# EasyA User Documentation

The EasyA program provides information to the user, a student, with relevant data about which grades a professor(s) is/are giving for a particular class. All data is shown in graph format. More specifically, the user can:

- View the distribution of grade percentages in a single class, single department, or all same-level classes within a department.
- View the distribution of grade percentages of a particular level within a department (i.e., all Math 400-level).
- Filter data to include all instructors (default) or only regular faculty.
- Choose to view the percentage of A's (default) or the percentage of D's/F's.
- Resizable graphs for side-by-side comparisons.

## Below is the Welcome Screen for EasyA:

This is the initial screen that loads when EasyA is launched. The bottom section gives details concerning the grade data and its source. The user can then choose between two use cases for the system:
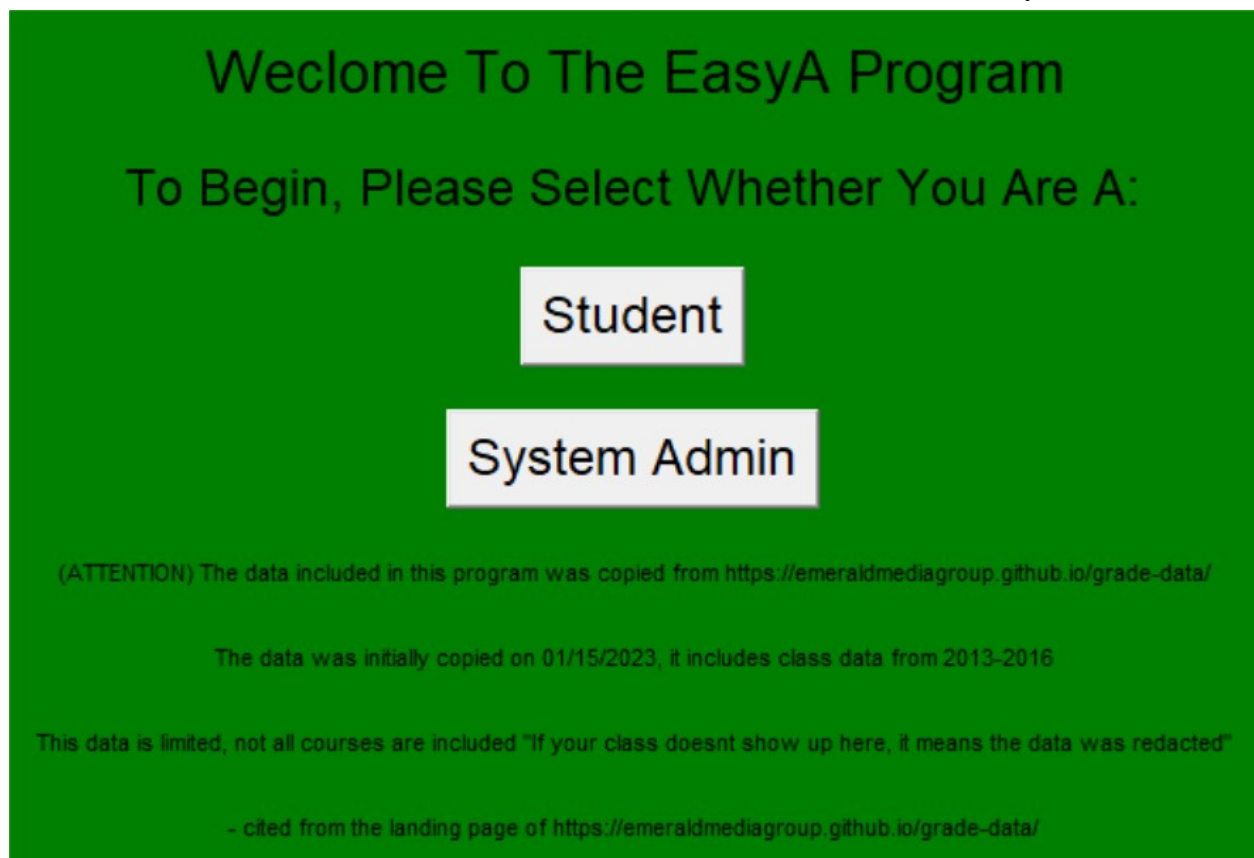


*Figure 1. Welcome Screen*

**Getting Started**

1) For a student wanting to use the system to determine which professor or class to take based on grade percentage data, click the *Student* button.
2) For a system admin wishing to add new data to the system, click the *System Admin* button.

# Clicking on *Student* takes you to the Student Screen:

The screen offers several options for the user to choose from to tailor the data that will be generated by the EasyA system. Once the desired options are selected, the user must click on the *Generate Graph* button. Options are grouped under *Course Selection* and *Graph Data Filter*.



*Figure 2. Example Student Screen*

**Course Selection**

1) *(Required)* To select a department, the user will click on the dropdown menu below *Department*. This dropdown menu continues a list of all departments within the Natural Sciences (i.e. Biology).
2) Once a department has been selected, the user can specify which course level to view (i.e., All 100-Level). The option to choose *All Departments* is also available. This selection is found under *Course Level* as a dropdown menu.
3) To further narrow the data, a specific course level may also be given to the system under *Specific Course Level*. Here, the user would need to manually input the course level in the text input box.
   **Note:** The *Course Level* dropdown gives grade data for classes in that level. The *Specific Course Level* gives grade data for instructors in that course level. One and/or the other must be selected.

**Graph Data Filter**

1) By default, all instructors will be displayed in the generated graph output. This includes both regular faculty and graduate student instructors. A user who only wants regular faculty to be included in the graph would simply check the *Just Regular Faculty* box.

2) The user can select which *Graph Mode* to view by selecting *EasyA* (%A's) or *Just Pass* (%D's & %F's). This change is reflected on the y-axis of the graph.

3) An additional option to include class count can also be checked on or off. If on, the class count is displayed in parenthesis alongside the instructor's name (i.e., Smith (20)).

# Click *Generate Graph* button once all options are selected:

EasyA fetches the grade data the user inputted from *Course Selection* and formats it to a graph that matches the user's input from *Graph Data Filter*. Below is the graph that would be generated and displayed using the user input provided in *Figure 2*.
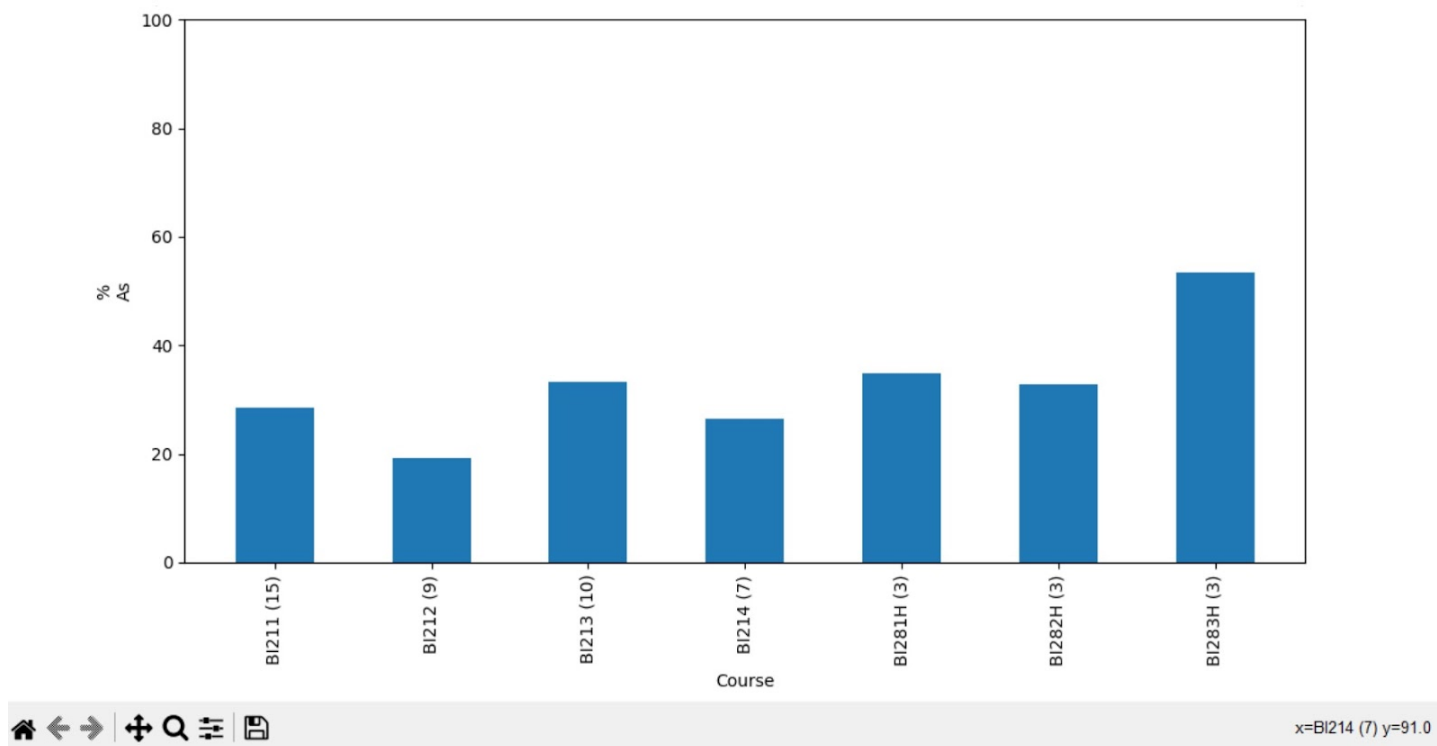


***Figure 3. All-200 Level Biology Courses***

# Clicking on *System Admin* takes you to the Admin Screen:

The administrator screen was designed such that the uploading of data may be a simple two-step process.

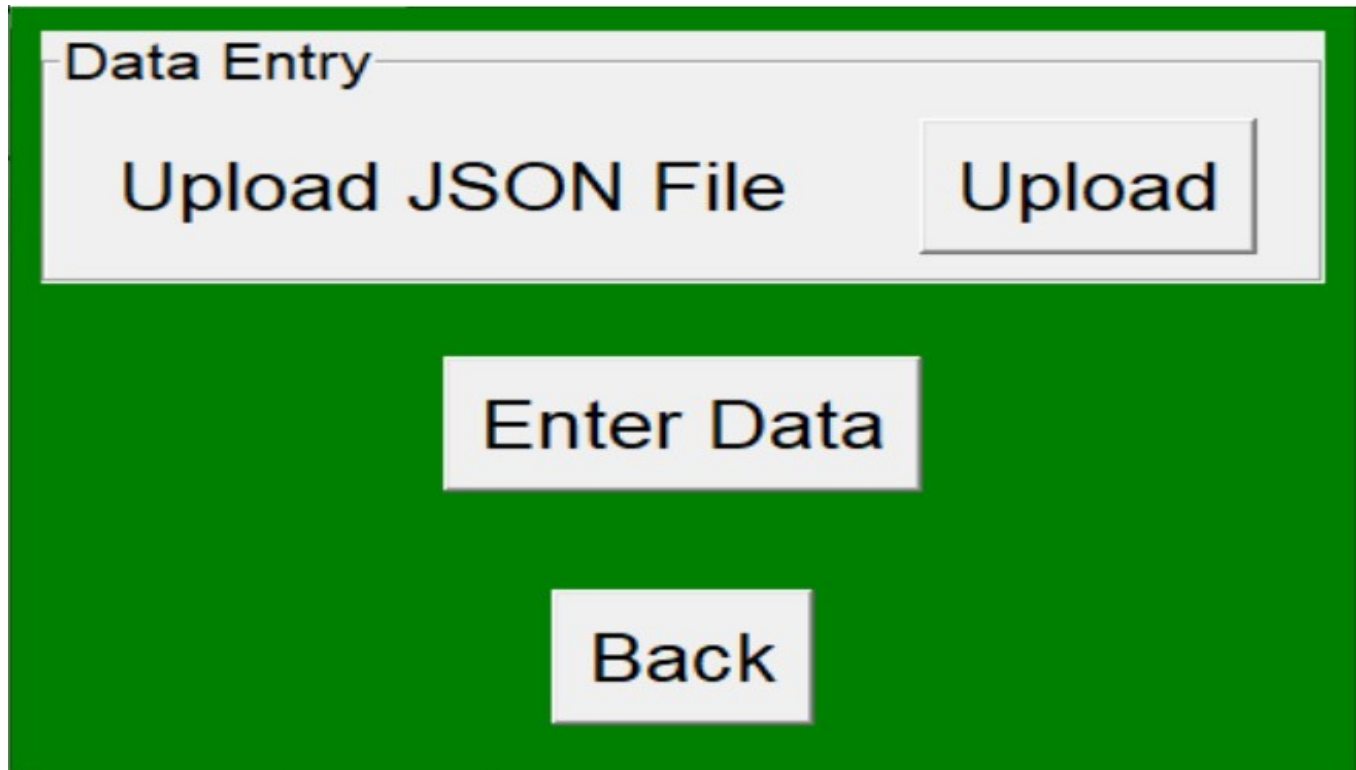**Note:** the file containing the data to be added <u>must</u> be in JSON format.



*Figure 3. Admin Screen*

**Uploading Data**

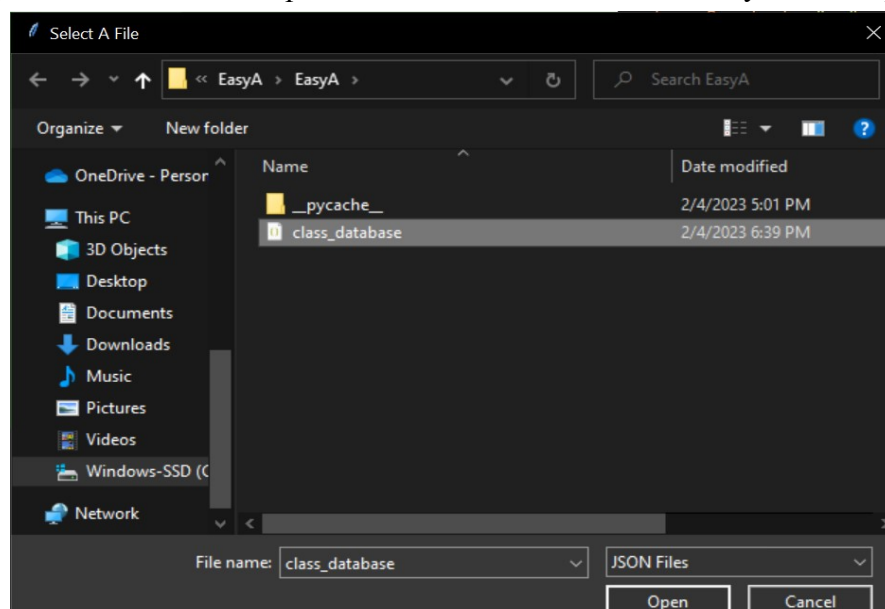1) Under *Data Entry*, the user clicks the *Upload* button and selects the file they wish to upload.



*Figure 4.*

2) After the file has been successfully uploaded, the user clicks on the *Enter Data* button to finalize the data to be added to the system.
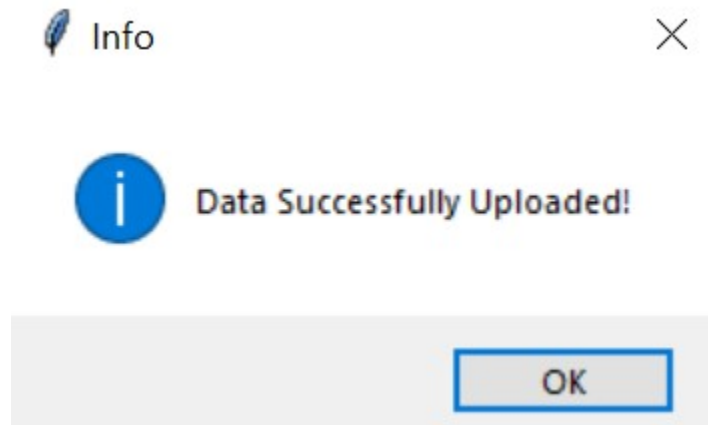


***Figure 5.***

**Going back to Welcome Screen**

1) After closing the confirmation box, the Admin Screen from *Figure 3* will reappear. The user can then click the *Back* button to return to the main screen.

# Acknowledgments