Effective Use of "Student Evaluation of Teaching" Data

PHIL GRANIERO AND LAURA WINER INTERNATIONAL FORUM ON TEACHING EVALUATION MAY 2, 2017

A rose by any other name...

Student Evaluation of Teaching (SET) General Course Evaluation Students' Evaluation of Education Quality (SEEQ) Student End-of-Course Evaluation

SRI: Student Rating of Instruction (SRI)

SRI = SET = CE = SEEQ = ...



Who are we? Why us?



That's Phil



Getting to Know Each Other



What are your

- 'wish lists'
- questions
- challenges

with SET data?

Dias from content getting feedback later (the PHA moment) response rates - now to increase effective + responsible use of data what data are collected? linking to learning outcomes different roles-instructor, repriting, system designers use of aggregate us individual data

Aligning Questions, Data, and Goals





This approach raises different questions

How has my teaching changed over time? Are my strengths and weaknesses the same in every course? What anomalies are there in my scores? Why? Do my students respond better to me in some courses than in others? What is the profile of what I've taught over time? Are there other influences that should be documented?

Effective Use of SET Data

- Use by whom? Instructor Tenure Committee Students Department Head Department Council
- Use for what? Feedback / Communication Reflection / Practice Tenure/Promotion Workload Assignment Curriculum Development

Alignment with Institutional Goals

What questions people ask changes what they do. Provision & reporting influences the kind of questions they ask.

People read a LOT into what you provide & report. It drives what they think is important to you. Regardless of whether it is what you actually think or not.

What are your SET goals?

What are you trying to get out of SETs?

What are you trying to use the scores for?

What are you trying to learn?

What questions are you trying to answer?

What decisions/actions are you trying to enable?

Understanding SET Scores

What <i>are</i> the numbers we	e're	looking	at?
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	-	-	3	4	5	6	7
	Extremely	Very Poor	Poor	Adequate	Good	Very	Out-
orvenusur	Poor					Good	Standing
	1	2	3	4	5		
🐨 McGill	Strongly	Disagree	Neutral	Agree	Strongly		
	Disagree				Agree		
Do you	r respon	ise sca	les lo	ok som	ething	g like	this?









Useful Noise....

SET captures the variety of experience in your classroom. The **distribution** is <u>very</u> informative.

Averages try to smooth out 'background noise'. Averages try to condense and summarize, which *is* helpful.

But with SET scores, they *also* remove a lot of the message. Make sure you can also look at the noise.



Report Formatting Matters

REPORT #1			1	Universit	y of Wind	sor		J	anuary 12, 20	013	
		J	Please di	stribute t	o approp	riate instr	uctors			F	Here's what
Student Evaluation	on of Instructo	rs by Co	urse/section	n taught					Fall	2012	vour report
Course: 9900101	Section: 01			Enrolli	ment:41	Courses:	1 (all cou	rses)			yourreport
Instructor: CARVI	EY, D.	Forms	Scanned:28	8(=68% of en	rollment)						might look
A. Questions abou	t the Instructor	r									
Question			#	of Response	s to Scale Rat	ing					like.
	1	2	3	4	5	6	Z	NA	No.	Avg.	
Al	0	3	1	3	13	7	1	0	28	4.8	
A2	2	1	3	2	8	7	4	0	27	4.9	
A3	1	0	2	1	8	10	6	0	28	5.5	
A4	1	0	0	1	6	13	7	0	28	5.8	
A5	0	0	0	0	6	9	12	0	27	6.2	
A6	0	0	2	2	8	11	5	0	28	5.5	
A7	0	0	0	2	6	10	10	0	28	6.0	
A8	0	0	0	0	5	9	13	1	27	6.3	
A9	0	0	0	0	8	10	6	4	24	5.9	
A10	0	0	0	0	8	13	6	0	27	5.9	
A11	0	0	0	0	8	9	9	0	26	6.0	
A12	0	1	3	0	7	10	5	0	26	5.4	
							w	eighted Avera	ge Instructor	Score 5.7	



...but let's make it prettier anyways. Out-Extremely Very Good Standing Instructor related questions: Mean Poor Very Poor Poor Adequate Good presented material in an organized, well-planned manner 4.8 13 7 1 1 2. was approachable for additional help 5.9 8 13 6 3. was accessible to students for individual consultation (in office ours, after class, open-door, by e-mail,phone) 6 8 9 9 4. The overall effectiveness of the instructor was 5.4 7 10 5 3 5. used instructional time well 4.9 3 8 7 4 6. explained content clearly with appropriate use of examples 5.5 2 8 10 6 7. was a clear and effective speaker 5.8 6 13 7 8. communicated enthusiasm and interest in the course material 6.2 6 9 12 9. stimulated your interest in the subject and motivated your 10. attended to students' questions and answered them clearly and effectively 5.5 8 11 5 2 2 6 2 6 10 10 11. was open to students' comments and suggestions 6.3 5 9 13 12. was sensitive to students' difficulties 5.9 8 10 6

What was the variation of experience within the classroom?

			Extremely						Out-
Instructor related questions:	Graph	Mean	Poor	Very Poor	Poor	Adequate	Good	Very Good	Standing
1. presented material in an organized, well-planned manner		4.8		3	1	3	13	7	1
2. was approachable for additional help	ւնել	5.9					8	13	6
was accessible to students for individual consultation (in office hours, after class, open-door, by e-mail,phone)		6					8	9	9
4. The overall effectiveness of the instructor was		5.4		1	3		7	10	5
5. used instructional time well		4.9	2	1	3	2	8	7	4
6. explained content clearly with appropriate use of examples	111	5.5	1		2	1	8	10	6
7. was a clear and effective speaker	1 1	5.8	1			1	6	13	7
8. communicated enthusiasm and interest in the course material	11	6.2					6	9	12
stimulated your interest in the subject and motivated your learning	i le	5.5			2	2	8	11	5
10. attended to students' questions and answered them clearly and effectively	II	6				2	6	10	10
11. was open to students' comments and suggestions	d	6.3					5	9	13
12. was sensitive to students' difficulties	a da	5.9					8	10	6

					,					. /	
			Please di	stribute t	o approp	riate instr	uctors			YO	u can see
Student Evaluation	on of Instructo	ors by Co	urse/sectio	n taught					Fall	2012	
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Instructor: CARVI	EY, D.	Forms	s Scanned:2	8(=68% of en	rollment)						
A. Questions abou	t the Instructo	r								he	re right?
Question			#	of Response	s to Scale Rat	ing				IIC	
Question		2	2	4	e 10 50010 1001	6	7	NA	No	Aug	
Al	0	3	2	4 3	13	7	1	0	28	4.8	
A2	2	1	3	2	8	7	4	0	27	4.9	
A3	1	0	2	1	8	10	6	0	28	5.5	
A4	1	0	0	1	6	13	7	0	28	5.8	
A5	0	0	0	0	6	9	12	0	27	6.2	
A6	0	0	2	2	8	11	5	0	28	5.5	
A7	0	0	0	2	6	10	10	0	28	6.0	
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A9	0	0	0	0	8	10	6	4	24	5.9	
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A11	0	0	0	0	8	9	9	0	26	6.0	
A12	0	1	3	0	7	10	5	0	26	5.4	
							W	eighted Avera	ge Instructor	Score 5.7	

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...and it doesn't have to be complicated. This is an Excel template.

			Extremely						Out-
Instructor related questions:	Graph	Mean	Poor	Very Poor	Poor	Adequate	Good	Very Good	Standing
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5. explained content clearly with appropriate use of examples	111	5.5	1		2	1	8	10	6
7. was a clear and effective speaker	b	5.8	1			1	6	13	7
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IO. attended to students' questions and answered them clearly and iffectively	ill	6				2	6	10	10
1. was open to students' comments and suggestions		6.3					5	9	13
2. was sensitive to students' difficulties	a da	5.9					8	10	6



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SET Data Aren't Just Numbers

An Inquiry-Based Approach

Prof. Ferrell feels strongly that how the students responded to some questions completely contradicts what she believes she is actually doing.

- "I do double the number of office hours compared to anyone in my department, I stay after class, but they keep saying I'm not accessible. It was never a problem in the past, but for the past couple of years I'm getting hammered."
- "I have all kinds of charts for them that outline the course and timeline, I give them planning guides for the midterm and the final, and I give them the PowerPoint slides and other prep material well in advance. It's find in some of my courses, but in the others I get slammed on organization every year."

Where is the disconnect? Written comments help a lot!!!

Comments Analysis Worksheet								
Comment Category	Sample Positive Student Comments	Total +	Sample Negative Student Comments	Total -	Personal notes			
Overall								
(Course or								
Instructor)								
Clarity &								
Difficulty								
Organization								
& Structure								
Interest								
Teaching Strategies								
Assessment & Feedback								
Outside of Classroom Communication								
Personal Traits								
Physical Environment								

SET for Departments

Live Demo!



Ideas Check-In

What new questions do you have?

What new possibilities do you see?

Condensed Wisdom

Key Lesson Learned

The main problems that need solving are *human* in nature, not technical.

The inevitable, on-going challenge of engagement in autonomous, decentralized academic cultures.



Wisdom Theme #2

The sooner the data don't look like numbers, the better.

When our prototypes focused on numerical representations, we got nowhere. When our prototypes focused on reports, we made little progress.

When our prototypes focused on graphical representations, we made huge leaps forward. When our prototypes focused on data interaction, we made huge leaps forward.



Institutional change is hard: interests are always at odds among different levels and different stakeholders.

Imposed change generally fails to gain traction. People need to see they have something to gain before buying in.

Grassroots change is engaged, but difficult to scale up.

Usually, the tools that evolve successfully are the ones that every stakeholder group at every level finds ways to use them to further their interests.

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Thank you kindly.

If you have questions later, are seeking friendly advice, or wish to have a chat:

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International Forum on Teaching Evaluation Windsor-Oakland International Teaching & Learning Conference http://ctl2.uwindsor.ca/tclconf/