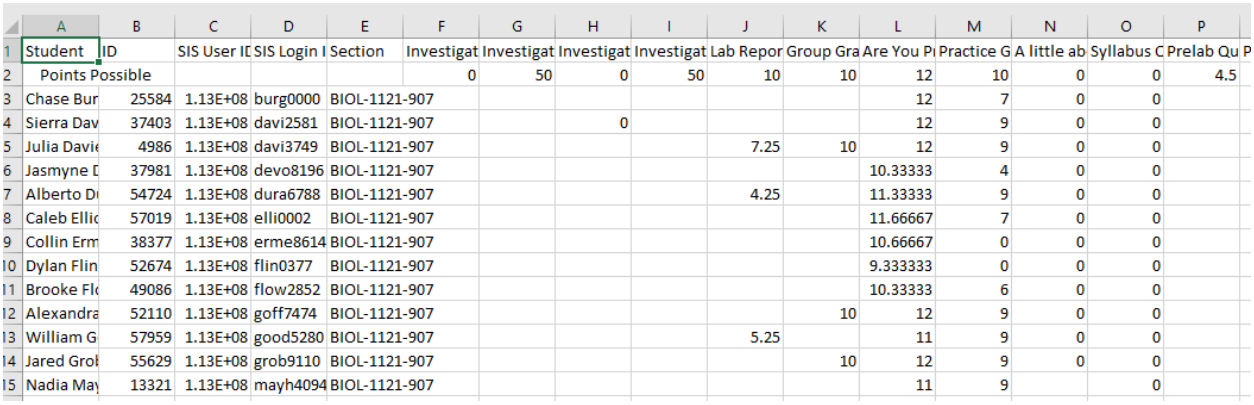
A quick guide on peerEV calculator GUI

Version 2.3

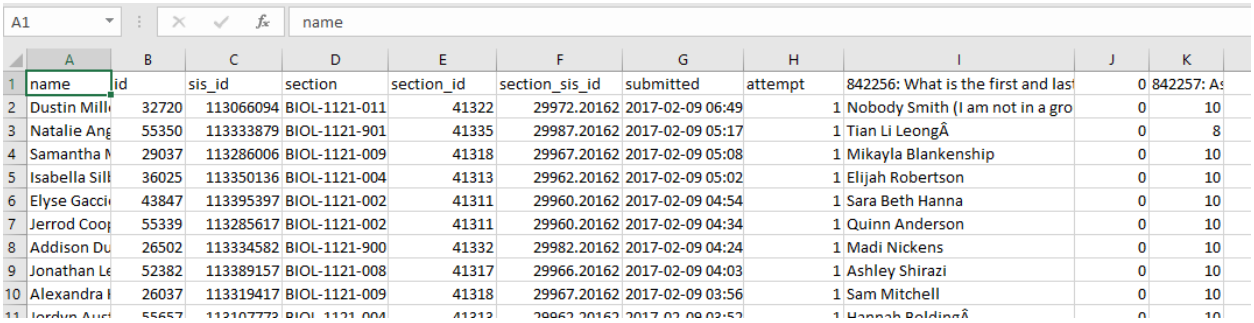
Some preparation before you launch the calculator GUI.

- Download the survey data of specific peer evaluation from Canvas. (Course page Quizzes section).



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	Student	ID	SIS User ID	SIS Login I	Section	Investigat	Investigat	Investigat	Investigat	Lab Repor	Group Gra	Are You Pr	Practice G	A little ab	Syllabus C	Prelab Qu
2	Points Possible					0	50	0	50	10	10	12	10	0	0	4.5
3	Chase Bur	25584	1.13E+08	burg0000	BIOL-1121-907							12	7	0	0	
4	Sierra Dav	37403	1.13E+08	davi2581	BIOL-1121-907			0				12	9	0	0	
5	Julia Davie	4986	1.13E+08	davi3749	BIOL-1121-907					7.25	10	12	9	0	0	
6	Jasmyne D	37981	1.13E+08	devo8196	BIOL-1121-907							10.33333	4	0	0	
7	Alberto Du	54724	1.13E+08	dura6788	BIOL-1121-907					4.25		11.33333	9	0	0	
8	Caleb Ellic	57019	1.13E+08	elli0002	BIOL-1121-907							11.66667	7	0	0	
9	Collin Erm	38377	1.13E+08	erme8614	BIOL-1121-907							10.66667	0	0	0	
10	Dylan Flin	52674	1.13E+08	flin0377	BIOL-1121-907							9.333333	0	0	0	
11	Brooke Flo	49086	1.13E+08	flow2852	BIOL-1121-907							10.33333	6	0	0	
12	Alexandra	52110	1.13E+08	goff7474	BIOL-1121-907						10	12	9	0	0	
13	William G	57959	1.13E+08	good5280	BIOL-1121-907					5.25		11	9	0	0	
14	Jared Grob	55629	1.13E+08	grob9110	BIOL-1121-907						10	12	9	0	0	
15	Nadia May	13321	1.13E+08	mayh4094	BIOL-1121-907							11	9		0	

- Download the class roster from Canvas. (Course page Grades section, only need to do it once.)



A1 | name

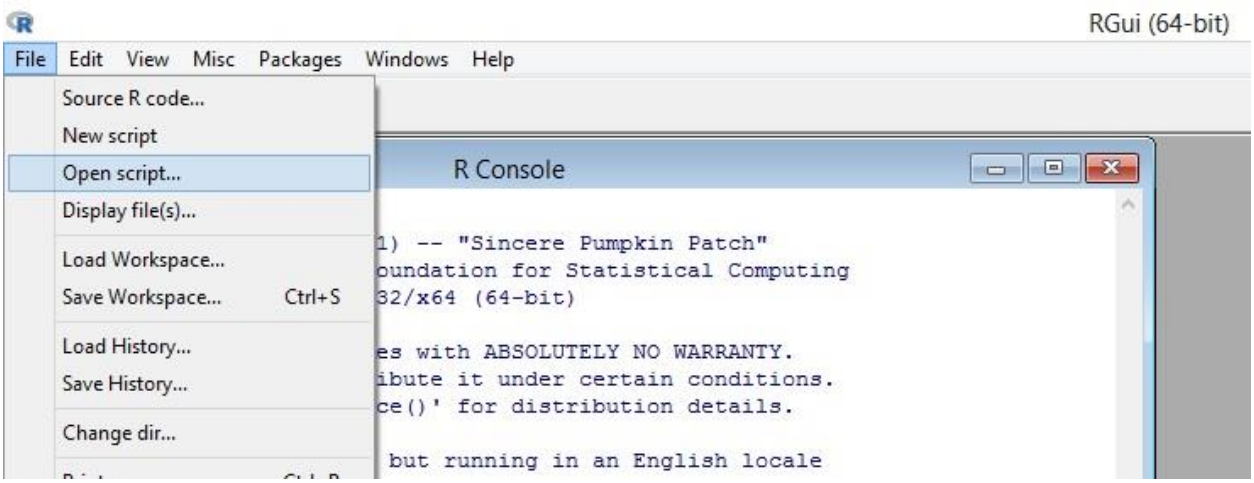
	A	B	C	D	E	F	G	H	I	J	K
1	name	id	sis_id	section	section_id	section_sis_id	submitted	attempt	842256: What is the first and last	0	842257: As
2	Dustin Mill	32720	113066094	BIOL-1121-011	41322	29972.20162	2017-02-09 06:49	1	Nobody Smith (I am not in a gro	0	10
3	Natalie Ang	55350	113333879	BIOL-1121-901	41335	29987.20162	2017-02-09 05:17	1	Tian Li LeongÂ	0	8
4	Samantha M	29037	113286006	BIOL-1121-009	41318	29967.20162	2017-02-09 05:08	1	Mikayla Blankenship	0	10
5	Isabella Silk	36025	113350136	BIOL-1121-004	41313	29962.20162	2017-02-09 05:02	1	Elijah Robertson	0	10
6	Elyse Gacci	43847	113395397	BIOL-1121-002	41311	29960.20162	2017-02-09 04:54	1	Sara Beth Hanna	0	10
7	Jerrod Coop	55339	113285617	BIOL-1121-002	41311	29960.20162	2017-02-09 04:34	1	Quinn Anderson	0	10
8	Addison Du	26502	113334582	BIOL-1121-900	41332	29982.20162	2017-02-09 04:24	1	Madi Nickens	0	10
9	Jonathan Le	52382	113389157	BIOL-1121-008	41317	29966.20162	2017-02-09 04:03	1	Ashley Shirazi	0	10
10	Alexandra H	26037	113319417	BIOL-1121-009	41318	29967.20162	2017-02-09 03:56	1	Sam Mitchell	0	10
11	Jordyn Aust	55657	113107773	BIOL-1121-004	41313	29962.20162	2017-02-09 03:52	1	Hannah BoldingÂ	0	10

- Have R installed on your computer.

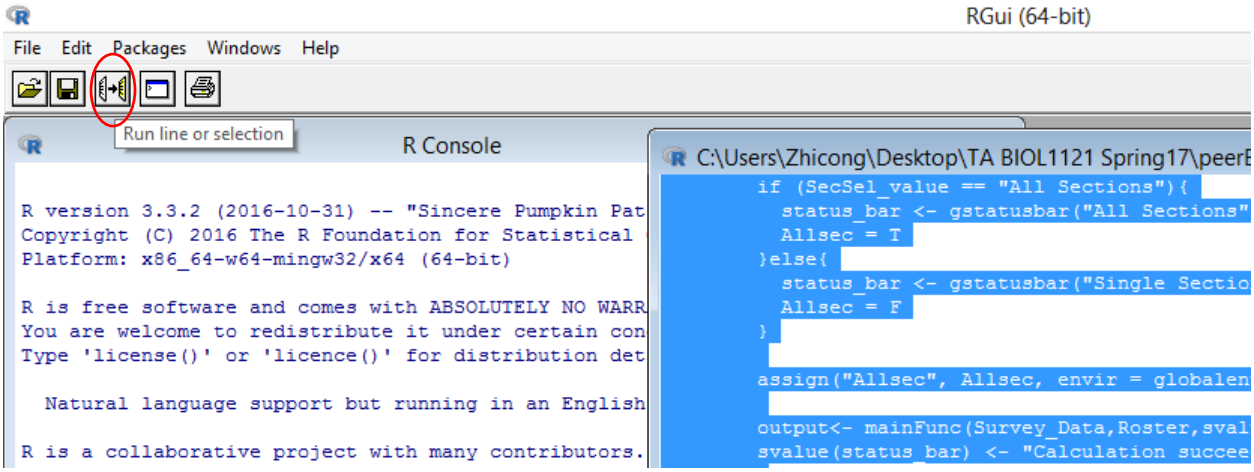
- Have the script ready.

Now, we are ready to launch the GUI, please follow the steps mentioned below.

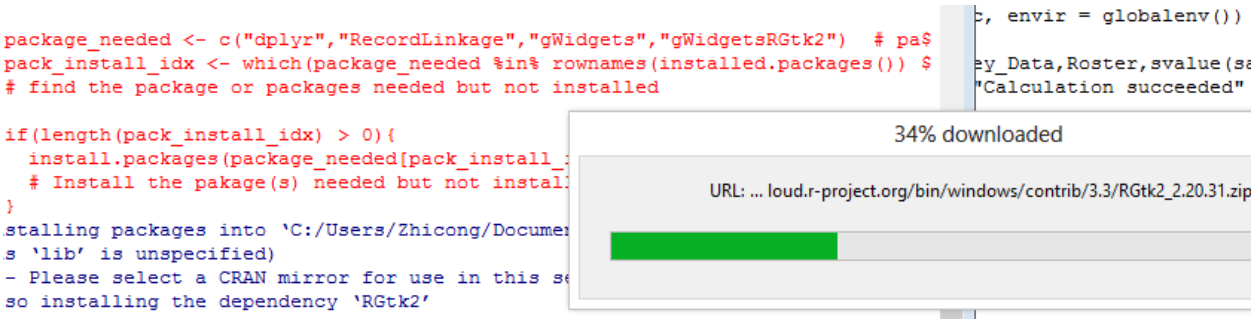
1. Launch R and open the script from R.

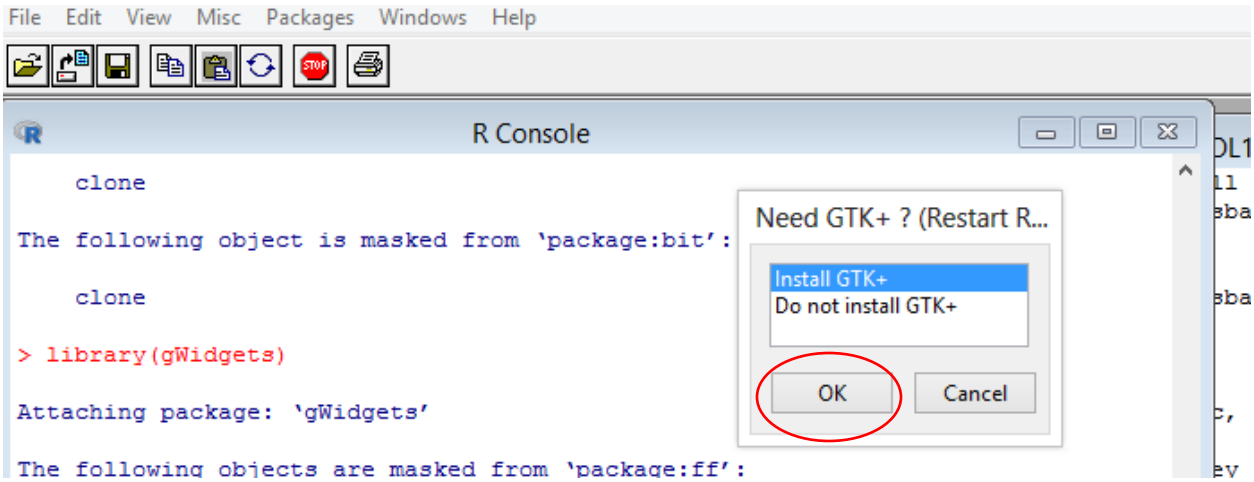


2. In the pop-out window with our script in it, select all and hit the button “Run line or selection”.

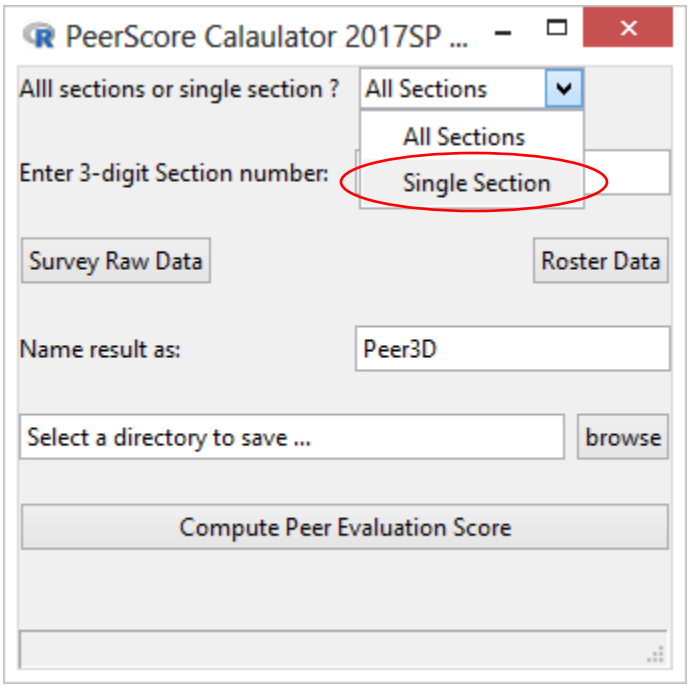


3. If this is the first time you run the script on your computer, then it will check some nesessary packages that do not come with basic R installation. It will download some packages automatically. And you may see some pop-out window to ask you to install some package or component, just go with the default and choose “Install”. It may take several minutes. After all packages are installed and loaded, you will see the GUI app in anoter pop-out window.

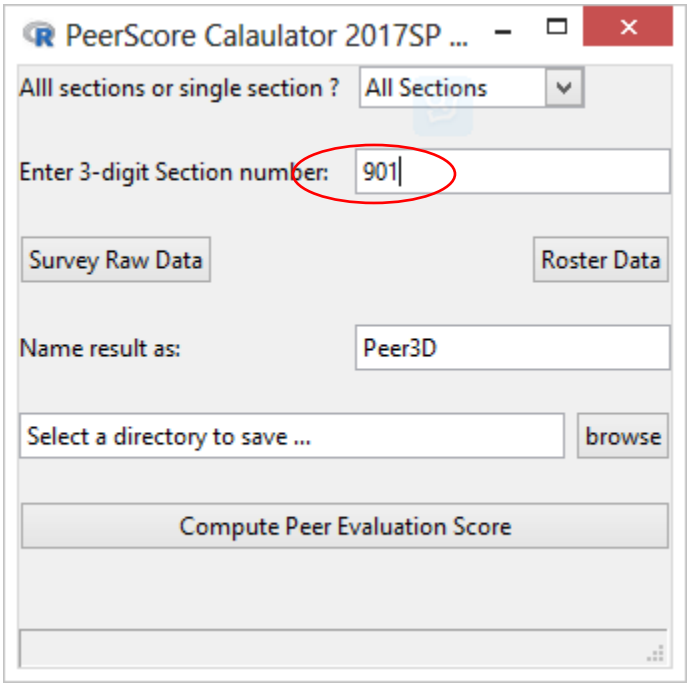




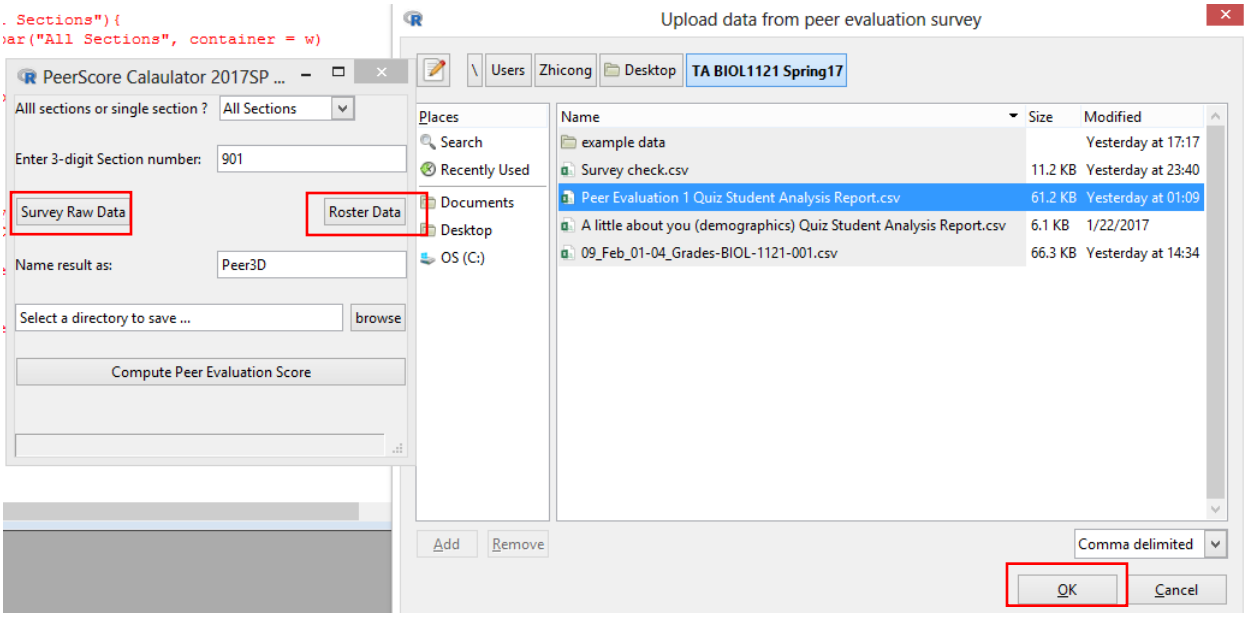
4. For single section calculation, click on the dropdown menu and select “Single Section”.

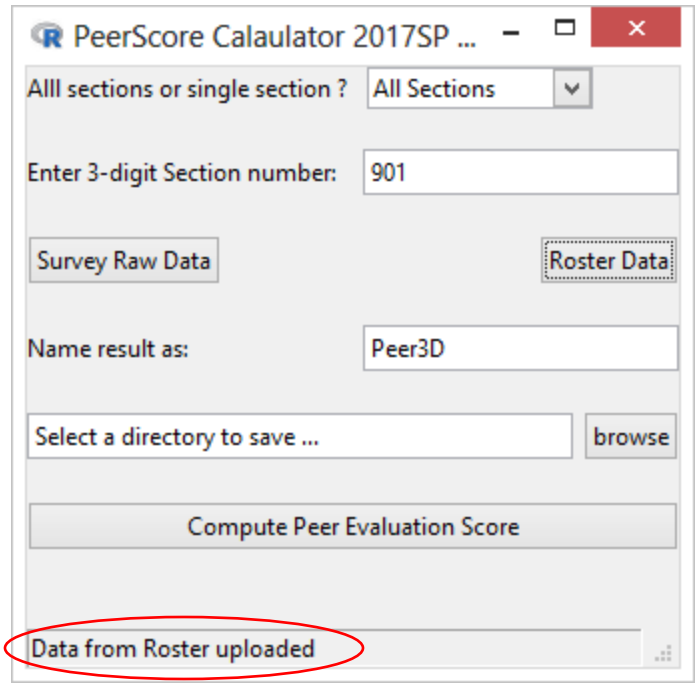


5. Enter the 3-digit section number. 3 digits please, no more and no less.

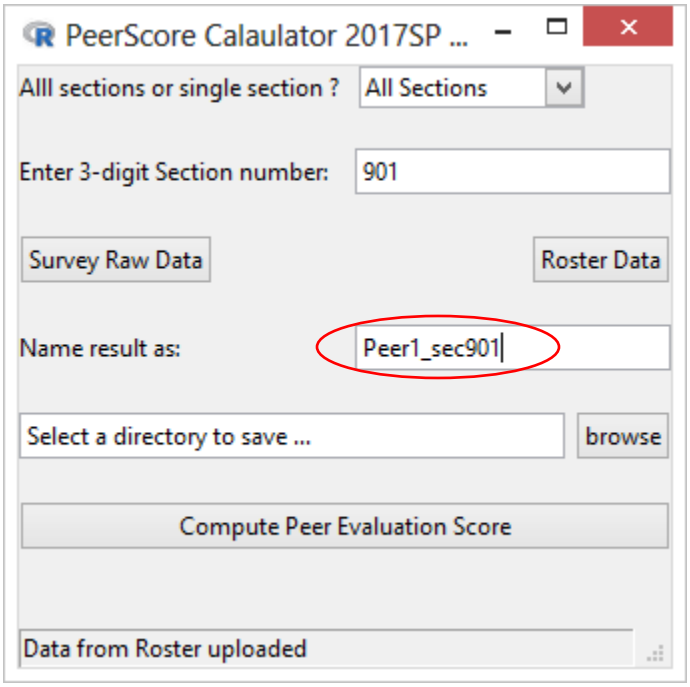


6. Upload raw data files by clicking the circled buttons. It will pop out a file browser. Just find the right directory where you save the data sets and click on “open”. And after both data sets are successfully uploaded, you will see “Data from Survey / Roster uploaded.” on the status bar at the bottom. If it fails to upload the file, you will see “Cannot upload”. Please notice only csv file is acceptable.

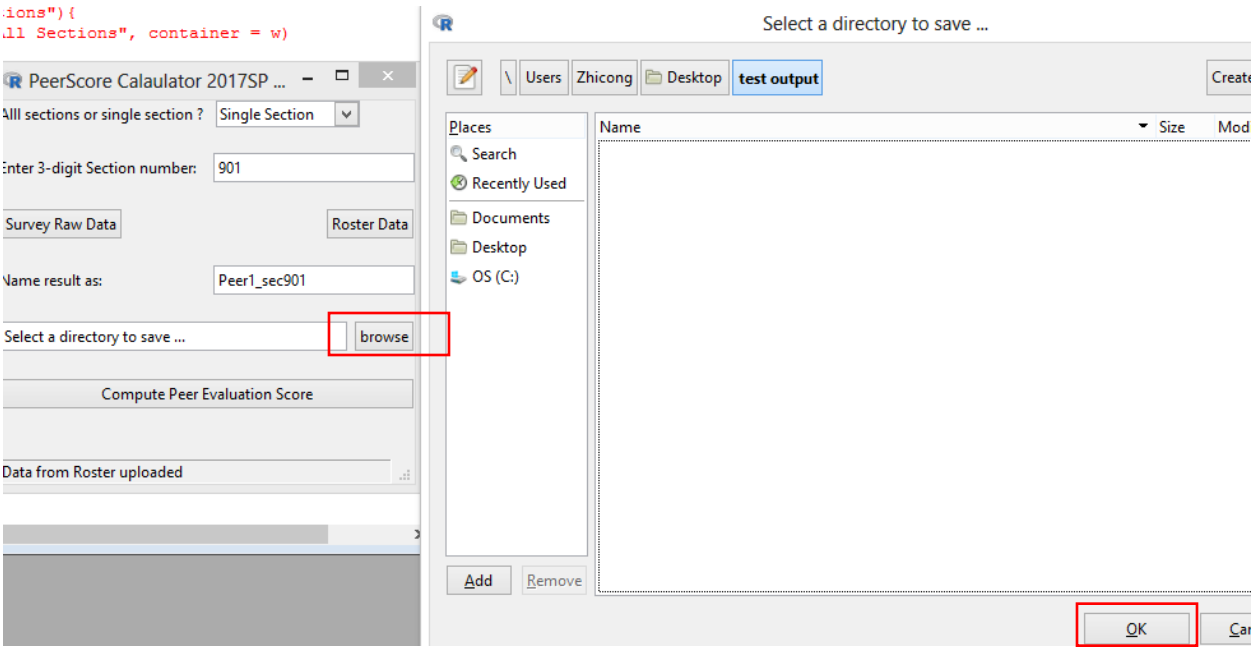




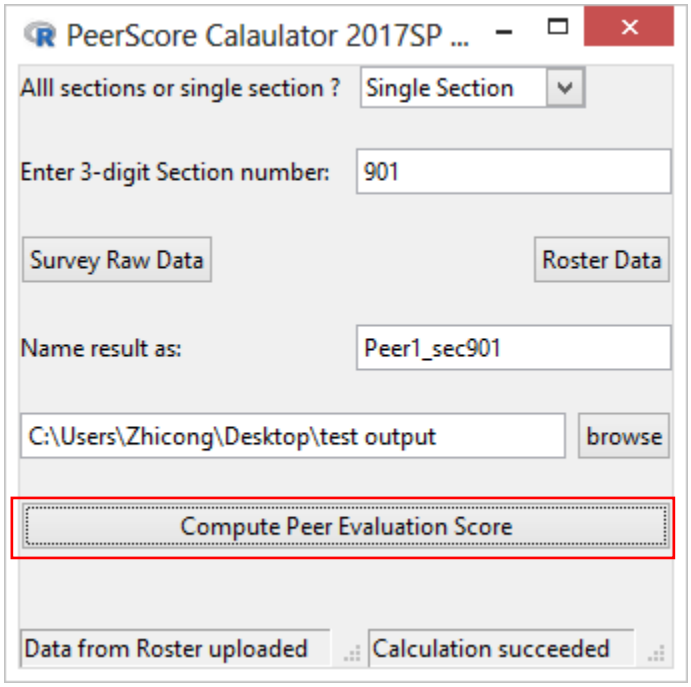
7. Set the name of your output files.



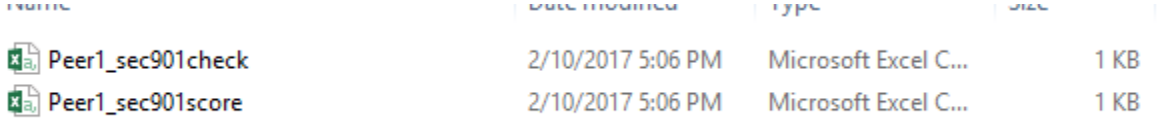
8. Set the directory in which you want to save your output files.



9. Hit the button of “Compute Peer Evaluation Score” and let’s rock and roll! If everything goes well, you will see “Calculation succeeded” at the bottom right, otherwise it displays “ Cannot calculate”



10. Go to the directory you specified and check the output. There will be two csv files, one named as whatever name you specified plus score.csv, another on is the name plus check.csv. The score table is the one contains calculated peer evaluation score of each student. And the check table is the one that provides extra info. on how many inputs are identified as match to each student. If the app recognizes more than 3 evaluators for a single student, then there is probably a mismatch. You may want to go over the survey of group members of that person again and correct the error if possible.



Name	Date modified	Type	Size
Peer1_sec901check	2/10/2017 5:06 PM	Microsoft Excel C...	1 KB
Peer1_sec901score	2/10/2017 5:06 PM	Microsoft Excel C...	1 KB

	Name	Section	PeerScore
1	Airam Trevino	BIOL-1121-901	10
2	Anushka Tandon	BIOL-1121-901	10
3	Austin Tran	BIOL-1121-901	10
4	Caroline Pritchett	BIOL-1121-901	11
5	Colt Bennett	BIOL-1121-901	10

	Name	Number of evaluat	Section	More than 3 evaluator
1	Airam Trevino	4	BIOL-1121-901	1
2	Anushka Tandon	1	BIOL-1121-901	0
3	Austin Tran	1	BIOL-1121-901	0
4	Caroline Pritchet	1	BIOL-1121-901	0
5	Colt Bennett	1	BIOL-1121-901	0
6	Jacob Buchanan	1	BIOL-1121-901	0

The biggest challenge here is to match the name inputs of students to the names on class roster. I have seen misspelling, nicknames and missing family/first names. The app can handle the first two quite well. But missing a family/first name will cause a much shorter input string compared with the precise name on the roster, and increase the possibility of mismatch a lot. So I actually have the program eliminated all inputs missing a family/first name before calculation.

Please emphasize again to your students (even they are something already stated in the survey.)

Please input the name of your teammates as accurate as you can with both first and last names.

If you don't have the 3rd teammates, just leave it blank and do not type anything there. Avoid inputs like "no 3rd teammates", "Not applicable", "Nobody Smith (I do not have a 3rd group member)" etc.

I haven't got a chance to test it on a Mac. But I suppose it should work as well as it does on a PC. Please let me know if you run into any unexcepted bugs or errors (very possible) while running the script or if you have any thoughts on improving the script.