

Big Data Visualization Assignment – 3

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Exercise 1: Import and Merge Data

The screenshot shows the Tableau Desktop interface with a workbook named 'Tableau - Book1'. The 'Connections' pane on the left lists 'ipeds_2018' as a text file. The 'Files' pane shows 'ipeds_2018.csv' and 'university_websites.csv'. The main workspace displays a data merge diagram with 'ipeds_2018.csv' and 'university_websites.csv' connected by a line. Below the diagram, a preview of the merged data is shown, displaying columns from both sources. The preview table has 57 fields and 2009 rows.

Type	Field Name	Phys...	Rem...
ipeds_2018.csv	Unit ID	ipeds_...	UnitID
Abc	Institution Name	ipeds_...	Institu...
ipeds_2018.csv	Number of students rec...	ipeds_...	Numb...

The preview table shows the following data:

Unit ID	Institution Name	Number of students rec...	Number of students rec...	Number of students...
222178	Abilene Christian University	27	426	
138558	Abraham Baldwin Agricultur...	0	0	
482185	Academy of Interactive Enter...	null	null	null
487658	Academy of Interactive Enter...	null	null	null
126182	Adams State University	6	354	
188429	Adelphi University	36	1,024	

Exercise 2: Create Groups

The screenshot shows the Tableau Desktop interface. The main view is a table titled "School Types" with columns: Institution Name, URL, School Type, Carnegie Classification, and In / Out of Comp.. The table lists various schools and their attributes. The right sidebar shows the Data Guide with sections for School Types, Viz Details, Applied Filters, Data in This Viz, Data Summary, and Detected Outliers. The bottom status bar indicates 2011 rows by 2 columns.

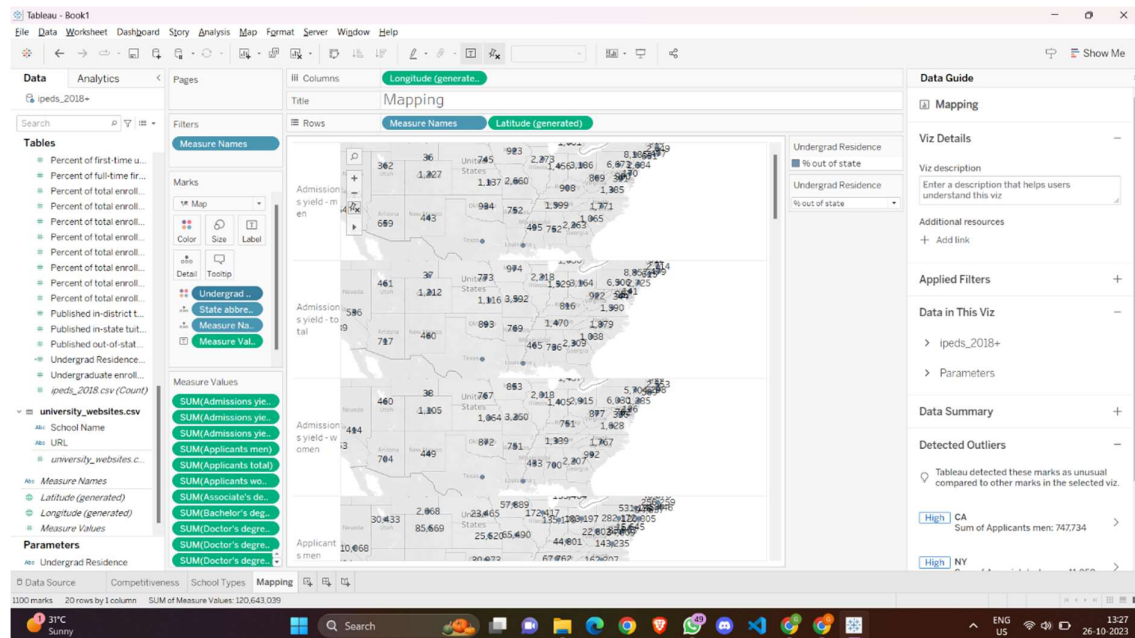
Institution Name	URL	School Type	Carnegie Classification	In / Out of Comp.
Abilene Christian Un.	http://acu.edu	Master's	Master's Colleges &	1
Abraham Baldwin A.	Null	Baccalaureate	Baccalaureate/Asso.	1
Academy of Interact.	Null	Other	Not applicable, not i	2
Adams State Univer.	http://adams.edu	Master's	Master's Colleges &	1
Adelphi University	http://adelphi.edu	Doctoral	Doctoral/Profession	1
Adrian College	http://adrian.edu	Baccalaureate	Baccalaureate Colle	1
Adult and Communit.	Null	Other	Not applicable, not i	1
Advanced Technolog.	Null	Other	Special Focus Two-Y	1
AdventHealth Unive.	Null	Other	Special Focus Four-Y	1
Agnes Scott College	http://agnesscott.e	Baccalaureate	Baccalaureate Colle	1
Alabama A & M Univ.	Null	Master's	Master's Colleges &	1
Alabama State Univ.	Null	Master's	Master's Colleges &	1
Alaska Pacific Unive.	Null	Master's	Master's Colleges &	1
Albany College of Ph.	Null	Other	Special Focus Four-Y	1
Albany State Univer.	Null	Master's	Master's Colleges &	1
Albertus Magnus Co.	http://albertus.edu	Master's	Master's Colleges &	1
Albion College	http://albion.edu	Baccalaureate	Baccalaureate Colle	1
Albright College	Null	Baccalaureate	Baccalaureate Colle	1
Alcorn State Univers.	http://alcorn.edu	Master's	Master's Colleges &	1
Alderson Broadbus	Null	Baccalaureate	Baccalaureate Colle	1
Alfred University	http://alfred.edu	Master's	Master's Colleges &	1
Alice Lloyd College	Null	Baccalaureate	Baccalaureate Colle	1
Allegheny College	http://allegheny.edu	Baccalaureate	Baccalaureate Colle	1
Alliant International	Null	Doctoral	Doctoral/Profession	1
Alma College	http://alma.edu	Baccalaureate	Baccalaureate Colle	1
Alvernia University	http://alvernia.edu	Master's	Master's Colleges &	1
Alverno College	http://alverno.edu	Master's	Master's Colleges &	1
American Academy	Null	Other	Special Focus Two-Y	1
American Academy	Null	Other	Special Focus Two-Y	1
American College of	Null	Other	Special Focus Four-Y	1
American Institute o	Null	Other	Special Focus Four-Y	1
American Internatio	Null	Master's	Master's Colleges &	1

Exercise 3: Create a Set

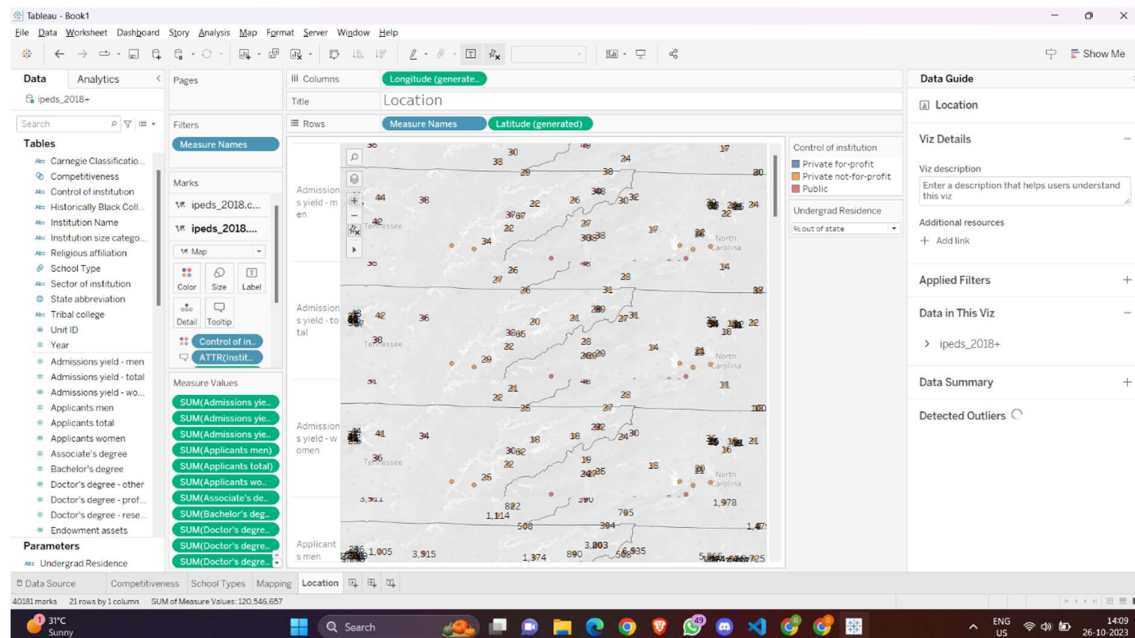
The screenshot shows the Tableau Desktop interface. The main view is a table titled "Competitiveness" with columns: Institution Name, URL, School Type, Carnegie Classification, and IN/OUT/Competitiveness. The table lists various schools and their attributes. The right sidebar shows the Data Guide with sections for 2 marks, Data in These Marks, Applied Filters, and Explanations. The bottom status bar indicates 2 of 4022 marks.

Institution Name	URL	School Type	Carnegie Classification	IN/OUT/Competitiveness
Abilene Christian Un.	http://acu.edu	Master's	Master's Colleges &	Non Competitive
Abraham Baldwin A.	Null	Baccalaureate	Baccalaureate/Asso.	Non Competitive
Academy of Interact.	Null	Other	Not applicable, not i	Non Competitive
Adams State Univer.	http://adams.edu	Master's	Master's Colleges &	Non Competitive
Adelphi University	http://adelphi.edu	Doctoral	Doctoral/Profession	Non Competitive
Adrian College	http://adrian.edu	Baccalaureate	Baccalaureate Colle	Non Competitive
Adult and Communit.	Null	Other	Not applicable, not i	Non Competitive
Advanced Technolog.	Null	Other	Special Focus Two-Y	Non Competitive
AdventHealth Unive.	Null	Other	Special Focus Four-Y	Non Competitive
Agnes Scott College	http://agnesscott.e	Baccalaureate	Baccalaureate Colle	Non Competitive
Alabama A & M Univ.	Null	Master's	Master's Colleges &	Non Competitive
Alabama State Univ.	Null	Master's	Master's Colleges &	Non Competitive
Alaska Pacific Unive.	Null	Master's	Master's Colleges &	Non Competitive
Albany College of Ph.	Null	Other	Special Focus Four-Y	Non Competitive
Albany State Univer.	Null	Master's	Master's Colleges &	Non Competitive
Albertus Magnus Co.	http://albertus.edu	Master's	Master's Colleges &	Non Competitive
Albion College	http://albion.edu	Baccalaureate	Baccalaureate Colle	Non Competitive
Albright College	Null	Baccalaureate	Baccalaureate Colle	Non Competitive
Alcorn State Univers.	http://alcorn.edu	Master's	Master's Colleges &	Non Competitive
Alderson Broadbus	Null	Baccalaureate	Baccalaureate Colle	Non Competitive
Alfred University	http://alfred.edu	Master's	Master's Colleges &	Non Competitive
Alice Lloyd College	Null	Baccalaureate	Baccalaureate Colle	Competitive
Allegheny College	http://allegheny.edu	Baccalaureate	Baccalaureate Colle	Non Competitive
Alliant International	Null	Doctoral	Doctoral/Profession	Non Competitive
Alma College	http://alma.edu	Baccalaureate	Baccalaureate Colle	Non Competitive
Alvernia University	http://alvernia.edu	Master's	Master's Colleges &	Non Competitive
Alverno College	http://alverno.edu	Master's	Master's Colleges &	Non Competitive
American Academy	Null	Other	Special Focus Two-Y	Non Competitive
American Academy	Null	Other	Special Focus Two-Y	Non Competitive
American College of	Null	Other	Special Focus Four-Y	Non Competitive
American Institute o	Null	Other	Special Focus Four-Y	Non Competitive
American Internatio	Null	Master's	Master's Colleges &	Non Competitive

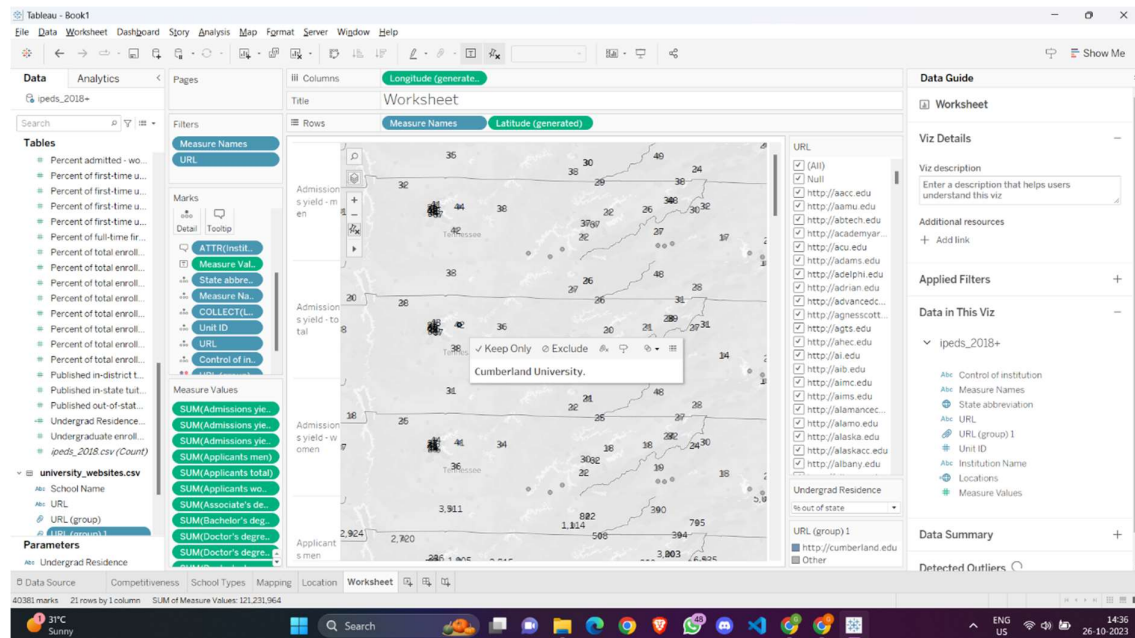
Exercise 4: Create an Interactive Menu to Explore Different Variables



Exercise 5: Add Specific Locations and Customized Tooltips to the Map



Exercise 6: Add a Worksheet Action to the map



Exercise 7: Create a Dashboard and edit Dashboard Actions

