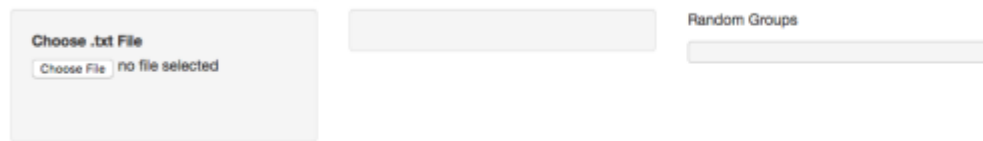


## How to Use Random Group Assignment Application

This document shows how to use the Shiny (a web-based R library) application Groups to randomly assign students to groups for group activities. The first step is to create a text file containing your class roster. Although this is the first step, we will describe it last in this write-up. We assume that your roster already exists and accessible in the file system of the computer you will be using to assign groups.

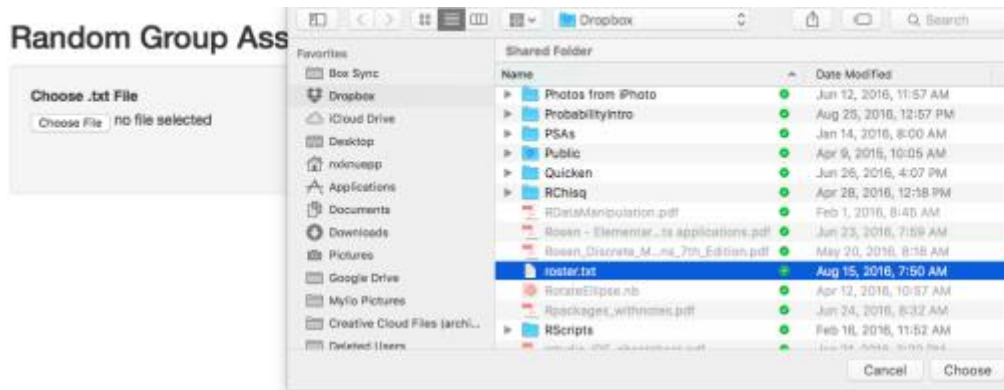
**Step 1.** Open the application itself. (<http://lmcstatistics.shinyapps.io/Groups/>)  
The initial screen is shown below.

### Random Group Assignment



The screenshot shows the initial interface of the 'Random Group Assignment' application. On the left, there is a box titled 'Choose .txt File' containing a 'Choose File' button and the text 'no file selected'. To the right of this box is a large, empty rectangular input area. Further to the right, there is a label 'Random Groups' positioned above a horizontal input field.

**Step 2.** On the left-hand column, click the Choose .txt File button. This will open a file browser, as shown below, and from that you select your roster (a text file). From the browser, select Choose.



**Step 3.** The second column populates with the students from your roster. All students are checked initially.

## Random Group Assignment

Choose .txt File

Choose File

roster.txt

Upload complete

Generate Groups

Check Attendees

☒ Adams, Ansel

☒ Brown, Bobby

☒ Canseco, Jose

☒ Dumpty, Humpty

☒ Early, Morning

☒ Faraday, Michael

☒ Gold, Missy

☒ Heaviside, Joseph

☒ Isaac, Newton

☒ Jacobson, Steven

☒ Kiley, Steve

☒ Lambert, Susan

☒ Monroe, Doctrine

☒ Nickelby, Nicholas

☒ Otter, Beth

☒ Peterson, Pete

☒ Quimby, Quinn

☒ Robocall, Joe

☒ Stevenson, Steve

☒ Trebek, Alex

☒ Undercoat, Winter

☒ Vickerson, Victor

☒ Williams, Venus

Random Groups

**Step 4.** Uncheck the absent students, as show in the example below.

## Random Group Assignment

Choose .txt File

Choose File

Upload complete

Generate Groups

**Check Attendees**

- ☐ Adams, Ansel
- ☒ Brown, Bobby
- ☒ Canseco, Jose
- ☒ Dumpty, Humpty
- ☒ Early, Morning
- ☐ Faraday, Michael
- ☒ Gold, Missy
- ☒ Heaviside, Joseph
- ☒ Isaac, Newton
- ☒ Jacobson, Steven
- ☒ Kiley, Steve
- ☒ Lambert, Susan
- ☐ Monroe, Doctrine
- ☒ Nickelby, Nicholas
- ☒ Otter, Beth
- ☐ Peterson, Pete
- ☒ Quimby, Quinn
- ☒ Robocall, Joe
- ☐ Stevenson, Steve
- ☒ Trebek, Alex
- ☒ Undercoat, Winter
- ☒ Vickerson, Victor
- ☒ Williams, Venus

Random Groups

**Step 5.** Check the Generate Groups button in the second column. This will produce a random group assignment, as shown below.

## Random Group Assignment

Choose .txt File

**Check Attendees**

☐ Adams, Ansel

☒ Brown, Bobby

☒ Canseco, Jose

☒ Dumpty, Humpty

☒ Early, Morning

☐ Faraday, Michael

☒ Gold, Missy

☒ Heaviside, Joseph

☒ Isaac, Newton

☒ Jacobson, Steven

☒ Kiley, Steve

☒ Lambert, Susan

☐ Monroe, Doctrine

☒ Nickelby, Nicholas

☒ Otter, Beth

☐ Peterson, Pete

☒ Quimby, Quinn

☒ Robocall, Joe

☐ Stevenson, Steve

☒ Trebek, Alex

☒ Undercoat, Winter

☒ Vickerson, Victor

☒ Williams, Venus

Random Groups

Group	Members
1	Early, Morning
1	Vickerson, Victor
1	Williams, Venus
2	Dumpty, Humpty
2	Otter, Beth
2	Quimby, Quinn
3	Heaviside, Joseph
3	Jacobson, Steven
3	Lambert, Susan
4	Isaac, Newton
4	Kiley, Steve
4	Undercoat, Winter
5	Brown, Bobby
5	Gold, Missy
5	Robocall, Joe
6	Canseco, Jose
6	Nickelby, Nicholas
6	Trebek, Alex

**Step 6.** If you want to generate a different group set, just click Generate Groups again. A different group will be produced. You won't run of groups. You can do the math.

## Random Group Assignment

Choose .txt File

Choose File roster.txt

Upload complete

Generate Groups

Check Attendees

☐ Adams, Ansel

☒ Brown, Bobby

☒ Canseco, Jose

☒ Dumpty, Humpty

☒ Early, Morning

☐ Faraday, Michael

☒ Gold, Missy

☒ Heaviside, Joseph

☒ Isaac, Newton

☒ Jacobson, Steven

☒ Kiley, Steve

☒ Lambert, Susan

☐ Monroe, Doctrine

☒ Nickelby, Nicholas

☒ Otter, Beth

☐ Peterson, Pete

☒ Quimby, Quinn

☒ Robocall, Joe

☐ Stevenson, Steve

☒ Trebek, Alex

☒ Undercoat, Winter

☒ Vickerson, Victor

☒ Williams, Venus

Random Groups

Group	Members
1	Brown, Bobby
1	Heaviside, Joseph
1	Kiley, Steve
2	Jacobson, Steven
2	Nickelby, Nicholas
2	Quimby, Quinn
3	Gold, Missy
3	Isaac, Newton
3	Undercoat, Winter
4	Dumpty, Humpty
4	Trebek, Alex
4	Vickerson, Victor
5	Canseco, Jose
5	Robocall, Joe
5	Williams, Venus
6	Early, Morning
6	Lambert, Susan
6	Otter, Beth

**The Class Roster.** The class roster we have been using appears below. The only thing special about the file is that the names appear within double quotes. There's no requirement to have last name first. However you want your class list to appear is fine, as long as each student appears on a separate line, and the name is in double quotes.

You can use whatever program you like to generate your roster, as long as the software can save the roster as a plain text file. Here are two text editors that will do the job.

Mac: TextWrangler (free)

Windows: Notepad (free)

### **roster.txt**

```
"Adams, Ansel"  
"Brown, Bobby"  
"Canseco, Jose"  
"Dumpty, Humpty"  
"Early, Morning"  
"Faraday, Michael"  
"Gold, Missy"  
"Heaviside, Joseph"  
"Isaac, Newton"  
"Jacobson, Steven"  
"Kiley, Steve"  
"Lambert, Susan"  
"Monroe, Doctrine"  
"Nickelby, Nicholas"  
"Otter, Beth"  
"Peterson, Pete"  
"Quimby, Quinn"  
"Robocall, Joe"  
"Stevenson, Steve"  
"Trebek, Alex"  
"Undercoat, Winter"  
"Vickerson, Victor"  
"Williams, Venus"
```