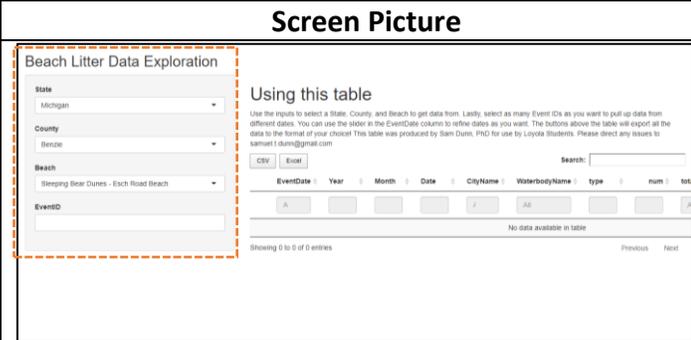
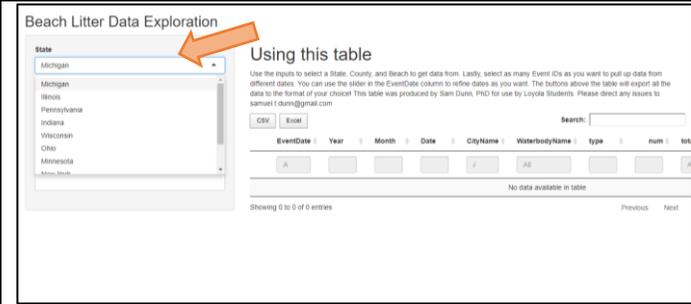


Directions

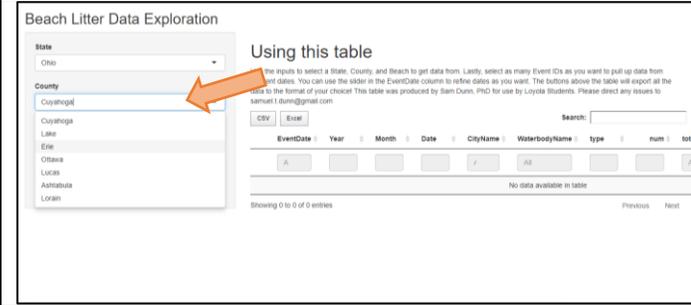
After clicking the link, this screen will appear with many dropdown menus on the left.



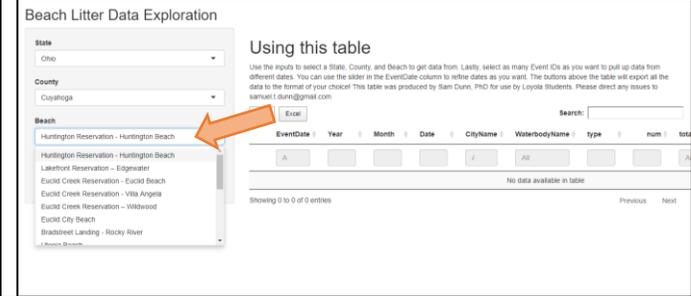
Have students start by choosing the state they would like to focus on. You have the option to assign a different state to each group, having the whole class focus on one state, or letting students choose.



Next, the counties that have data within that state will appear in the next dropdown menu. If students have chosen different states, they will have different county options to choose from.

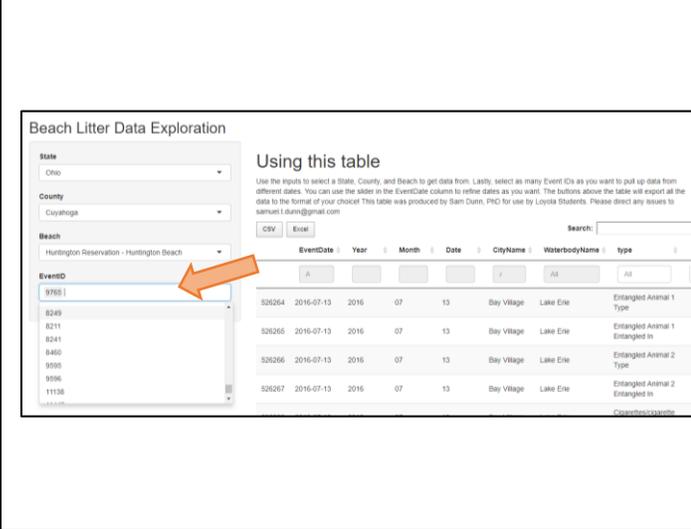


Next, have students choose which beach they would like to study. Similar to the counties, only the beaches in the selected county will appear.



Finally, choose an Event ID. These represent each clean-up event that has happened at the given beach. Generally, the larger the Event ID, the more recent the cleanup event.

Once a student clicks on an Event ID, its trash data will populate on the right of the screen. Every Event ID they click will be included in this, so make sure that each group has just one Event ID before moving to the next step. If they accidentally choose more than one, they can click next to it and hit the backspace button.



Have students click on the Excel button. This will create an Excel document with all of the same data that has populated on the screen.

Beach Litter Data Exploration

Using this table

Use the inputs to select a State, County, and Beach to get data from. Lastly, select as many Event IDs as you want to pull up data from different dates. You can use the slider in the EventDate column to refine dates as you want. The buttons above the table will export all the data in the format of your choice! This table was produced by Sam Durn, PhD for use by Loyola Students. Please direct any issues to samuel1.durn@gmail.com

State: Ohio
County: Cuyahoga
Beach: Huntington Reservation - Huntington Beach
EventID: 9765

Buttons: CSV, **Excel**, Search

EventDate	Year	Month	Date	CityName	WaterbodyName	Type	
5/26/16	2016-07-13	2016	07	13	Bay Village	Lake Erie	Entangled Animal 1 Type
5/26/16	2016-07-13	2016	07	13	Bay Village	Lake Erie	Entangled Animal 1 Entangled in
5/26/16	2016-07-13	2016	07	13	Bay Village	Lake Erie	Entangled Animal 2 Type
5/26/16	2016-07-13	2016	07	13	Bay Village	Lake Erie	Entangled Animal 2 Entangled in

Download the Excel document by clicking on the file once it appears at the bottom of the screen.

Beach Litter Data Exploration

Using this table

Use the inputs to select a State, County, and Beach to get data from. Lastly, select as many Event IDs as you want to pull up data from different dates. You can use the slider in the EventDate column to refine dates as you want. The buttons above the table will export all the data in the format of your choice! This table was produced by Sam Durn, PhD for use by Loyola Students. Please direct any issues to samuel1.durn@gmail.com

State: Ohio
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EventDate	Year	Month	Date	CityName	WaterbodyName	Type	
5/26/16	2016-07-13	2016	07	13	Bay Village	Lake Erie	Entangled Animal 1 Type
5/26/16	2016-07-13	2016	07	13	Bay Village	Lake Erie	Entangled Animal 1 Entangled in
5/26/16	2016-07-13	2016	07	13	Bay Village	Lake Erie	Entangled Animal 2 Type
5/26/16	2016-07-13	2016	07	13	Bay Village	Lake Erie	Entangled Animal 2 Entangled in

Beach Litter Data - xls

Click on the yellow 'Enable Editing' button so that students can work to visualize the data into a bar graph.

Beach Litter Data Exploration (7) - xlsx

EventDate	Year	Month	Date	CityName	WaterbodyName	Type	num	TotalNum	NumPerHours	percentAbundance
5/26/16	2016-07-13	2016	07	13	Bay Village	Lake Erie	Entangled Animal 1 Type	0	28.2	0
5/26/16	2016-07-13	2016	07	13	Bay Village	Lake Erie	Entangled Animal 1 Entangled in	0	28.2	0
5/26/16	2016-07-13	2016	07	13	Bay Village	Lake Erie	Entangled Animal 2 Type	0	28.2	0
5/26/16	2016-07-13	2016	07	13	Bay Village	Lake Erie	Entangled Animal 2 Entangled in	0	28.2	0
5/26/16	2016-07-13	2016	07	13	Bay Village	Lake Erie	Cigarettes	81	28.2	0.28898653
5/26/16	2016-07-13	2016	07	13	Bay Village	Lake Erie	Cigarette Filters	22	28.2	0.06496755
5/26/16	2016-07-13	2016	07	13	Bay Village	Lake Erie	Tobacco packaging/wrap	1	28.2	0.00294953
5/26/16	2016-07-13	2016	07	13	Bay Village	Lake Erie	Cigarette Lighters	0	28.2	0
5/26/16	2016-07-13	2016	07	13	Bay Village	Lake Erie	Food Wrappers (sandy, chips, etc.)	58	28.2	0.17189145
5/26/16	2016-07-13	2016	07	13	Bay Village	Lake Erie	Take Out/Away Containers (Foam)	0	28.2	0
5/26/16	2016-07-13	2016	07	13	Bay Village	Lake Erie	Take Out/Away Containers (Plastic)	2	28.2	0.005899705
5/26/16	2016-07-13	2016	07	13	Bay Village	Lake Erie	Bottle Caps (Plastic)	11	28.2	0.032448178
5/26/16	2016-07-13	2016	07	13	Bay Village	Lake Erie	Jars (Plastic)	1	28.2	0.00294953
5/26/16	2016-07-13	2016	07	13	Bay Village	Lake Erie	Straws/Stirrers	23	28.2	0.06768608
5/26/16	2016-07-13	2016	07	13	Bay Village	Lake Erie	Forks, Knives, Spoons	3	28.2	0.00848558
5/26/16	2016-07-13	2016	07	13	Bay Village	Lake Erie	Beverage Bottles (Plastic)	1	28.2	0.00294953
5/26/16	2016-07-13	2016	07	13	Bay Village	Lake Erie	Cups & Plates (Plastic)	1	28.2	0.00294953
5/26/16	2016-07-13	2016	07	13	Bay Village	Lake Erie	Cups & Plates (Foam)	3	28.2	0.00848558
5/26/16	2016-07-13	2016	07	13	Bay Village	Lake Erie	Grocery Bags (Plastic)	2	28.2	0.005899705
5/26/16	2016-07-13	2016	07	13	Bay Village	Lake Erie	Other Plastic Bags	6	28.2	0.017099115
5/26/16	2016-07-13	2016	07	13	Bay Village	Lake Erie	Staple-holders	0	28.2	0

Have students take note of the Event Date and the City Name.

If students are unfamiliar with the city their beach is in, they could use google maps to find where it is.

Have students go to File > Save As and save the Excel document as the name of their beach and Event ID.

Beach Litter Data Exploration (7) - xlsx

Info

Beach Litter Data Exploration (7)

Downloads

Upload

Share

Copy path

Open file location

Protect Workbook

Inspect Workbook

Manage Workbook

Browser View Options

This ensures that they won't need to go back and generate the document from the website again.

Have students click on the cell that says 'type' and drag down to highlight all the different types of trash and drag to the right to highlight all their numbers in the 'num' column.

Beach Litter Data Exploration (7) - xlsx

EventDate	Year	Month	Date	CityName	WaterbodyName	Type	num	percentAbundance	
5/26/16	2016-07-13	2016	07	13	Bay Village	Lake Erie	Entangled Animal 1 Type	0	0
5/26/16	2016-07-13	2016	07	13	Bay Village	Lake Erie	Entangled Animal 1 Entangled in	0	0
5/26/16	2016-07-13	2016	07	13	Bay Village	Lake Erie	Entangled Animal 2 Type	0	0
5/26/16	2016-07-13	2016	07	13	Bay Village	Lake Erie	Entangled Animal 2 Entangled in	0	0
5/26/16	2016-07-13	2016	07	13	Bay Village	Lake Erie	Cigarettes	81	0.28898653
5/26/16	2016-07-13	2016	07	13	Bay Village	Lake Erie	Cigarette Filters	22	0.06496755
5/26/16	2016-07-13	2016	07	13	Bay Village	Lake Erie	Tobacco packaging/wrap	1	0.00294953
5/26/16	2016-07-13	2016	07	13	Bay Village	Lake Erie	Cigarette Lighters	0	0
5/26/16	2016-07-13	2016	07	13	Bay Village	Lake Erie	Food Wrappers (sandy, chips, etc.)	58	0.17189145
5/26/16	2016-07-13	2016	07	13	Bay Village	Lake Erie	Take Out/Away Containers (Foam)	0	0
5/26/16	2016-07-13	2016	07	13	Bay Village	Lake Erie	Take Out/Away Containers (Plastic)	2	0.005899705
5/26/16	2016-07-13	2016	07	13	Bay Village	Lake Erie	Bottle Caps (Plastic)	11	0.032448178
5/26/16	2016-07-13	2016	07	13	Bay Village	Lake Erie	Jars (Plastic)	1	0.00294953
5/26/16	2016-07-13	2016	07	13	Bay Village	Lake Erie	Straws/Stirrers	23	0.06768608
5/26/16	2016-07-13	2016	07	13	Bay Village	Lake Erie	Forks, Knives, Spoons	3	0.00848558
5/26/16	2016-07-13	2016	07	13	Bay Village	Lake Erie	Beverage Bottles (Plastic)	1	0.00294953
5/26/16	2016-07-13	2016	07	13	Bay Village	Lake Erie	Cups & Plates (Plastic)	1	0.00294953
5/26/16	2016-07-13	2016	07	13	Bay Village	Lake Erie	Cups & Plates (Foam)	3	0.00848558
5/26/16	2016-07-13	2016	07	13	Bay Village	Lake Erie	Grocery Bags (Plastic)	2	0.005899705
5/26/16	2016-07-13	2016	07	13	Bay Village	Lake Erie	Other Plastic Bags	6	0.017099115
5/26/16	2016-07-13	2016	07	13	Bay Village	Lake Erie	Staple-holders	0	0

