

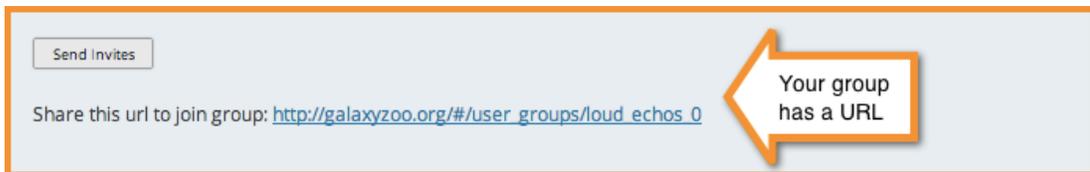
Student Guide to Galaxy Zoo Navigator – Classifying and Analyzing Data as a Group

When you classify galaxies in Galaxy Zoo, your answers are added to those submitted by the entire Galaxy Zoo community. The Galaxy Zoo scientists have created a tool called Navigator that allows Zooites (Galaxy Zoo contributors) to form groups and analyze galaxies together. Within the Navigator tool, you can create many different graphs from the data your group analyzes.

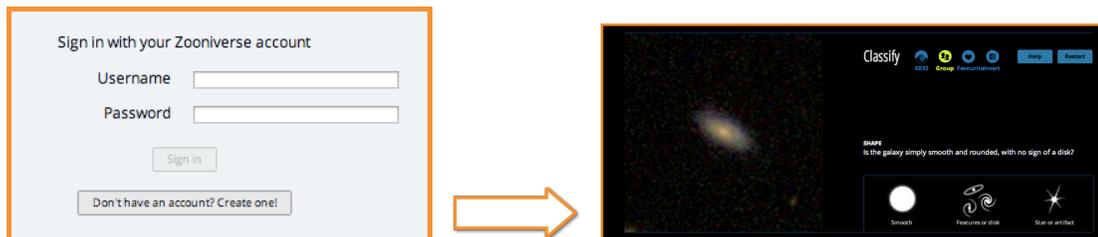
Before using this guide, you should have a Zooniverse account. Your teacher has set up a group that you need to join (below). Once you have joined this group, use the instructions that start at the top of page 2. Help with classifying galaxies can be found in the *Galaxy Zoo Student Guide*. A detailed example using some of the questions you find while classifying galaxies can be found in *Zookeeping*.

Join Your Group for the First Time – YOU WILL DO THIS ONLY ONCE

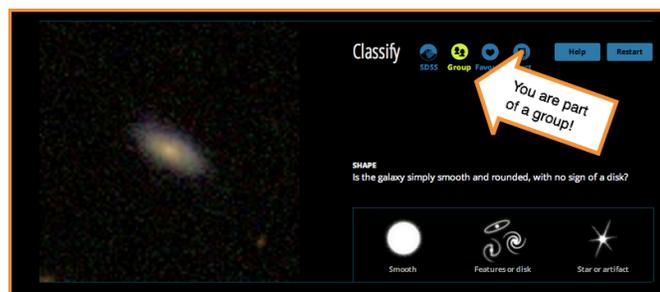
- Use the URL your teacher gives you to join your group. It looks like this:



- If you are not logged in to Galaxy Zoo, the URL sends you here. Just LOG IN



- If you are logged in to Galaxy Zoo, the URL sends you here. Get to work.

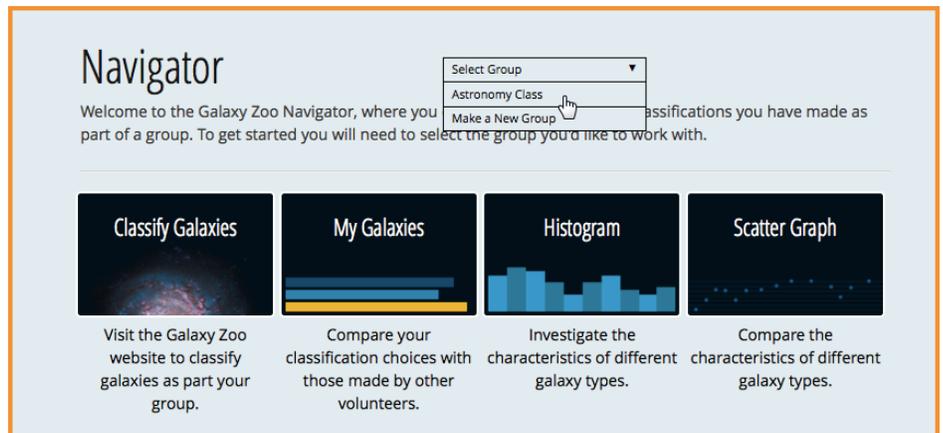
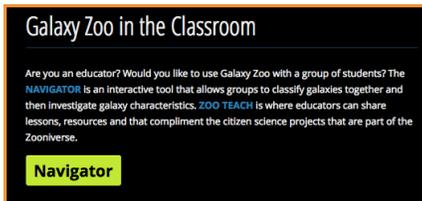


- Click the green **Group** button to see your group's page in Navigator. Go to Step 2 on page 2.
- From now on, follow the instructions that start at the top of page 2 to classify as part of your group.

Classifying as Part of a Group in Navigator

Step 1 – Log in to Galaxy Zoo and Navigator

- Go to the [Galaxy Zoo](#) website
- Login
- Scroll down to the section titled **Galaxy Zoo in the Classroom** and click the green **Navigator** button.
- This brings you to the Navigator home screen.
- Select your group from the dropdown menu



Step 2 – Go to Classify Galaxies

- As soon as you select your group for the dropdown menu, you are sent to your personal Navigator page.



- Click the **Classify in Group** button to contribute galaxy classifications to your group.
- Be sure that you see the green **Group** indicator at the top of the Classify window. If you do not, try reloading the page.



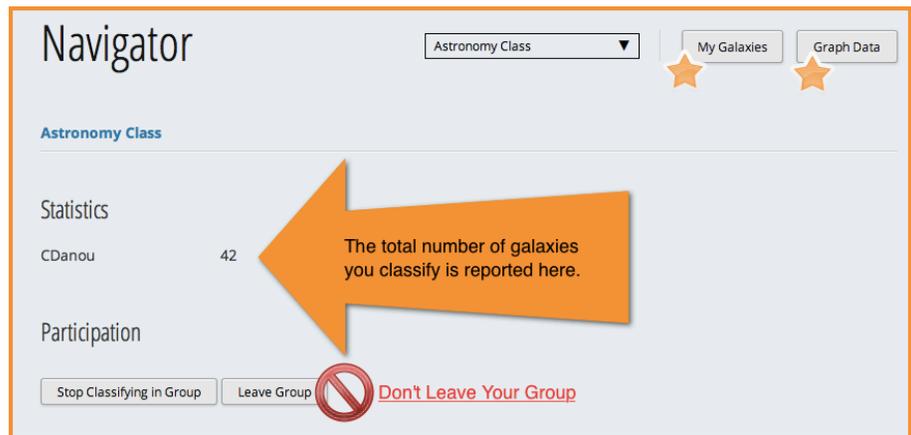
Step 3 Classify Galaxies

All the galaxies you classify will now be part of a special subset of galaxy classifications that belong to your group. For help classifying galaxies see *Galaxy Zoo Student Guide* and *Zoo Keeping*.

Working with Group Data

Step 1 – Exit the Classify Galaxy Page

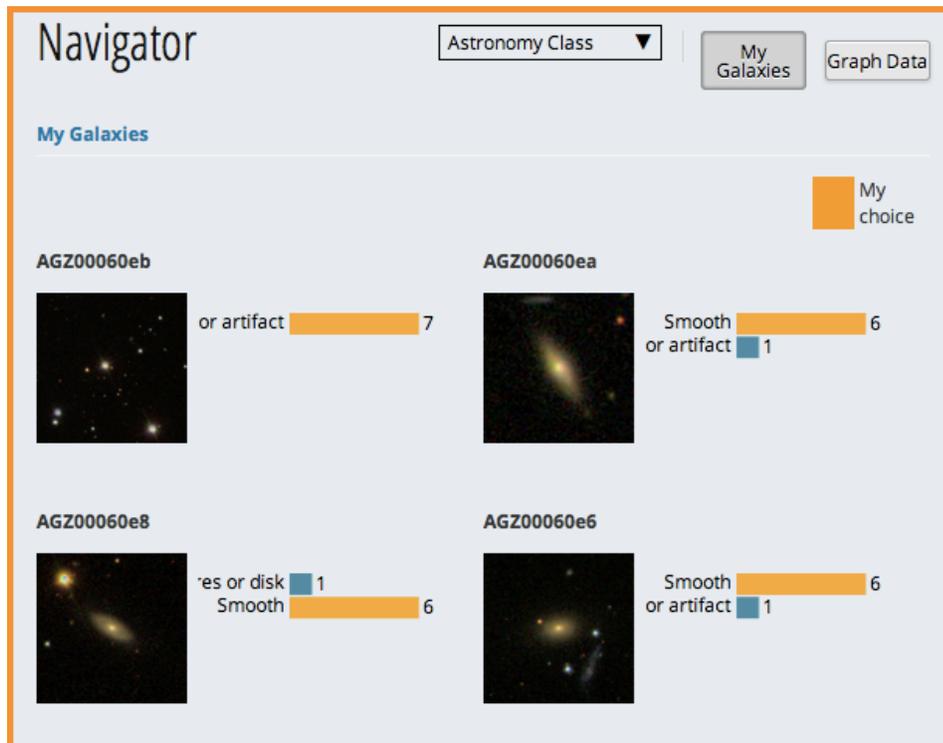
- Return to your Navigator student page by clicking the green **Group** button.
- Notice that this page now has two additional buttons: **My Galaxies**  and **Graph Data** 
- You may also choose to **Stop Classifying in a Group**
- **Warning!!** If you choose the button, **Leave Group**, you will remove yourself from the group and all your data will be removed as well.



Step 2 Review My Galaxies

Select the **My Galaxies** button to see the last 14 galaxies you classified as part of the group. This is a good place to visit frequently as you begin classifying. It gives you a chance to compare your classification to those of other Zooites.

- Each galaxy image is a link to more information about that galaxy. For help understanding this information see the *Student Guide to the Navigator Graphing Tool*.
- Notice in the example below that you get a chance to see how everyone else from the Galaxy Zoo answered the first question - *Is the galaxy simply smooth and rounded, with no sign of a disk?* The answer you chose is shown in yellow. Compare your answer with the majority. How are you doing? Is there more agreement on this question for some galaxies than others? Keep checking back.



Step 3 Graph Data

The Graphing tool is the heart of Navigator. Here you are able to quickly construct graphs using the data that are available for the objects you classify. Some of the data are generated by your group and other Zooites and other data are measured and recorded by computers. **Graph Data** will take you to this tool. See *the Student Guide to the Navigator Graphing Tool* for more information about this tool and the data it displays.

