



JellyWatch Student Reflection Instruction Sheet

Answer the questions below in your journal or below and then share with a partner/group.

1. After your class discussion of Citizen Science, why do you think Citizen Scientist endeavors are important/worthwhile?
2. Before looking at the data available from JellyWatch, what questions or concerns do you have about the quality and usefulness of this data?

Now that you have access to the Modified JellyWatch Data:

3. On your computer, look at the data set you have been given. What are your first impressions?
4. What parameters are available?
5. Compare your data table to the interactive map available on the website (analyzed data), explain which you think is more useful?

In your group, examine the data table.

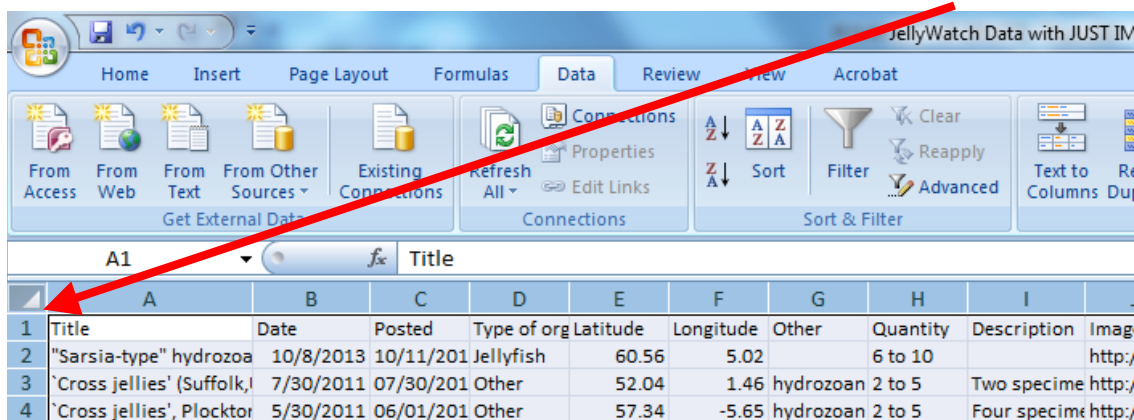
6. Record any inconsistencies in how the data is recorded. Are both scientific names and common names used? Are the same organisms listed in different categories?

Compare the fields of entry for the webpage versus the app (you can do this by comparing the Adding a Sighting to JellyWatch Webpage and Adding a Sighting to JellyWatch App).

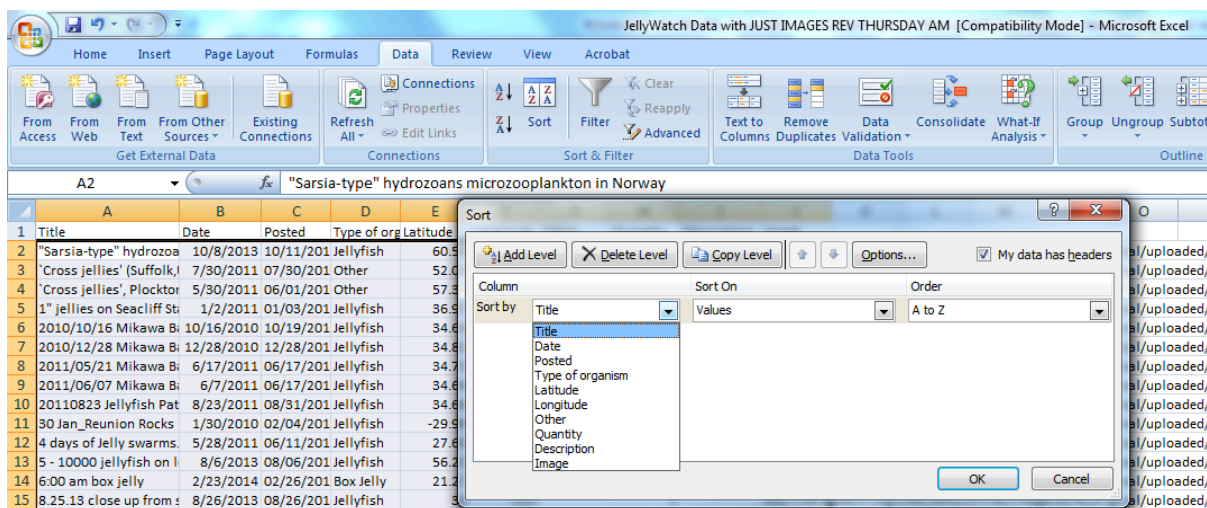
7. Explain which entry platform (web or app) you feel records better data.

Now you will select/pick/choose/be assigned a species of jellyfish/ctenophore.

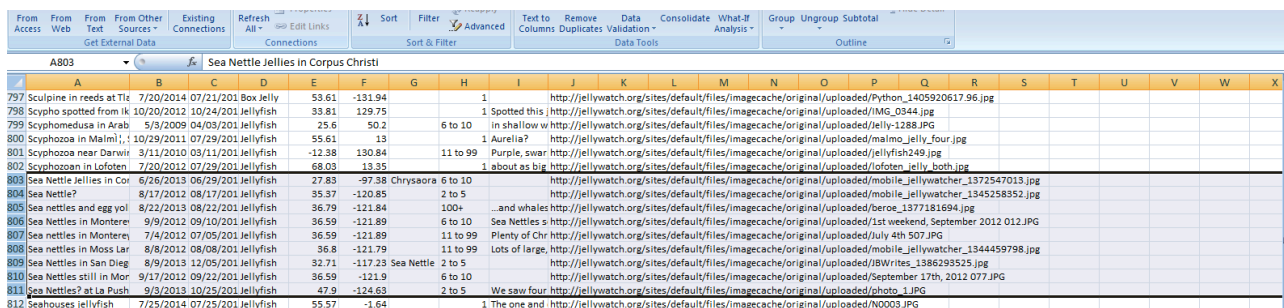
Open the Modified Data Set on your computer. Highlight the entire spreadsheet by clicking your cursor in the upper, left quadrant of the spreadsheet



Then while in the DATA tab, SORT by "Title" Column A and hit OK.



Now the names will be in alphabetical order. Scroll down to your organism name, highlight all entries for your organism and copy (Control-C on a PC). The example below is for sea nettles.



Then, click on a New Spreadsheet at the bottom of your Excel sheet and paste your data.

The screenshot shows an Excel spreadsheet with the following data:

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X
797	Sculpine in reeds at Tle	7/20/2014	07/21/201	Box jelly	53.61	-131.94				1														
798	Scyphos spotted from La	10/20/2012	10/24/201	Jellyfish	33.81	129.75				1	Spotted this													
799	Scyphomeda in Arab	5/3/2009	04/09/201	Jellyfish	25.6	50.2				6 to 10	in shallow w													
800	Scyphozoa in Malmi	10/29/2011	07/29/201	Jellyfish	55.61	13				1	Aurelia?													
801	Scyphozoa near Darw	3/11/2010	03/11/201	Jellyfish	-12.38	130.84				11 to 99	Purple, swar													
802	Scyphozoa in Lofoten	7/20/2012	07/29/201	Jellyfish	68.03	13.33				1	about as big													
803	Sea Nettle Jellies in Cor	6/26/2013	06/29/201	Jellyfish	27.83	-97.38	Chrysaora	6 to 10																
804	Sea Nettle?	8/17/2012	08/17/201	Jellyfish	35.37	-120.85		2 to 5																
805	Sea nettles and egg voi	8/22/2013	08/22/201	Jellyfish	36.79	-121.84	100+				...and whal													
806	Sea Nettles in Monter	9/9/2012	09/10/201	Jellyfish	36.59	-121.89		6 to 10			Sea Nettles s													
807	Sea nettles in Monter	7/4/2012	07/05/201	Jellyfish	36.59	-121.89		11 to 99			Plenty of Chr													
808	Sea nettles in Moss Lar	8/8/2012	08/08/201	Jellyfish	36.8	-121.79		11 to 99			Lots of large													
809	Sea Nettles in San Dieg	8/9/2013	12/05/201	Jellyfish	32.71	-117.23	Sea Nettle	2 to 5																
810	Sea Nettles still in Mor	9/17/2012	09/22/201	Jellyfish	36.59	-121.9		6 to 10																
811	Sea Nettles? at La Push	9/3/2013	10/25/201	Jellyfish	47.9	-124.63		2 to 5			We saw four													
812	Seahouses jellyfish	7/25/2014	07/25/201	Jellyfish	55.57	-154		1	The one and															
813	Seahouses outer harbo	6/29/2014	06/29/201	Jellyfish	55.57	-165					I'll leave you													
814	Seaton to Lyne Regis ir	6/22/2014	06/30/201	Jellyfish	50	-302		11 to 99			Boat trip Sea													
815	Seen on Preston beach,	6/15/2014	06/18/201	Jellyfish	50.3	-244		6 to 10			Large jellyfish													
816	Sensatori Sharm el she	2/19/2012	02/19/201	Jellyfish	2.98	34.38		11 to 99			Lots of purpl													
817	Several at Blue Heron E	8/17/2013	08/18/201	Jellyfish	37.8	-80.04		6 to 10																
818	Severe Sting by Unknow	8/13/2011	05/17/201	Box jelly																				
819	Sharm el Sheikh	6/26/2012	06/26/201	Jellyfish																				
820	Shiff arms jellyfish	8/8/2012	08/09/201	Jellyfish																				
821	Siphonophore	6/11/2013	06/12/201	Jellyfish																				
822	Siphonophore	8/15/2012	08/15/201	Other																				
823	Siphonophores and mc	1/17/2013	01/19/201	Jellyfish																				
824	siphonophores in Apto	6/16/2012	06/17/201	Jellyfish																				
825	Siphonophores in Oxn	11/10/2013	11/13/201	Other																				
826	Siphonula larva of stip	4/10/2014	04/10/201	Other																				
827	Sirolo, Riviera de Cone	8/23/2013	08/23/201	Jellyfish																				
828	Six- and five-Gina's mo	8/30/2013	09/06/201	Jellyfish																				
829	Skye	6/22/2014	06/30/201	Jellyfish																				
830	Sleepy Bay Jellies	12/16/2013	02/04/201	Jellyfish																				
831	smack of mini-jellies	6/2/2011	06/10/201	Jellyfish																				
832	Small baby man o war	12/21/2013	12/21/201	man o war																				
833	Small ctenophores in v	3/13/2013	03/15/201	Other																				

The screenshot shows a new Excel spreadsheet with the following data:

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
1	Sea Nettle	6/26/2013	06/29/201	Jellyfish	27.83	-97.38	Chrysaora	6 to 10											
2	Sea Nettle?	8/17/2012	08/17/201	Jellyfish	35.37	-120.85		2 to 5											
3	Sea nettles	8/22/2013	08/22/201	Jellyfish	36.79	-121.84	100+												
4	Sea Nettles	9/9/2012	09/10/201	Jellyfish	36.59	-121.89		6 to 10			Sea Nettles								
5	Sea nettles	7/4/2012	07/05/201	Jellyfish	36.59	-121.89		11 to 99			Plenty of Cl								
6	Sea nettles	8/8/2012	08/08/201	Jellyfish	36.8	-121.79		11 to 99			Lots of larg								
7	Sea Nettles	8/9/2013	12/05/201	Jellyfish	32.71	-117.23	Sea Nettle	2 to 5											
8	Sea Nettles	9/17/2012	09/22/201	Jellyfish	36.59	-121.9		6 to 10											
9	Sea Nettles	9/3/2013	10/25/201	Jellyfish	47.9	-124.63		2 to 5			We saw fou								

Because the organism may not be correctly identified in Column A (Type), you will need to SORT and FIND, Copy and Paste (to your new spreadsheet) from Column G (other) as well.

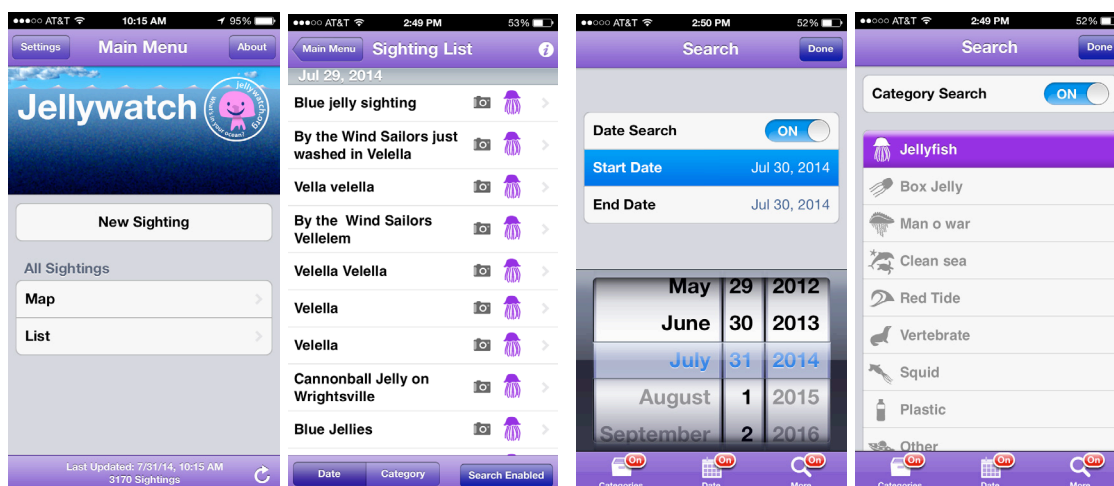
Use your new spreadsheet for the following parts.

SORT your data for Column E (latitude) and record the range of your organism.

Range: _____

Now verify this range found on JellyWatch with reputable source (check with your teacher). Explain if the JellyWatch Data is verified?

Now use the JellyWatch App and find all the sightings of all jellyfish since August 1, 2014. To do this go to the JellyWatch App homepage and Click on LIST Then click SEARCH ENABLED then change the date range then CATEGORIES and pick Jellyfish.



Using this data, which species/organism is most common in our area or (for those not on an ocean) a favorite coastal vacation spot?

Finally, create an infographic on your chosen jelly according to your teacher's directions.