuition and fees, room and board, student financial aid, admissions, test scores, student enrollment, degree/certificate awarded, and graduation rates.

[Compare Institutions](#)  
Download IPEDS data files for more than 7,000 institutions and up to 250 variables. Data files are provided in comma separated value (\*.csv) format.

[Survey Data](#)  
Data are available starting with the 1980-81 collection year for the *Complete data files* and *Custom data files* functions, which zip the data into comma separated value (\*.csv). Beginning with the 2011-12 collection year, data for each collection year are compiled into an *Access database*.  
Select download option

[Shortcuts](#)  
Use these shortcuts to expedite the research process if you are a frequent or returning data user.  
Select your shortcut

[Publications and Products](#)  
Review publications using IPEDS data including First Looks, Web Tables, methodology reports, and Digest Tables.

[Resources](#)  
[IPEDS Glossary](#)  
[Archived Survey Forms](#)  
[Delta Cost Project](#)  
[IPEDS Data Center User Manual](#)  
[IPEDS Data Dissemination and Release Procedures](#)  
[NCES Newsflash](#)

- For this exercise we will use “Compare Institutions”



Data Center Help Desk (866) 558-0658

What data would you like to access?

[Data Release Cycle Info](#)

Available Data	Provisional Release ⓘ	Final Release ⓘ
Institutional Characteristics	2014-15	2008-09 to 2013-14
Pricing and Tuition	2014-15	2008-09 to 2013-14
Admissions	2014-15	2008-09 to 2013-14
Completions	2013-14	2007-08 to 2012-13
12-month Enrollment	2013-14	2007-08 to 2012-13
Fall Enrollment	2014	2008 to 2013
Graduation Rates	2014	2008 to 2013
Student Financial Aid	2013-14	2007-08 to 2012-13
Finance	2013-14	2007-08 to 2012-13
Human Resources	2014-15	2008-09 to 2013-14
Academic Libraries	2013-14	--

For years that final data are available, select which release you would like to use:

Use provisional release data  Use final release data

[Continue](#)

1. Select Institutions    2. Select Variables    3. Output

My Comparison Institution - None Selected ⓘ [ADD](#)

Select Variables - Total 0 variables selected

How would you like to select institutions to include in your data file/report?

By Names or UnitIDs     By Groups     By Variables     By Uploading a File

Data Collection: 2014 [[change year](#)]

7687 institution(s) [Clear](#) [Search](#)

Select

First Look Universe ⓘ     Title IV participating ⓘ     U.S. only     All institutions

Special missions (if any)

Historically Black College or University     Tribal College     Land Grant Institution

Special characteristics

State or other jurisdiction

- Data from all surveys are available (final or provisional)
- Collection level data center allows access to current year (Go back to main page → Click Report Your Data → “Answer The Current Survey” → Log In → Click “Tools” → Click “Go to Collection Level Data Center)
- Select institutions: can create groups, use groups, or download all (By groups → EZ Group → “All Institutions”)





**1. Select Institutions**   **2. Select Variables**   3. Output

My Comparison Institution - None Selected ⓘ ADD

Select Institutions - You have selected 7687 institution(s) VIEW / MODIFY

How would you like to select variables to include in your data file/report?

[Browse/Search Variables](#)   [Choose from My Variables](#)   [Create Derived Variables](#)   [Upload Variables](#)

---

Continuous variable    Alpha/String variable    Categorical variable

Search for variable(s)  Search When you have finished selecting variables from the tree, click Continue Continue

Frequently used/Derived variables

Institutional Characteristics

**Admissions and Test Scores**

Admissions and test scores

Considerations

Number of applications, admissions, and enrollees

Step 1: Select Year(s) ⓘ

2014-15    2013-14    2012-13    2011-12    2010-11    2009-10    2008-09    2007-08

2006-07    2005-06    2004-05    2003-04    2002-03    2001-02

Select from the List of Variables

[Select All](#) | [Unselect All](#)

Fall reporting period for applicant and admissions (applicable prior to 2014-15) ⓘ

Applicants total ⓘ

Applicants men ⓘ

Applicants women ⓘ

Admissions total ⓘ

Admissions men ⓘ

Admissions women ⓘ

Enrolled total ⓘ

-Select the variables you would like (up to 250 for “Compare Institutions”)

-Click continue

-Download a CSV file

-You can create derived variables if you desire



Excel screenshot showing a CSV export of IPEDS data. The formula bar shows the selected cell contains the text "Applicants men (ADM2014)".

	A	B	C	D	E	F	G	H	I	J
1	UnID	Institution Name	Applicants men (ADM2014)	Applicants total (ADM2014)	Applicants women (ADM2014)	Admissions total (ADM2014)	Admissions men (ADM2014)	Admissions women (ADM2014)	Enrolled total (ADM2014)	Enrolled men (ADM2014)
5	457590	A & W Healthcare Educators								
6	177834	A T Still University of Health Sciences								
7	180203	Aaniih Nakoda College								
8	161615	Aaron's Academy of Beauty								
9	459523	ABC Beauty Academy								
10	106281	ABC Beauty College Inc								
11	461892	Abcott Institute								
12	208123	Abdill Career College Inc								
13	222178	Abilene Christian University	3846	9384	5538	4736	1742	2994	974	4
14	210456	Abington Memorial Hospital Dixon School of Nursing								
15	138558	Abraham Baldwin Agricultural College	1168	2801	1546	2164	940	1198	1362	6
16	421896	Academia Serrant Inc								
17	172866	Academy College								
18	449463	Academy Di Capelli-School of Cosmetology								
19	476957	Academy di Firenze								
20	457989	Academy for Careers and Technology								
21	451079	Academy for Five Element Acupuncture								
22	457271	Academy for Jewish Religion-California								
23	412173	Academy for Nursing and Health Occupations								
24	462062	Academy for Salon Professionals								
25	461980	Academy for Salon Professionals								
26	461616	Academy of Aesthetic Arts								
27	108232	Academy of Art University								
28	451097	Academy of Career Training								
29	237729	Academy of Careers and Technology								
30	108269	Academy of Chinese Culture and Health Sciences								
31	372462	Academy of Cosmetology								
32	459569	Academy of Cosmetology								
33	449852	Academy of Cosmetology								
34	179991	Academy of Cosmetology								
35	457855	Academy of Cosmetology and Esthetics NYC								
36	475635	Academy of Couture Art	2	12	10	12	2	10	4	
37	454722	Academy of Esthetics and Cosmetology								
38	434283	Academy of Hair Design-Beaumont								
39	175722	Academy of Hair Design-Grenada								

CSV from IPEDS

Excel screenshot showing a stacked panel view of IPEDS data. The formula bar shows the selected cell contains the text "UnID".

	A	B	C	D	E	F	G	H
1	UnID	Institution Name	Applicants	Admissions Total	Enrolled Total	Enrolled Full Time	Year	Gender
2	139755	Georgia Institute of Technology-Main Campus	14645	8045	3044		3039	2013-14 All
3	151351	Indiana University-Bloomington	37826	27300	7604		7583	2013-14 All
4	153603	Iowa State University	16539	13648	5366		5351	2013-14 All
5	171100	Michigan State University	31479	21610	8061		7924	2013-14 All
6	204796	Ohio State University-Main Campus	31359	17413	7130		7121	2013-14 All
7	214777	Pennsylvania State University-Main Campus	47552	25772	7649		7605	2013-14 All
8	243780	Purdue University-Main Campus	31083	18779	6422		6388	2013-14 All
9	186380	Rutgers University-New Brunswick	30631	18230	6337		6328	2013-14 All
10	196097	Stony Brook University	30300	11963	2709		2708	2013-14 All
11	228723	Texas A & M University-College Station	31387	21803	10241		9018	2013-14 All
12	228778	The University of Texas at Austin	38161	15335	7249		7118	2013-14 All
13	196088	University at Buffalo	23093	13053	3669		3650	2013-14 All
14	104179	University of Arizona	26329	20251	7401		6955	2013-14 All
15	110635	University of California-Berkeley	61717	11108	4162		4127	2013-14 All
16	110644	University of California-Davis	49820	22526	5208		5173	2013-14 All
17	110653	University of California-Irvine	56515	23956	5077		5067	2013-14 All
18	110662	University of California-Los Angeles	72676	15981	5620		5608	2013-14 All
19	110680	University of California-San Diego	60832	22812	4575		4570	2013-14 All
20	110705	University of California-Santa Barbara	55258	24556	4741		4722	2013-14 All
21	126614	University of Colorado Boulder	22473	19710	5846		5777	2013-14 All
22	134130	University of Florida	27107	12618	6373		6352	2013-14 All
23	145637	University of Illinois at Urbana-Champaign	33203	20716	7329		7321	2013-14 All
24	153658	University of Iowa	21642	17363	4460		4270	2013-14 All
25	155317	University of Kansas	12389	11433	3771		3653	2013-14 All
26	163286	University of Maryland-College Park	26247	12333	4020		4011	2013-14 All
27	170976	University of Michigan-Ann Arbor	46813	15570	6200		6176	2013-14 All
28	174066	University of Minnesota-Twin Cities	43048	19121	5544		5538	2013-14 All
29	178396	University of Missouri-Columbia	20956	16473	6194		6060	2013-14 All
30	199120	University of North Carolina at Chapel Hill	28437	7847	3915		3914	2013-14 All
31	200551	University of Oregon	24962	14770	4024		3969	2013-14 All

Stacked Panel

-Each element is downloaded as a separate column. This file can be quickly chopped up to work well in Tableau.

-For this example, we can stack the panel based on year and gender, leaving only 8 columns. This will allow for a better layout in Tableau.

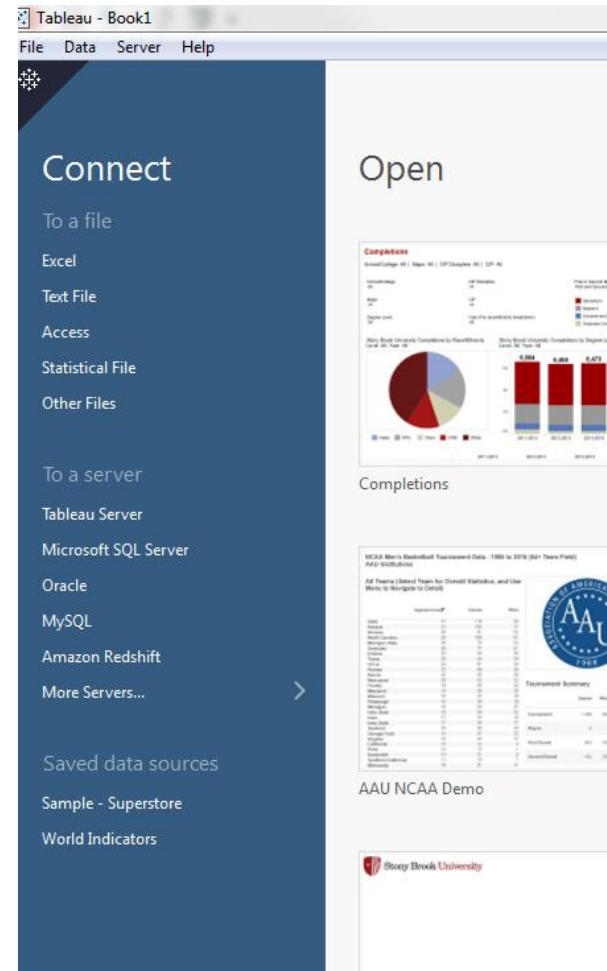


Connect to a file →

-You can edit the file and refresh once you've started.

Connect to a server →

-Need Tableau Desktop Professional  
-Can create an extract

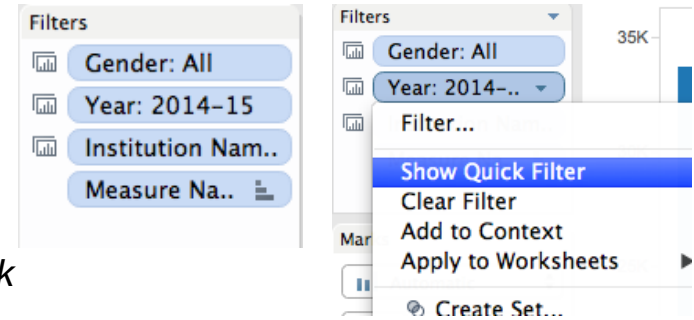




- Let's begin with:

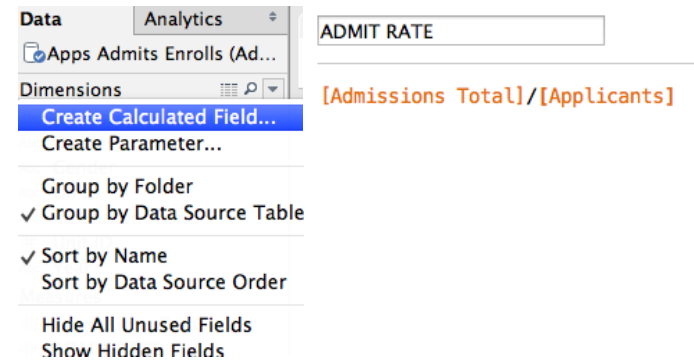
- **Filters**

- » Filters are based off of certain fields (columns)
- » Because of the way we stacked the example panel, we can filter, gender, year and school
- » *To create, drag the item to the filter shelf. To show, right click and choose "Show Quick Filter"*



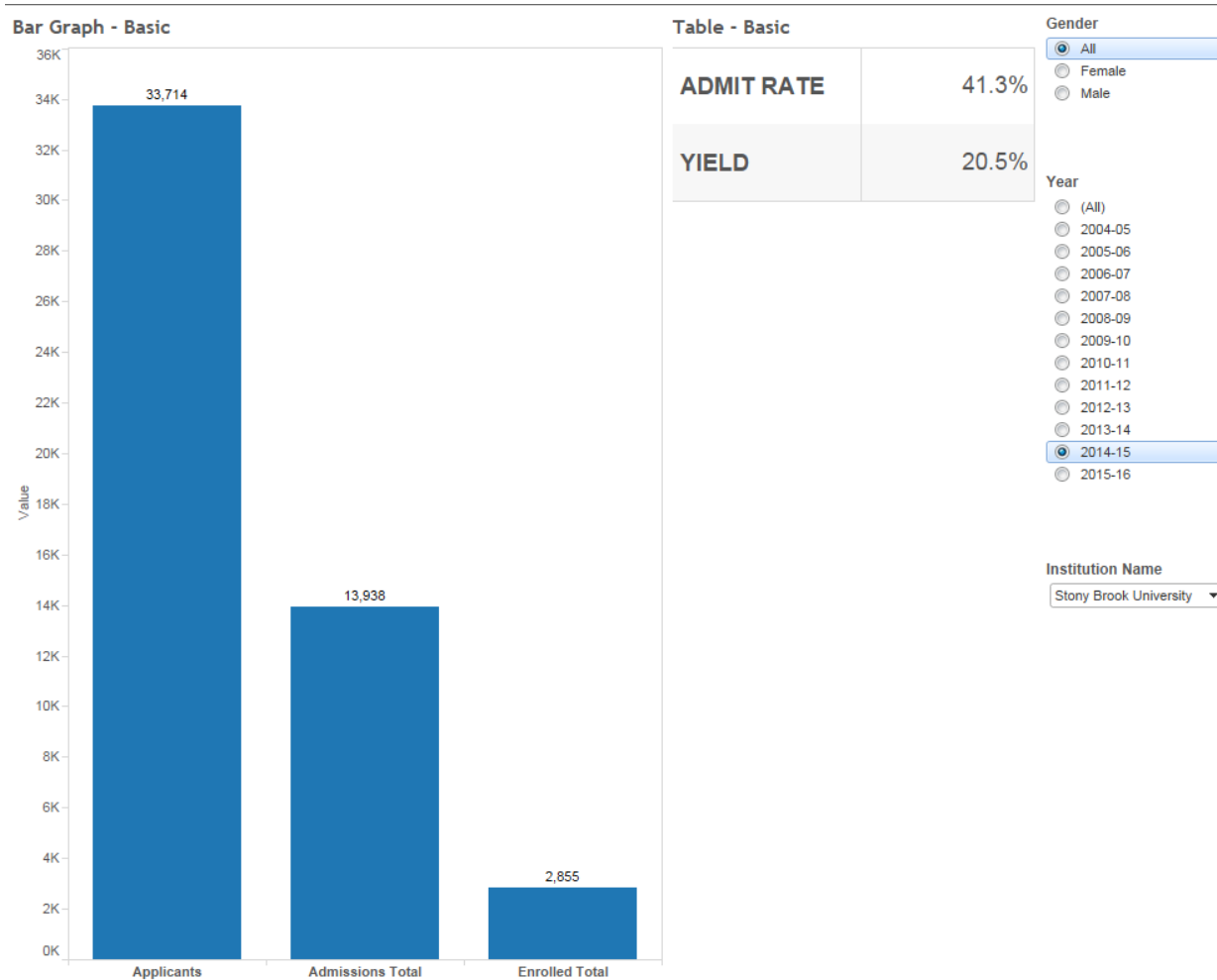
- **Calculated fields**

- » Calculated fields are similar to excel formulas
- » We can create fields to calculate admit rate and yield
- » *To create, right click in the data tab and select "Create Calculated Field"*



- Now let's create two charts based on the items we have:

- A column chart to display Applications, Admissions and Enrollments
- A table to display Admit rate and yield



- Now, we can create a new dashboard and add the two charts to it
- Drag the sheets from the dashboard shelf to the dashboard page
- All charts and filters from the sheets will be brought to the dashboard
- We can select each object, and use the dropdown menu to choose to make the object floating (free placement)



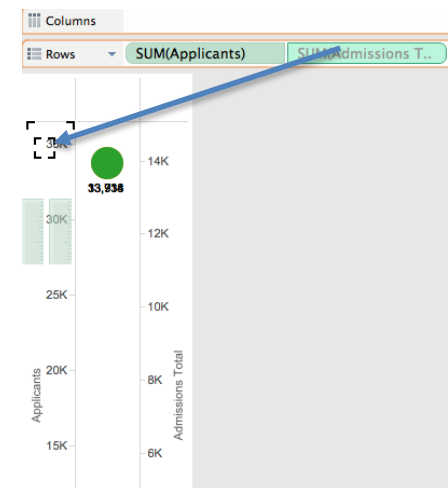
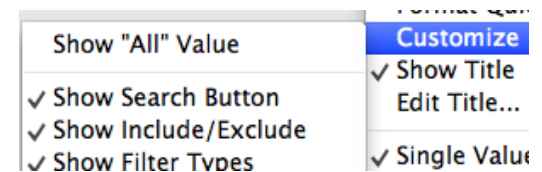
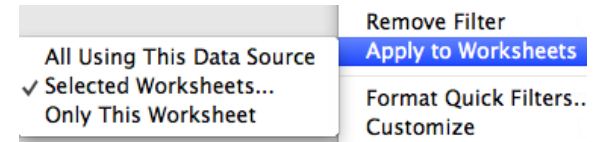
### Notes about filters:

- 1) A filter can be set to apply to a sheet, or all sheets using the same source. This allows for you to only need one filter with multiple charts
- 2) A filter can be set to only show relevant values. This is helpful with long lists of related items. Example: Colleges/Schools and Majors
- 3) Filters can be set to include an “All” option. In this example, it has been deactivated, as the data set already has an all option

All options can be accessed from the drop down menu on the quick filter

### Notes about the charts:

- 1) To add multiple measures to the measure shelf, start by adding two measures to the row shelf. Then drag one from the row shelf into the axis of the other. This will bring the measures shelf up, and allow you to add more measures directly to it.





- Here is another step to add some functionality to our dashboard. We will use a parameter and calculated field to select one metric to display at a time.

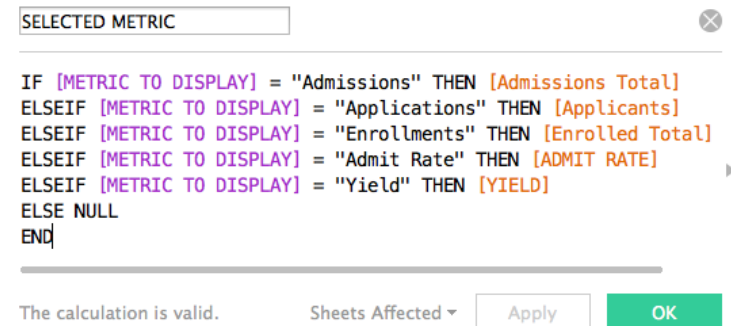
### – Parameter

- » Parameters allow you to create more complex filters
- » Let's create a parameter to choose what specific metric we want to look at in a chart
- » Create a parameter that allows you to choose from the strings: “Applications”, “Admissions”, “Enrollments”, “Admit Rate” or “Yield Rate”
- » *To create, right click in the data tab and select “Create Parameter”*

### – Calculated field

- » We can now create a calculated field that uses the parameter to select the item. For example, this field will show Admissions if parameter selected is Admissions.
- » This will be a multiple IF statement. In Tableau you must end an IF statement with “END”

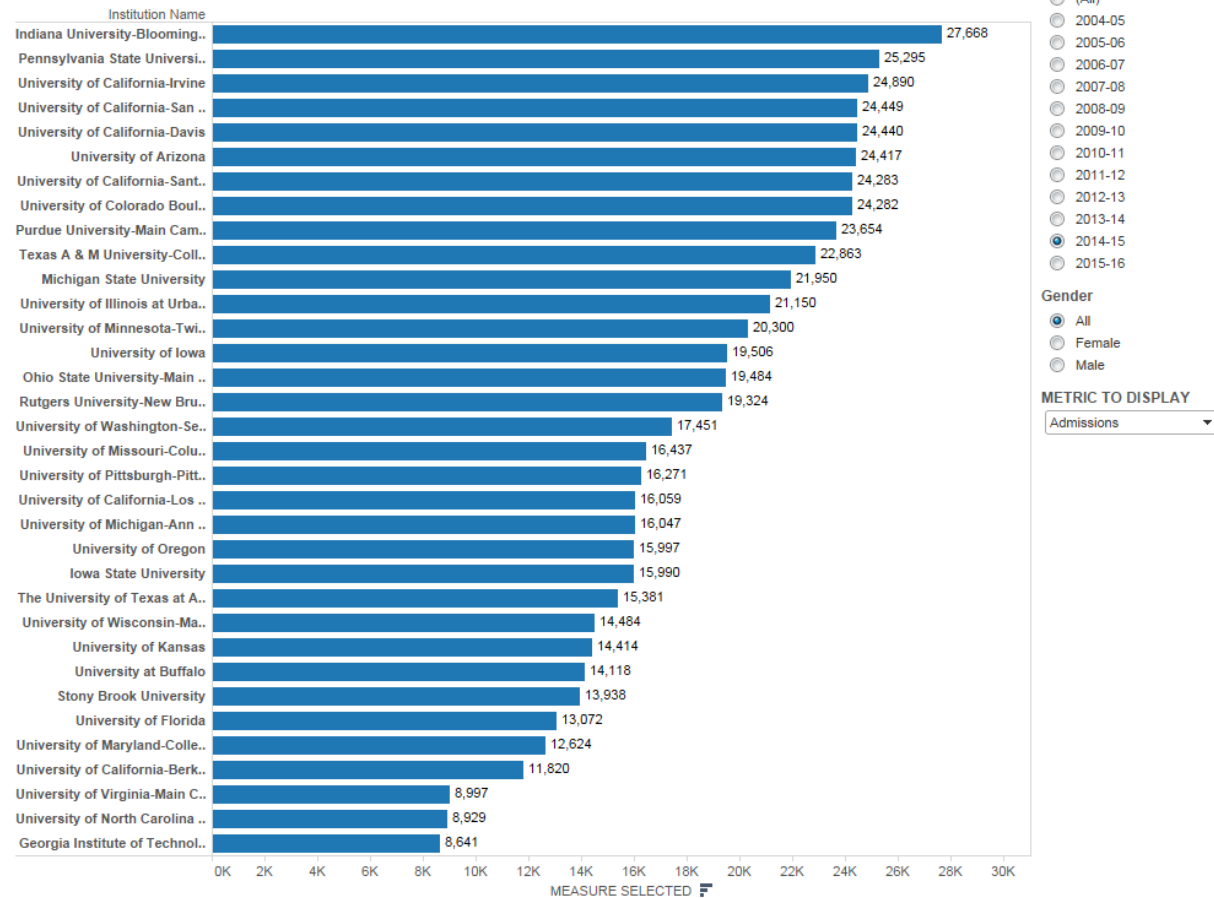
- Now let's update our dashboard!





- Observe that we do not need to store multiple metrics in multiple tables (or one table with multiple columns)
- This can help when space is limited
- This allows for easy benchmarking on one metric

Bar Graph - Intermediate, Metric: Admissions







## Limitations of the dashboard

1. Benchmarking: What if we want to focus on our institution, or another selected institution?
2. Data types: Our graphs and labels will not work for multiple data types
3. Size and content: How much is too much for one dashboard?

## Advanced techniques to address the limitations

1. Comparison Charts – Create a benchmarking chart
2. Chart Switching – Select a chart based on the data you wish to display
3. Dashboard Actions – Switch between dashboards (or other links) and create filters that pass between charts



Goal – Highlight a selected institution and compare to the average (quartiles also possible)

Solution – Create a comparison chart

- Step 1 – Add a parameter using the institution names field
- Step 2 – Create a calculated field that sets its value based on the parameter. For example, create a parameter called: “Selected Institution Applications”
- Step 3 – Set this field to be equal to the number of applications when the Institution Name field is equal to the parameter, and null otherwise. This will make sure this field only displays data for the institution you are interested in

Step 1

Name:  Comment >>

Properties

Data Type:

Current value:

Display format:

Allowable values:  All  List  Range

List of values

Value	Display As
Georgia Institute of ...	Georgia Institute ...
Indiana University-B...	Indiana Universit...
Iowa State University	Iowa State Univer...
Michigan State Unive...	Michigan State U...
Ohio State Universit...	Ohio State Univer...
Pennsylvania State U...	Pennsylvania Stat...
Purdue University-M...	Purdue Universit...
Rutgers University-...	Rutgers Universit...

Buttons: Add from Parameter, Add from Field, Paste from Clipboard, Clear All

Buttons: Cancel, OK

Dropdown menu: Display Gender, Go to, **Institution Name**, Year

Step 2/3

IF [Institution Name] = [BENCHMARK INSTITUTION] THEN [Applicants]  
ELSE NULL  
END

The calculation is valid. Sheets Affected ▾



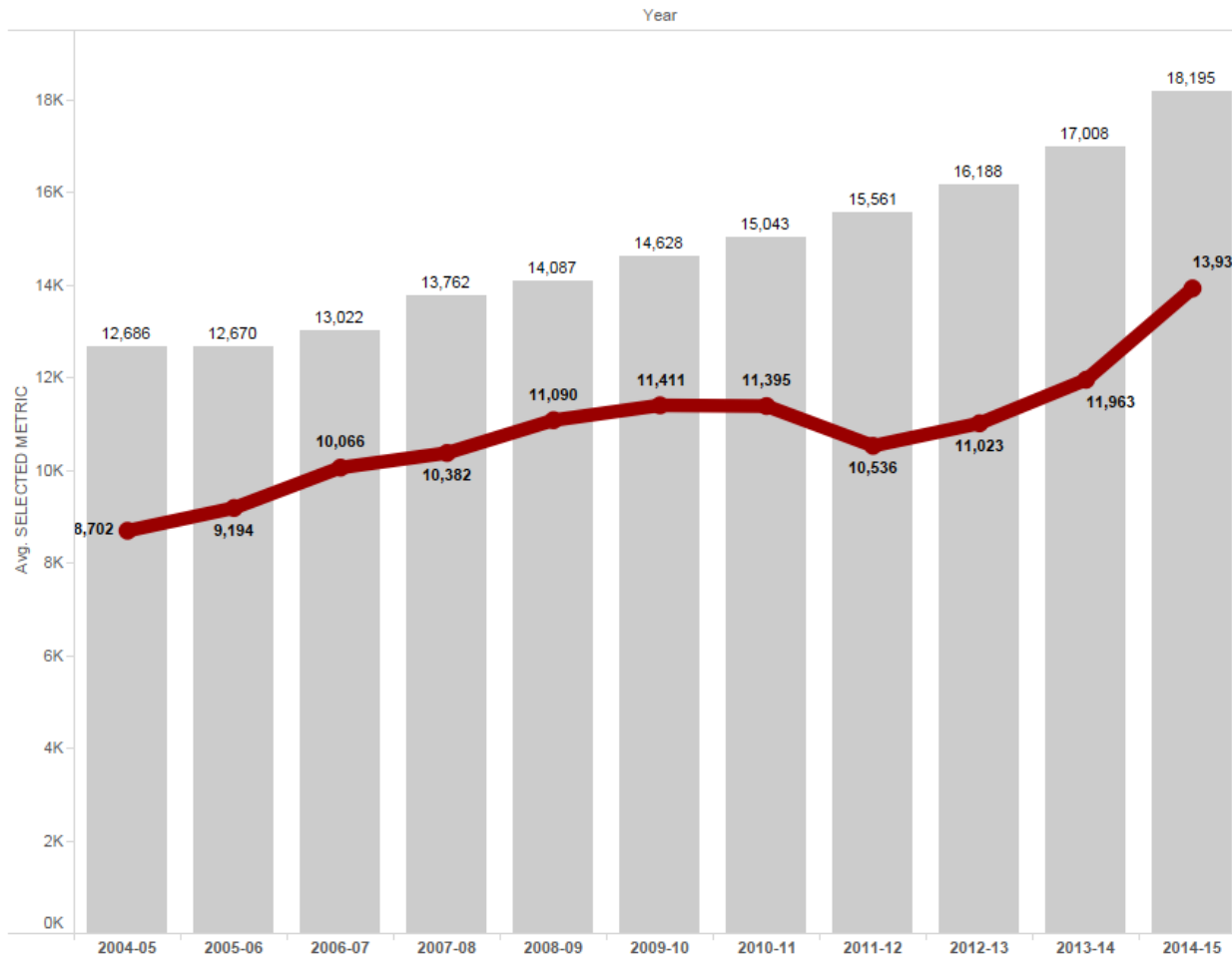
Let's examine how to merge this with the chart we created in the intermediate dashboard

- In that chart, we created a calculated field to display our metric of choice.
- Now, we will create another calculated field to display our metric of choice for our focus institution. For example, call the calculated field: "Selected Institution Metric"
- We can then add both metrics to a chart, and create a dual axis chart.
- *To merge both axis, ensure both calculated fields are the same data type, by adding the float function to your calculated field: ( FLOAT(calculation) ) Not applicable for this data set.*

SELECTED INSTITUTION METRIC ✕

```
IF [METRIC TO DISPLAY] = "Admissions" THEN [SELECTED INSTITUTION ADMISSIONS]
ELSEIF [METRIC TO DISPLAY] = "Applications" THEN [SELECTED INSTITUTION APPLICATIONS]
ELSEIF [METRIC TO DISPLAY] = "Enrollments" THEN [SELECTED INSTITUTION ENROLLMENTS]
ELSEIF [METRIC TO DISPLAY] = "Admit Rate" THEN [SELECTED INSTITUTION ADMIT RATE]
ELSEIF [METRIC TO DISPLAY] = "Yield" THEN [SELECTED INSTITUTION YIELD]
ELSE NULL
END
```

The calculation is valid. Sheets Affected ▾ Apply OK



- Gray = Average selected measure for all institutions – this is determined by the metric parameter
- Red = Selected measure for our focus institution – determined by the metric and focus institution parameters



### Alternate Comparison Chart

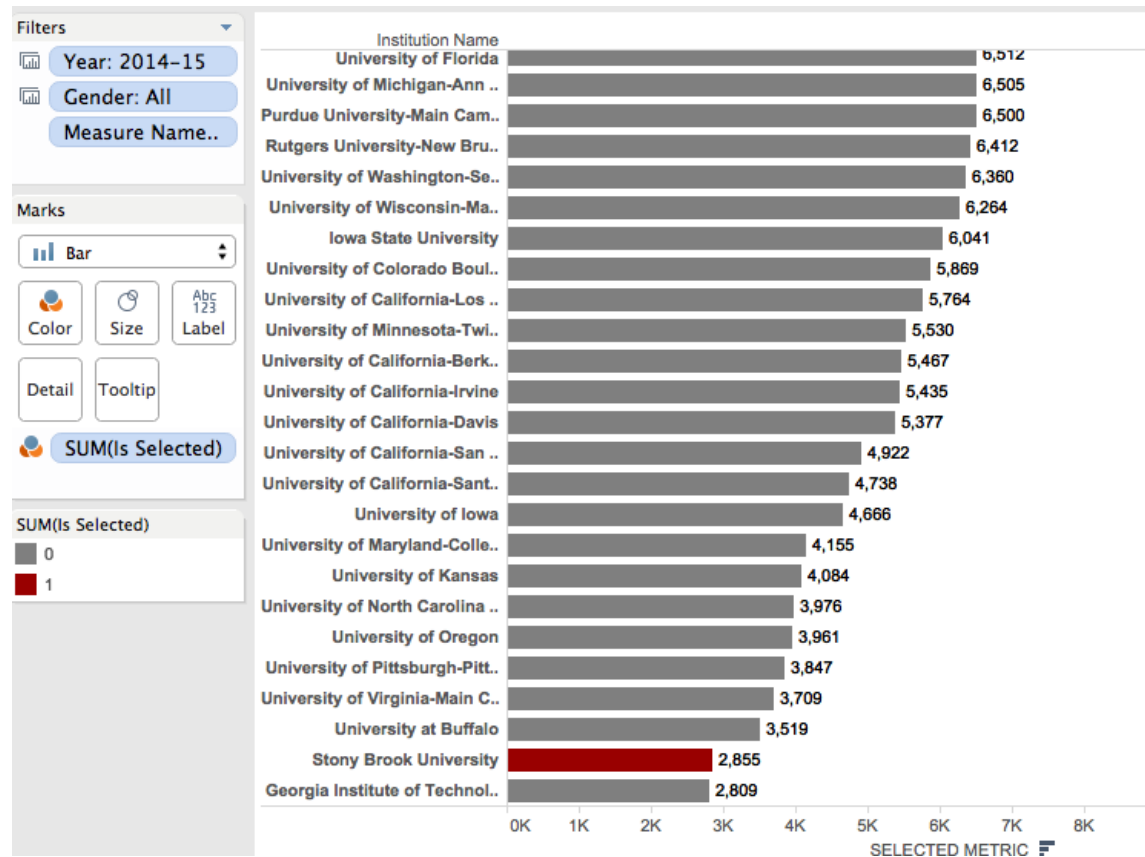
#### Highlighting the selected institution

- Create a calculated field called “Is Selected”. This will be binary ( 1 or 0 )
- Drag the field over to the color shelf, change it to discrete, and assign a highlight color to 1 and standard color to 0.

```

Is Selected
IF [Institution Name] = [BENCHMARK INSTITUTION] THEN 1
ELSE 0
END

```



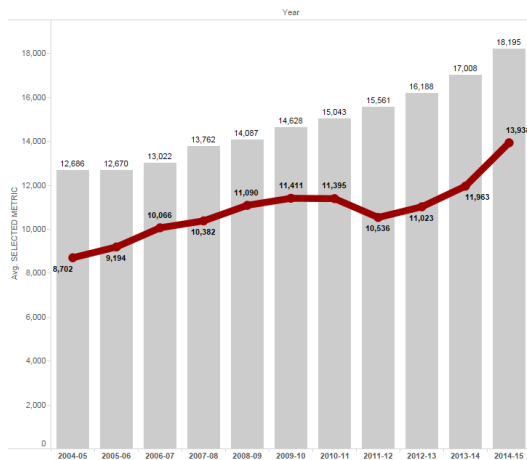


### Goal – Display all metrics in one chart area

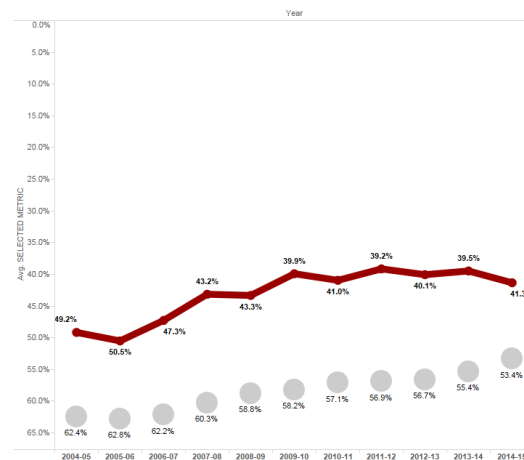
- This is made challenging by different data types, and different trend representations (we would like to trend admit rate along a reversed axis and yield along a regular axis).

### Solution – Place multiple charts in the same location on the dashboard, and display only one at a time

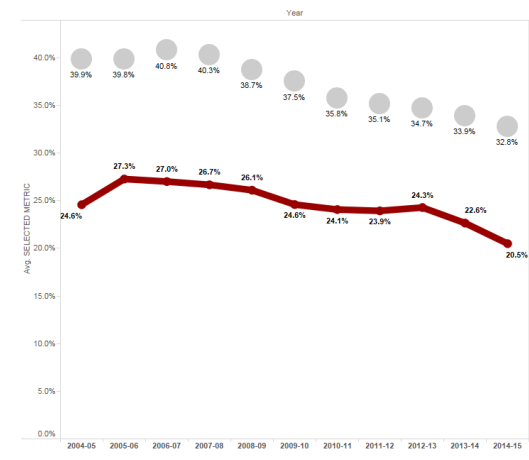
- This will be done through the use of a parameter, a calculated field, and custom list filters.
- For this dashboard, there will be three charts
  - Admissions, Applications, and Enrollments displayed as numbers, trended along a regular axis
  - Admit Rate displayed as a percentage, trended along a reversed axis
  - Yield displayed as a percentage, trended along a normal axis



1



2



3



### Step 1 – Create all charts needed for the dashboard

- Three, as mentioned previously

### Step 2 – We will need a parameter that has the values we want to switch between

- Use the parameter created in the intermediate dashboard

### Step 3 – Create a calculated field that is equal to the parameter

- This will help to switch between charts





Step 4 – On each chart, add the calculated field as a filter, using a custom list. Set the custom list to the appropriate metrics for the chart

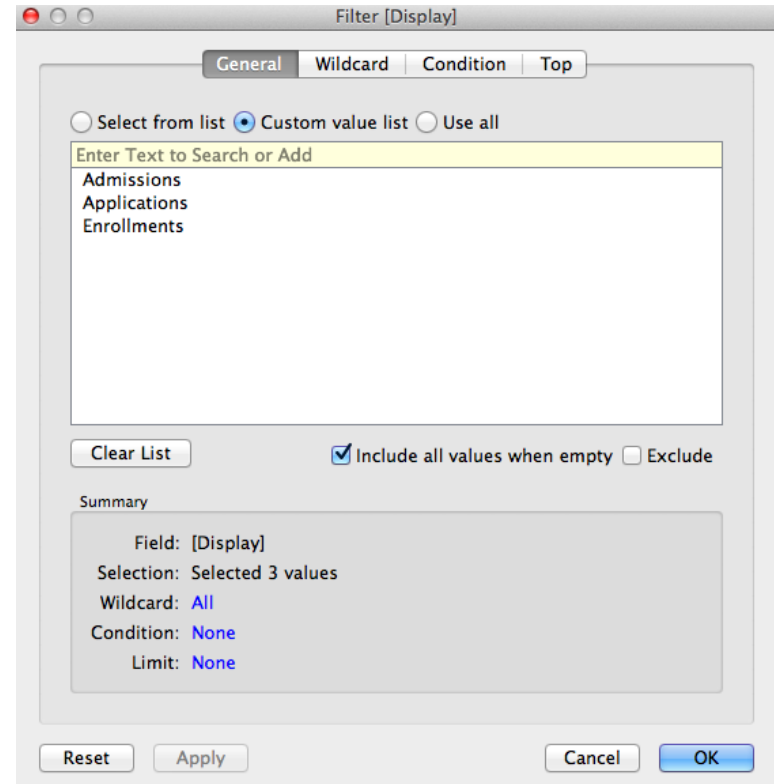
- For example, the Admit Rate chart should have the calculated field filtered only on “Admit Rate”. When the parameter is switched to “Admit Rate”, it will trigger the calculated field filter and display any chart with “Admit Rate” filtered

Step 5 – Apply filters to all charts, and stack them on the dashboard

- As long as each value in the parameter is included in only ONE of the stacked charts, then only one chart at a time will be visible

*Note: if chart titles are different, hide the titles, and use a separate sheet to create a universal title*

**To stack, set all charts to “floating” and place them at the same coordinate location, using the manual coordinate entry section of the dashboard (bottom left)**



Filter for the Applications, Admissions, and Enrollments chart. The Admit Rate and Yield charts will only have one element each.





## Dashboard Actions

- Actions allow for dynamic interaction between objects on dashboards
- These actions can be used to communicate between sheets, dashboards, and external objects as well
- To add a dashboard action go to “Dashboard” → “Actions” → “Add Action”
- All actions offer the choice to run on: Hover, Select, or Menu
  - Hover – When the mouse hovers over the target, the action will trigger
  - Select – When the target is selected, the action will trigger (the target will have to be unselected and then selected again to re-trigger)
  - Menu – When the target is selected, a menu will display, giving you the option to trigger the action



## Dashboard Action – Filter

### For passing filters between sheets

- Choose a source and a target. The source is the object being clicked, and the target is what will be filtered.
- For example, if there is a table showing all institutions, we can use a filter action to display institution detail when the name is clicked.
- If the target sheet is on another dashboard, this will switch to that dashboard.

### For switching between dashboards

- Using the above knowledge, we can use the filter actions to navigate between sheets without passing filters as well. Simply choose all items as targets on the dashboard you wish to navigate to
- Instead of using a chart as a source, a navigation button can be created by adding a calculated field with the value of “image”, and setting the mark type to Shape (see example *Tableau workbook*)



## Dashboard Action – Filter

- “Show all values” will pass the filter when selected, but remove it when the source is unselected (*Exclude all will pass the filter as an exclusion filter*)
- “Leave the filter” will leave the filter until a different element of the source is selected
- This filter will show the detail for institution name that is clicked on the “Detail All Inst” chart (Source). It will be displayed on the “Detail by Year” chart (Target).

Dialog box titled "Edit Filter Action" showing configuration for a filter action named "Show Detail".

**Name:** Show Detail

**Source Sheets:**

- Detail Dash (selected)
- Detail All Inst (checked)
- Detail by Year (unchecked)

**Run action on:**

- Hover
- Select (selected)
- Menu

Run on single select only

**Target Sheets:**

- Detail Dash (selected)
- Detail All Inst (unchecked)
- Detail by Year (checked)

**Clearing the selection will:**

- Leave the filter
- Show all values (selected)
- Exclude all values

**Target Filters:**

Selected Fields  All Fields

Source Field	Target Field	Target Data Source
Institution Name	Institution Name	Apps Admits Enrolls (A...

Buttons: Add Filter..., Edit..., Remove, Cancel, OK



## Dashboard Action – URL

- URL actions all for navigation to external addresses, such as a webpage or a file on a file share
- When adding the action, choose the target on the dashboard that will activate the action, then input the URL.

## Dashboard Action – Highlight

- Highlight actions allow for focusing on subsets of the dashboards. You can pass the action between sheets to filter a graph based on something clicked in a table
- We will not add a highlight action to this visualization, but their uses are well documented in the Tableau forums



## Planning

- Examining position
- Trends and projections

## Research

- Highlights areas of interest

## Benefits

- Quick, relatively simple, and publicly available
- Well populated
- Customizable peer groups

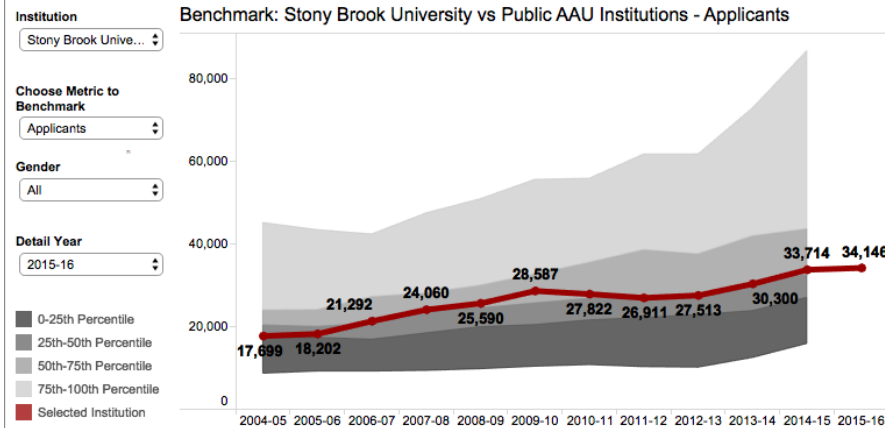
## Going further

- Adding institutional data (dashboard example on next slides)



### Admissions: Stony Brook University

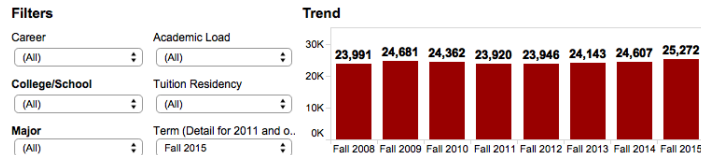
2008-09 Data anomalies in IPEDS Data Center have been smoothed



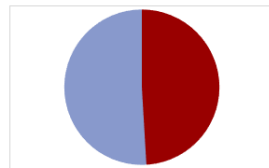
### Fall Headcount Enrollment

Academic Career: All | Academic Load: All | College/School: All | Tuition Residency: All | Major: All

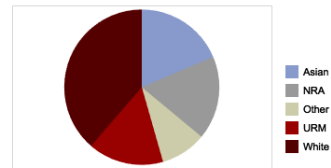
Type:  First Major  Second Major



### Gender Distribution - Fall 2015



### Race/Ethnicity Distribution - Fall 2015



**Note:** URM = "Underrepresented Minority and includes: "American Indian or Alaska Native", "Black or African American", "Hispanic or Latino", and "Native Hawaiian or Other Pacific Islander"

**NRA** = "Nonresident Alien" | **Other** includes: "Two or More Races", and "Race/Ethnicity Unknown"

### Completions

School/College: All | Major: All | CIP Discipline: All | CIP: All

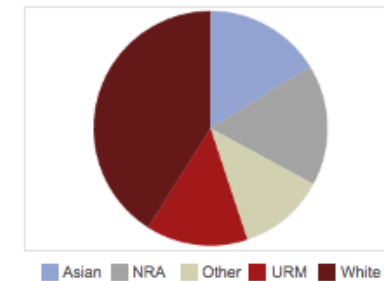
School/College: (All) | CIP Discipline: (All) | First or Second Major: First Major Only

Major: (All) | CIP: (All)

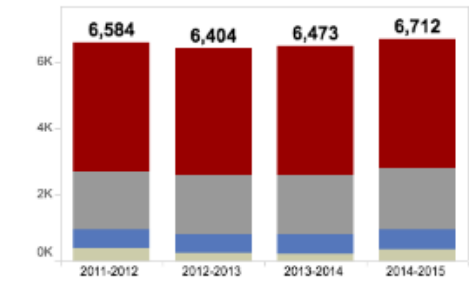
Degree Level: (All) | Year (For race/ethnicity breakdown): (All)

Legend: Bachelor's (Red), Master's (Grey), Doctoral and Professional (Blue), Graduate Certificate (Green)

Stony Brook University Completions by Race/Ethnicity Level: All, Year: All



Stony Brook University Completions by Degree Level Level: All, Year: All



		2011-2012	2012-2013	2013-2014	2014-2015
Male	Bachelor's	1,838	1,847	1,840	1,884
	Doctoral and Professional	271	281	309	303
	Graduate Certificate	135	77	78	127
	Master's	708	759	772	799
Female	Bachelor's	2,044	1,952	2,046	2,018
	Doctoral and Professional	288	272	267	297
	Graduate Certificate	263	174	150	218
	Master's	1,069	1,042	1,011	1,068
<b>Grand Total</b>		<b>6,584</b>	<b>6,404</b>	<b>6,473</b>	<b>6,712</b>

**Note:** URM = "Underrepresented Minority and includes: "American Indian or Alaska Native", "Black or African American", "Hispanic or Latino", and "Native Hawaiian or Other Pacific Islander"

**NRA** = "Nonresident Alien" | **Other** includes: "Two or More Races", and "Race/Ethnicity Unknown"



Stony Brook University

Questions or comments?

Feel free to contact me:

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<http://www.stonybrook.edu/commcms/irpe/index.html> (Main IRPE site)

<http://www.stonybrook.edu/commcms/irpe/reports/> (Presentations)

<http://paintbynumbersblog.blogspot.com/2014/10/a-rough-guide-to-tableau-dashboard.html> (Dashboard Actions)

<https://community.tableau.com/community/forums> (Tableau Community Forums)



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