





# User Manual

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## 1. Icons

ID	Icon	Function
student		List of data sets available to be visualized: <ul style="list-style-type: none"><li>• Student Gender</li><li>• Student Grades</li><li>• Student Year</li><li>• Student Attendance</li></ul>
manual		Help / Manual: <ul style="list-style-type: none"><li>• User manual</li></ul>

## 2. Accessing the application

When you open the SIMS Discover application, a login page (Figure 1).

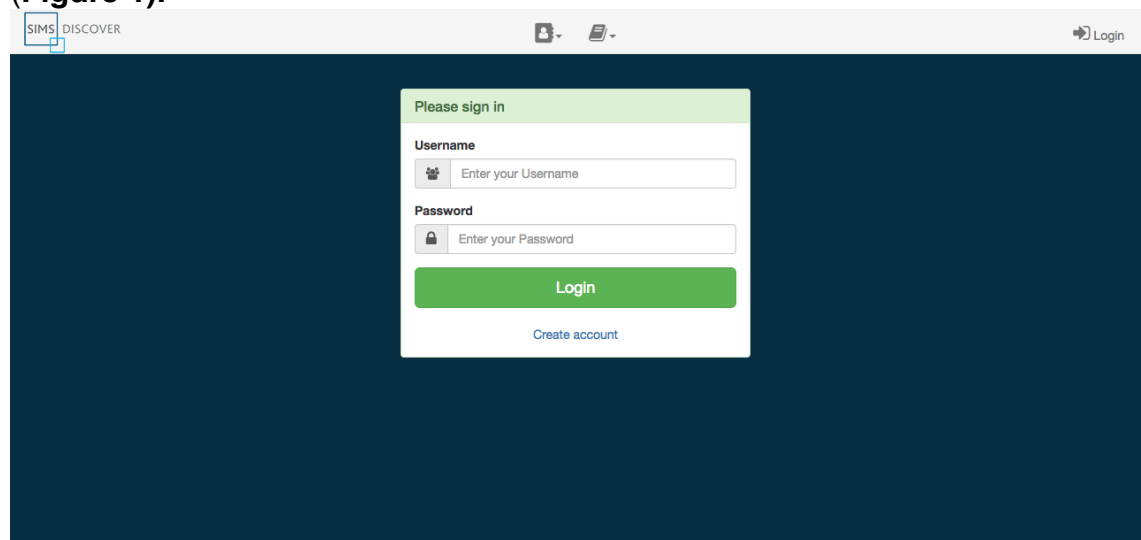


Figure 1: Login page

### Option 1: Existing user account

1. Enter your username.
2. Enter your password.

### Option 2: New user account

1. Click **Create account** at bottom of the page.
2. You will be redirected to a register page.
3. Fill in all the required fields (**Name, Email, Username, Password**).
4. An error message will be displayed if the email is already registered or if password or email are less than 5 characters long.

## 3. Visualizing Data

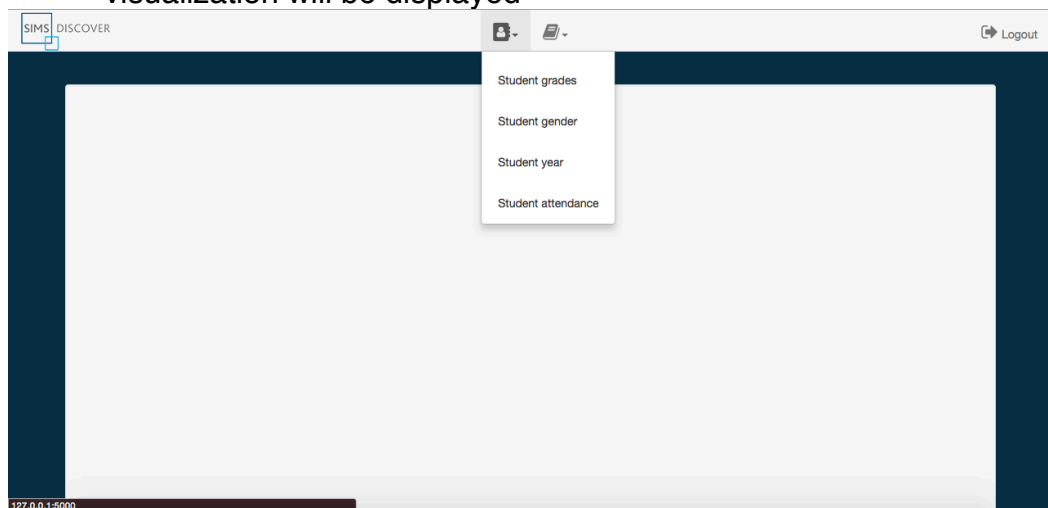
### 3.1 Canvas

After logging in, you will be redirected to **Figure 2**, consisting with a toolbar (icons found in **Section 1**) and a canvas.

The canvas will be your work area where you will be able to drop data sets to visualize them.

### 3.2 Selecting data sets

1. Click on **student** (refer to **Section 1**) button on the toolbar.
2. As seen in **Figure 2**, you will be shown four data set options:
  - Student grades
  - Student gender
  - Student year
  - Student attendance
3. Drag and drop any of the options on the canvas, and a visualization will be displayed



**Figure 2:** Student button

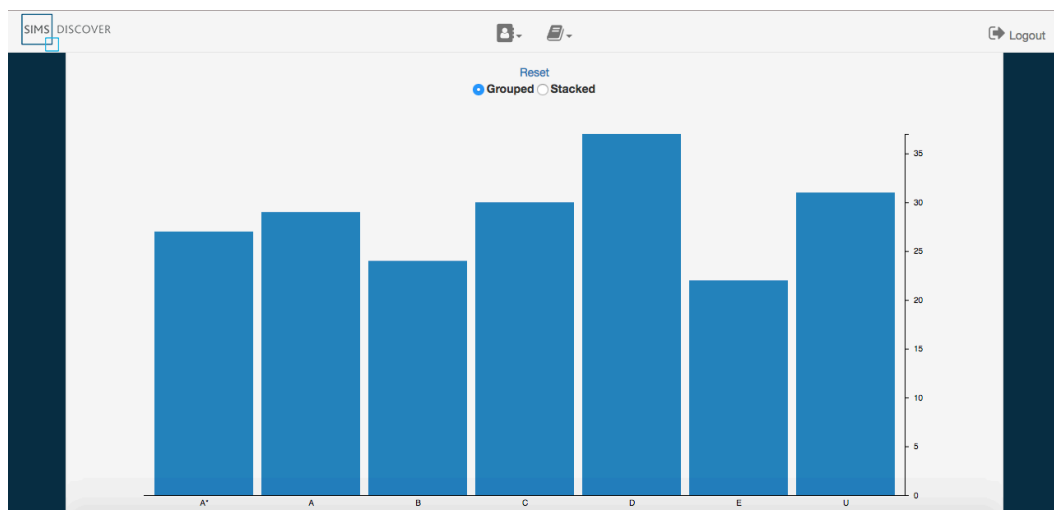
### 3.3 Merging data sets

If the following pairs of data sets are dropped consecutively on the canvas, a bar chart with both data sets will be displayed:

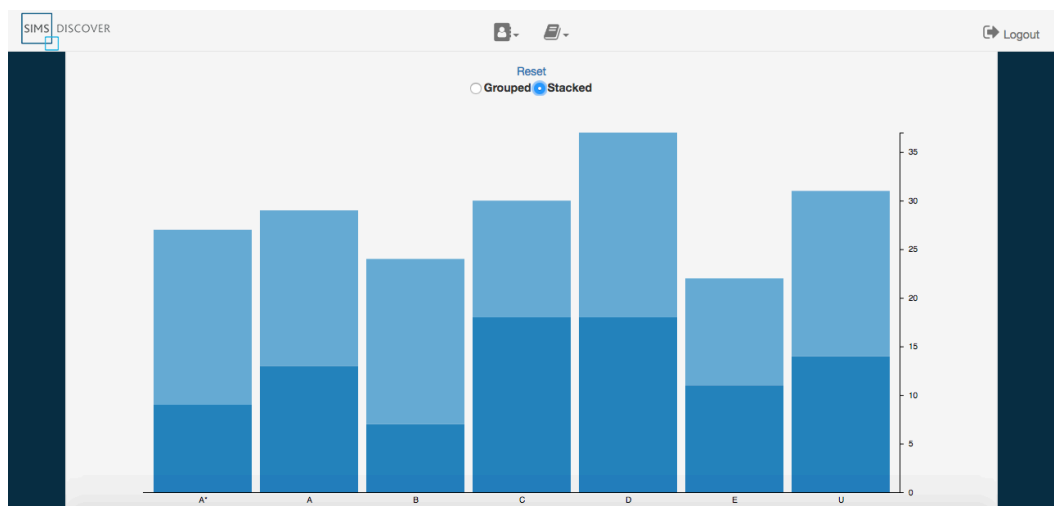
- Student gender and student grades
- Student gender and student attendance

### 3.4 Visualization options

- **Bar charts**– used for gender, attendance and grades.
  - Grouped (**Figure 3**) – one bar per set.
  - Stacked (**Figure 4**)– sets displayed on top of each other. Useful when merging data sets.

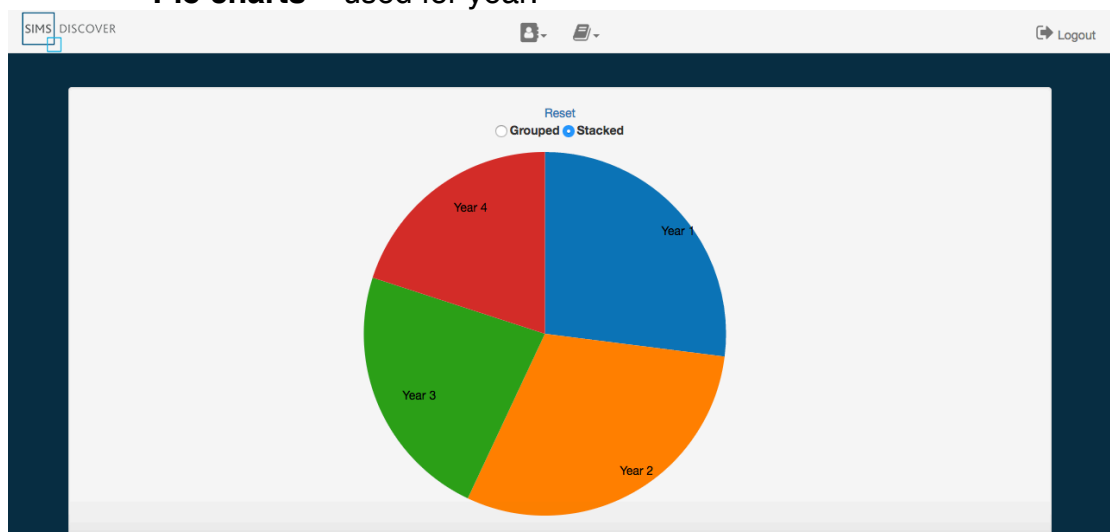


**Figure 3: Grouped bar chart**



**Figure 4: Stacked bar chart**

- **Pie charts** – used for year.



**Figure 5: Pie chart**

## 4. Further Enquiries

For any enquiries about, visit our page:  
<http://students.cs.ucl.ac.uk/2016/team1>

Or optionally, email a member from our team:

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