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Tableau Desktop

Tips and Tricks

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Topics we'll cover

- How to create text that switches with your parameter selection
- How to create a parameter that filters for the same field across multiple data sources
- How to create a help icon by importing an image into Tableau

Parameter Text

- Nice to have words next to parameter control to explain definitions, business rules, etc. (think Enrollment & Incoming Students workbooks)
- Essentially the same as the calculated field you need to create with the parameter

Calculated Field 1

Instead of variables, use text

Parameter	Selected CPE Classification Level]	×	Selected CPE Classification Level Text	×
CPE Classification Level	case [CPE Classification when 'Undergraduate' the when 'Graduate' then [15]	n [Is Undergraduate Cpe]		<pre>case [CPE Classification Level] when 'Undergraduate' then 'This is the en when 'Graduate' then 'This is the enroll</pre>	
 Undergraduate Graduate 	END		Þ	END	Þ
	The calculation is valid.	Apply	ОК	The calculation is valid.	Apply OK

Calculated Field 2

Undergraduate

4

Parameter Text

- Add Calculated Field 2 to the text label on a new blank worksheet
- Place worksheet with text next to parameter control on dashboard (hide the title) CPE Classification Level

Filters		Enrollment Text This is the enrollment of Undergraduates.	Undergraduate This is the enrollment of Undergraduat Graduate
Marks	c 💌		22,674
Color Size	T		CPE Classification Level O Undergraduate This is the enrollment of Graduates.
betail Toolt			Graduate
I Selecte	d CPE		7,160

- Convenient when displaying data from multiple sources allows you to filter all sheets for the same field like year, college, etc. (think College Budget Meeting workbook)
- Start by creating desired sheets using appropriate data sources

Enrolled Students	Retention Rates									Degrees
					(Cohort Terr	n			
30,761		Fall 2008	Fall 2009	Fall 2010	Fall 2011	Fall 2012	Fall 2013	Fall 2014	Fall 2015	7,224
	2nd Fall Retention Rate	80.3%	81.8%	81.5%	81.3%	82.5%	82.2%	82.7%	81.7%	
	Avg. Is Graduated 6 Years	60.2%	61.3%	63.6%						

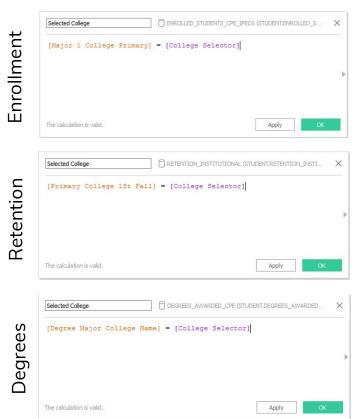
- Choose field in one of the data sources to turn into the parameter
 - This is where it is important to know that fields with similar information have the same outputs across data sources! (Ag, Food, and Environment vs. Agriculture, Food, and Environment)

Abc Major 1 College Official Prima				
Abc Major 1 College Short Prin	Add to Sheet			
Abc Major 1 Cpe Stem H Prima	Show Filter			
Abc Major 1 Degree Qualificati	Duplicate		L	
Abc Major 1 Degree Qualificati	Rename			
Abc Major 1 Department Code	Hide			
Abc Major 1 Department Id Pri				
Abc Major 1 Department Prima	Aliases			
Measures	Create	¥.		Calculated Field
# Maximum Sat Composite	Convert to Measure			Group
# Maximum Sat Composite	Change Data Type		Ø	Set
# Maximum Sat Math Subsc	Geographic Role			Parameter
# Maximum Sat Reading Su	Default Properties	501 8	-	
# Maximum Sat Writing Sub	Default Properties	·		
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Longitude (generated)	Hierarchy	۶.	1	
# Number of Records			L	
# Measure Values	Replace References			
TO 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Describe		1	

• Rename parameter to be more universal across data sources

me: College Selec	tor			Comment >
Properties				
Data type:	String	•		
Current value:	Ag, Food and E	nvironment 🔻		
Display format:		~		
	🔾 All 💿 List	: ORange		1
ist of values Value		Display As	^	Add from Parameter
ist of values Value Ag, Food and Envi		Display As Ag, Food and Environment	^	Add from Parameter Add from Field
ist of values Value Ag, Food and Envi Arts and Sciences	ironment	Display As Ag, Food and Environment Arts and Sciences	^	Add from Field
ist of values Value Ag, Food and Envi Arts and Sciences Business & Econon	ironment	Display As Ag, Food and Environment Arts and Sciences Business & Economics	^	
ist of values Value Ag, Food and Envi Arts and Sciences Business & Econom Communication an	ironment	Display As Ag, Food and Environment Arts and Sciences Business & Economics Communication and Informa	^	Add from Field
ist of values Value Ag, Food and Envi Arts and Sciences Business & Econon	ironment	Display As Ag, Food and Environment Arts and Sciences Business & Economics	^	Add from Field
ist of values Value Ag, Food and Envi Arts and Sciences Business & Econon Communication an Dentistry	ironment	Display As Ag, Food and Environment Arts and Sciences Business & Economics Communication and Informa Dentistry	^	Add from Field
Ag, Food and Envi Arts and Sciences Business & Econon Communication an Dentistry Design	ironment	Display As Ag, Food and Environment Arts and Sciences Business & Economics Communication and Informa Dentistry Design	^	Add from Field

- Create calculated field for each data source that will filter for parameter selection
 - Different from regular calculated field needed for parameter
 - Test to see if field equals the parameter selection true/false output



- Filter for calculated field equal to TRUE for each data source
 - Will only show data if field contains an option that is <u>identical</u> to the parameter selection

ilter [Selected	d College]				×
General	Condition Top				
Select fr	om list 🔿 Custom v	alue list 🔿	Use all		
Enter searc	h text				
☐ Null ☐ False ☑ True					
All	None			 	Exclude
Summary					
Field:	[Selected College]				
	Selected 1 of 3 value	les			
Wildcard:					
Condition: Limit:	None				
Reset]		ОК	Cancel	Apply

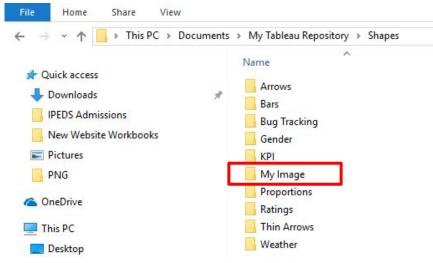
- Place all worksheets on a dashboard with parameter control
 - Or show parameter control on each worksheet page Ο
- All worksheets should display info for the parameter selection

Ag, Food and Enviro	onment								•
Enrolled St	uder	nts							
									2,923
Retention	Rate	5							
				Co	hort Ter	m			
	Fall 2008	Fall 2009	Fall 2010	Fall 2011	Fall 2012	Fall 2013	Fall 2014	Fall 2015	Fall 2016
2nd Fall Retention Rate	82.2%	79.6%	81.5%	83.4%	84.2%	84.3%	85.2%	82.0%	
6 Year Graduation Rate	63.9%	62.3%	63.5%						
Degrees									
Degrees									

Education									•
Enrolled St	tuder	nts							
									2,672
Retention	Rate	S							
					ohort Ter				
	Fall 2008	Fall 2009	Fall 2010	Fall 2011	Fall 2012	Fall 2013	Fall 2014	Fall 2015	Fall 2016
2n <mark>d Fall</mark> Retention Rate	78.3%	80.4%	76.0%	84.3%	83.3%	82.7%	81.7%	84.1%	
6 Year Graduation Rate	57.9%	60.4%	62.4%						

Importing Images

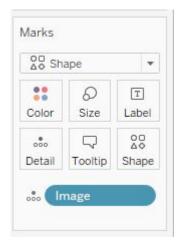
- Customize workbooks with special icons relevant to content or to indicate workbook features (think help icon on Enrollment workbook)
- Create folder called My Images under Documents > My Tableau Repository > Shapes



Importing Images

- Find desired image and save under **My Images** folder
- Create a calculated field for the image
- Place calculated field as a detail on Marks Shelf in a new blank worksheet
- Change Marks to **Shape**





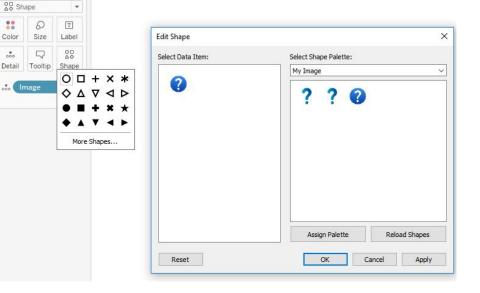
Marks

Importing Images

- Click on **Shape** icon then **More Shapes...**
- Navigate to **My Images** using the Shape Palette drop down
- Select the image you want to use and press **OK**

Sheet 6

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Importing Images

- Change the size of the image by clicking on the **Size** icon and using the slider
- If you want to display text when users hover over the image, click on the **Tooltip** icon to edit the text

			Sheet 6
Marks			
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Color	0 Size	T Label	
ooo Detail	-		

Marks	Edit Tooltip X
Shape ▼	
Color Size Label	Tableau Book I <t< td=""></t<>
Detail Tooltip Shape	
	Show Tooltips Responsive - Show tooltips instantly (default)
	Reset Preview OK Cancel

CPF Classificati

Undergrad

7,160

Graduate

Importing Images

- Add the image to a dashboard by selecting Floating then dragging the worksheet into the view
- Hide the title of the worksheet and make the image fit to the Entire View
- Place the image accordingly to indicate to users they can go here for information

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	C	Vertical	🕀 Web Page	
		A Text	Blank	
		Tiled	Floating	
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Level 🕜				

ssification