

## Case Study 1

*for January 29*

A University administrator in one of the professional schools is studying student self-assessment to see if it is an acceptable way to demonstrate that students have obtained mastered certain skills and knowledge. If so, faculty would not to assign grades for these aspects of the curriculum.

She has collected both student self-assessment and faculty assessment for 60 students. Each student was assessed in four categories, on an A–F scale (5 levels), making for eight data points for each student, four from the self-assessment and four from their professor. Student participation was optional, but approximately 75% of the students participated. There were six faculty members that did the assessment; each assessed ten different students. The administrator wants to know if the student self-assessments are accurate, using the faculty assessment as a true measure of student skill and knowledge.

What do you think about this study? Do you see any problems with it that might make it difficult for her to reach the conclusion she wants to reach? What questions would you like to ask to get more information? Brainstorm possible ways of displaying and analyzing the data. Consider simple methods as well as sophisticated ones. Describe one or two of your ideas in your presentation.

Here are the groups that will work together on this case. The first student on each list will present the group’s findings and should also organize group meetings. The groups should get together in the coming week and figure out answers to the questions. The presenter will have 12 minutes of class time to say what the team thought about the problem. Computer presentations in pdf format should be emailed to arendahl-at-stat.umn.edu ahead of time or brought to class on a thumb drive so only one computer needs to be connected to the projector.

Group 1:		Group 2:		Group 3:	
Name	Email	Name	Email	Name	Email
Danning Li	lixx0700	Gang Cheng	chen2285	Jing Yang	yang1387
Qing Mai	maixx034	Ka Young Park	parkx748	Cindy Houser	house109
Pamela Sweeney	swee0003	Shu Ding	dingx099	Craig Rolling	roll0204
David Zepeda	zepe0003	Shanshan Ding	dingx056	Teng Zhang	zhang620
Eric Graalum	graal002	Ying Lu	luxxx255	John Zobel	zobe0025
Changqing Ye	yexxx058	Heng Zhang	zhang440	Yi Wang	wangx857
Wei Qian	qianx029	Yi Yang	yang1138	Chun Pu Song	songx183
		Andy Wang	wang1074		

Students with a “bye” week are: Xiao Zhong, Ran Song, Lingzhou Xue.