Disaggregating SLOs

How to use SLO reports in Program Review

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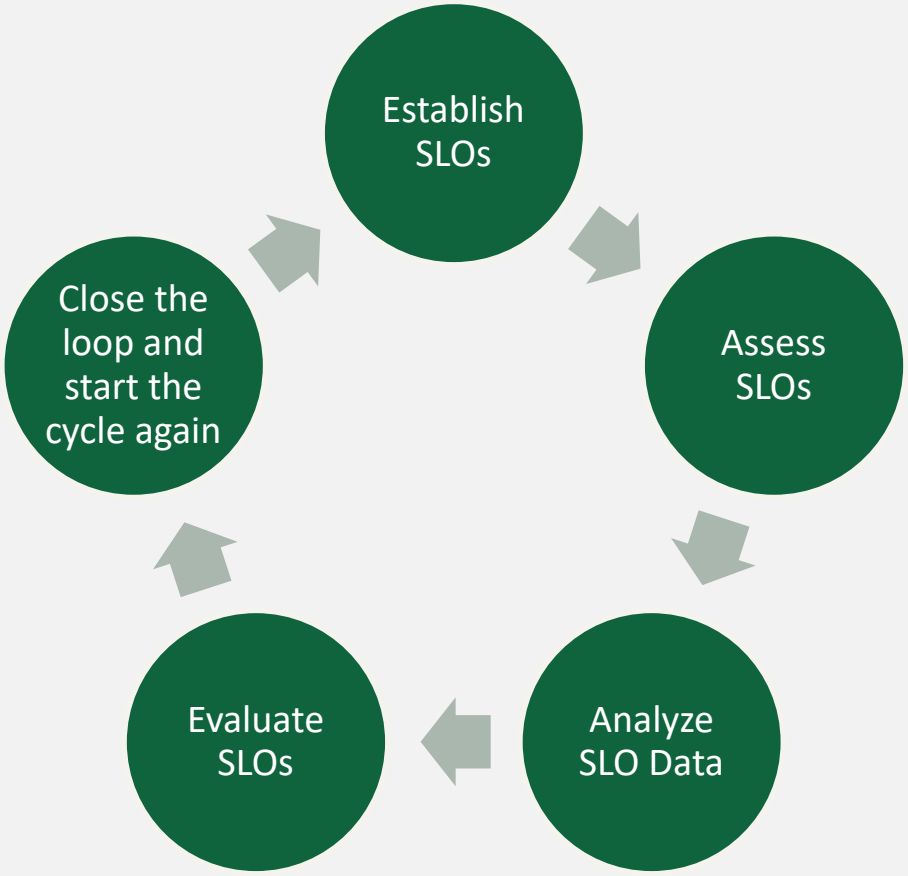
SPRING 2020

Workshop Outcomes

By the end of this workshop, you will be able to:

- Recognize the ACCJC's accreditation standards that relate to SLO disaggregation
- Identify the disaggregation options that work best for your department
- Retrieve SLO data from the Cloud
- Apply Excel formulas to your SLO data

Assessing SLOs



SBVC OUTCOMES HANDBOOK

What's the point?

- Accreditation Standards
- Program Review
- Improve the quality of:
  - the SLO assessment process
  - our teaching and courses
  - Success rates, especially for underrepresented populations
- Meaningful reflection

ASCCC.ORG, RESOLUTION SP15 2.01; RESPONSE

Big-Picture

www.website.com

Accreditation Standards

STANDARD I.B.5. (INSTITUTIONAL EFFECTIVENESS)

"The institution assesses accomplishment of its mission through program review and evaluation of goals and objectives, student learning outcomes, and student achievement. Quantitative and qualitative data are *disaggregated* for analysis by program type and mode of delivery."

ACCJC.ORG, ACCREDITATION STANDARDS, P. 2

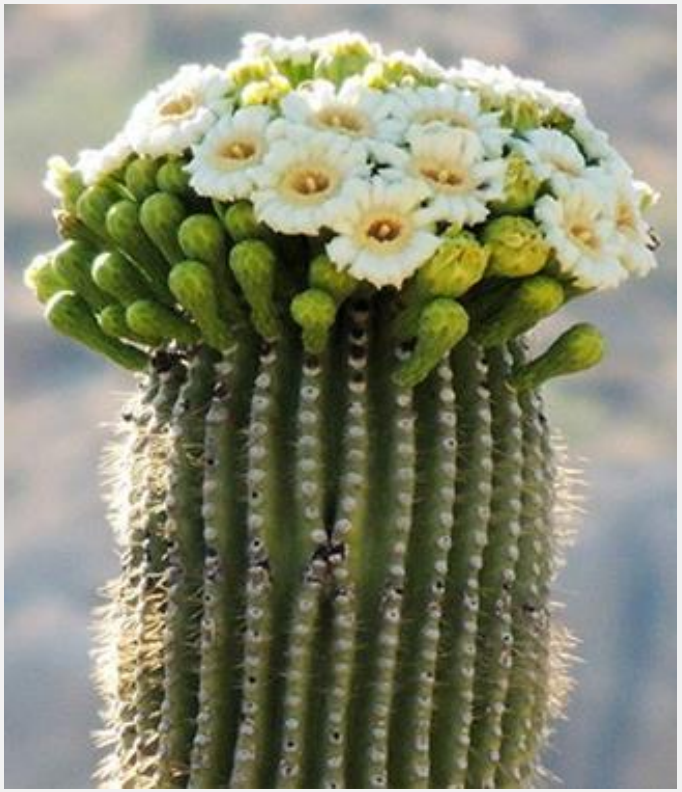
Accreditation Standards

STANDARD I.B.6. (INSTITUTIONAL EFFECTIVENESS)

"The institution *disaggregates* and *analyzes* learning outcomes and achievement for subpopulations of students. When the institution identifies performance gaps, it implements strategies, which may include allocation or reallocation of human, fiscal and other resources, to mitigate those gaps and evaluates the efficacy of those strategies."

ACCJC.ORG, ACCREDITATION STANDARDS, P. 2

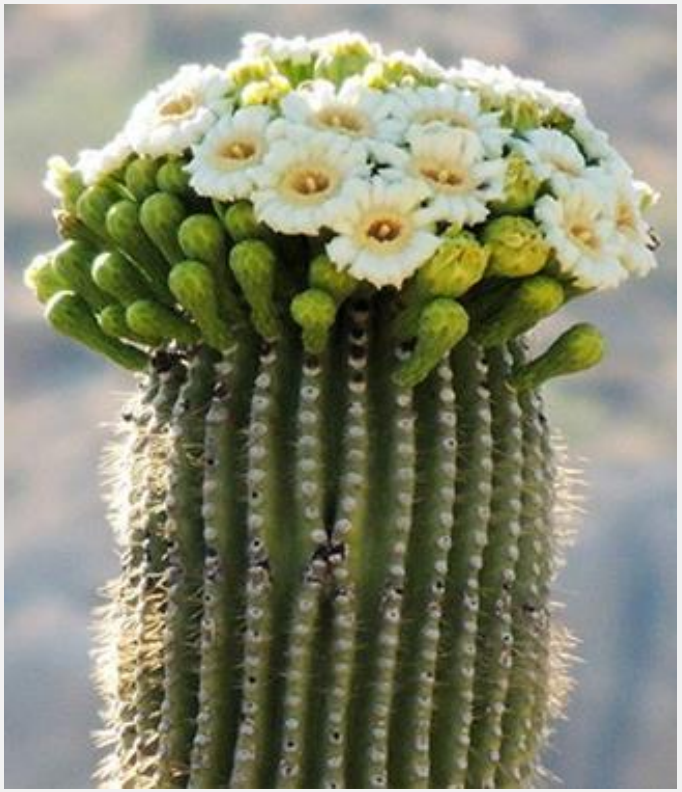
ASCCC Resolution



- There was a resolution expressing concern over how to meet the Standard relating to disaggregation of data.
  - How do we make it meaningful?
- ASCCC will "facilitate a conversation in the field…regarding the disaggregation of learning outcomes data, the extent to which such disaggregation is feasible to yield meaningful data and the means by which colleges can meet or exceed the requirements of accreditation Standard I.B.6"

ASCCC.ORG, RESOLUTION SP15 2.01; PRESENTATION TO ASCCC

ASCCC Recommendation



- Recommendation 2: "In order to meet the standards, the team strongly recommends the College systematically utilize student learning outcome assessment results to improve the achievement of stated student learning outcomes, and to inform integrated planning decisions, including resource allocation and improvements across the college."

ASCCC.ORG, RESOLUTION SP15 2.01; PRESENTATION TO ASCCC

What do we need to do?

"Colleges are required to analyze SLO data for disproportionate impact among subpopulations and make program changes according to the results."

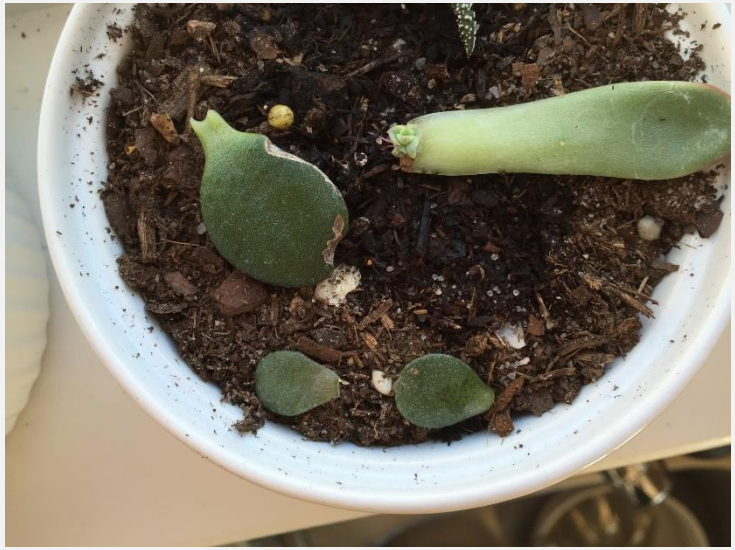
ASCCC.ORG, THE GENIE IN THE BOTTLE: DISAGGREGATION OF STUDENT LEARNING OUTCOMES DATA

We should assess because:

- Aggregated data leaves struggling subpopulations unrecognized and on their own in terms of improving success rates.
- Disaggregation informs and provides data support for changes in how programs are implemented in order to support all students.

ASCCC.ORG, THE GENIE IN THE BOTTLE: DISAGGREGATION OF STUDENT LEARNING OUTCOMES DATA

It's okay to have concerns



Common apprehensions for disaggregating SLO data:

- Student privacy
- Infrequently or rarely offered courses
  - Leading to student identification
  - Small sample sizes
- Collecting campus data
- Workload

ASCCC.ORG, THE GENIE IN THE BOTTLE: DISAGGREGATION OF STUDENT LEARNING OUTCOMES DATA

Long-Term Goals

STANDARD I.C.3. (INSTITUTIONAL INTEGRITY)

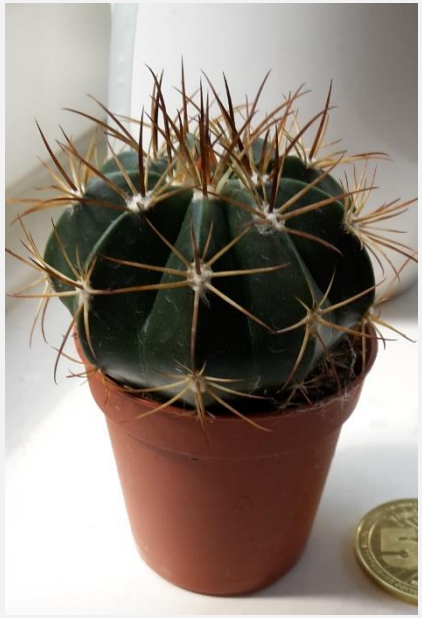
"The institution uses *documented assessment* of student learning and *evaluation* of student achievement to communicate matters of academic quality to appropriate constituencies, including current and prospective students and the public. (ER 19)."

ACCJC.ORG, ACCREDITATION STANDARDS, P. 3

First Steps

Disaggregation Suggestions

- Begin disaggregation data conversations slowly and in measured steps.
- Pick a few courses in your program.
- Review less controversial data attributes:
    - Day vs. evening
    - Online vs. face-to-face
    - 18-week vs. short-term
    - Learning communities
    - Dual enrollment or concurrent enrollment
    - Level of course
    - Non-credit vs. credit



ASCCC.ORG, THE GENIE IN THE BOTTLE: DISAGGREGATION OF STUDENT LEARNING OUTCOMES DATA

Future Steps

- Outcomes and their disaggregation are here to stay.
- As a college we should start thinking about how we want to look at disaggregation.
  - How much data do we need to make a meaningful conclusion?
    - Do we have to disaggregate data for every section of every course? Could we use a smaller sampling?
  - What's the impact on academic freedom?
  - What about student privacy?
  - How will faculty be protected?
  - Can disaggregated data really lead to improving student learning?

ASCCC.ORG, THE GENIE IN THE BOTTLE: DISAGGREGATION OF STUDENT LEARNING OUTCOMES DATA

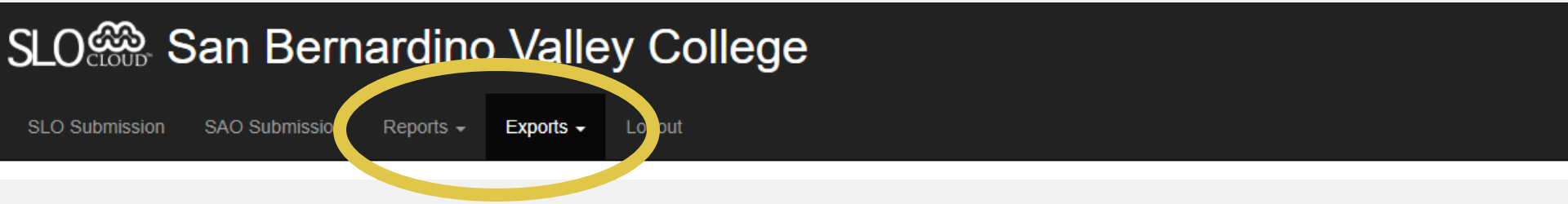
How to use Outcomes assessment

- Treat it as research to improve teaching strategies and program/course curriculum alignment.
- Colleges are defining subpopulations of interest in ways that provide locally meaningful data for program improvement.
- Begin conversations with Research and IT to develop infrastructure for demographic-focused, data disaggregation.
- Align assessment data with funding sources, such as Equity.

ASCCC.ORG, CONTINUING THE CONVERSATION: DISAGGREGATION OF STUDENT LEARNING OUTCOMES (SLO) ASSESSMENTS

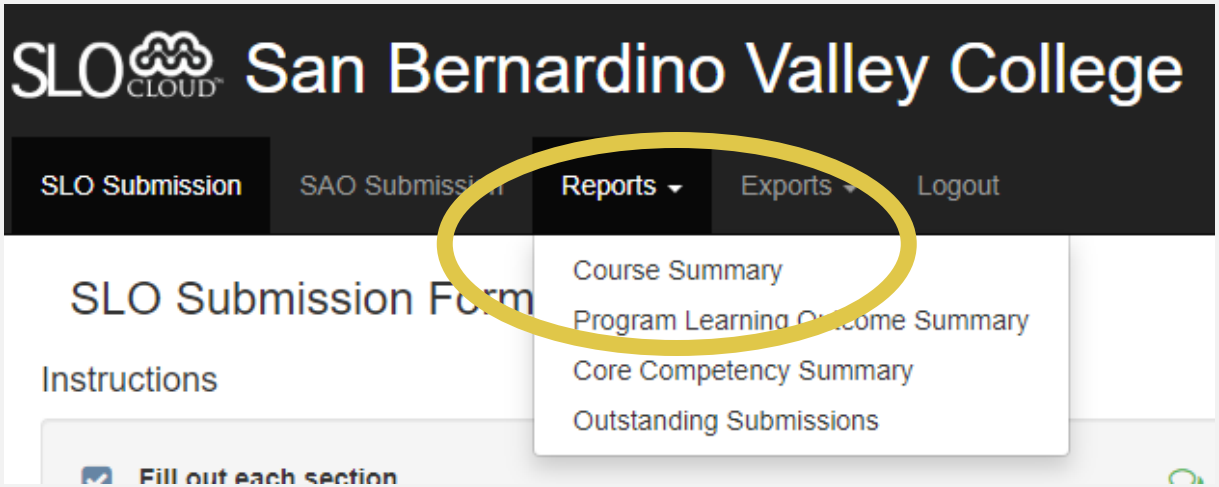
Accessing your Outcomes

1. Log onto the SLO Cloud
2. There are two ways to get the data:
    a. Reports: Broad overview of one course's SLO assessment data, disaggregated by SLO.
    b. Exports: Larger quantity of data spanning all courses and all SLOs.



Reports

1. Locate the "Reports" tab near the top.
2. Select Course Summary.
3. Enter desired course information.



Report Data

SLO CLOUD San Bernardino Valley College

SLO Submission | SAO Submission | Reports | Exports | Logout

Course Summary Report

Year 2018 - 2019 **Period** Last 3 Years

Division Mathematics, Business & Compu **Dept** MATH **Course** MATH-095

Tools

Course SLOs

Note: Course SLO Summary Evaluation Form is available.

#	SLO Statement	# of Students Assessed	# of Students who Met SLO	% of Students who Met SLO
1	Students will demonstrate the ability to solve real-world problems involving quadratic equations.	3948	1787	45.26%
2	Students will demonstrate the ability to simplify radical expressions and solve equations containing radicals.	4020	2399	59.68%
3	Students will demonstrate the ability to solve systems of linear equations and inequalities.	4040	2871	71.06%
4	Students will demonstrate mastery of function concepts and operations.	4004	2320	57.94%

1 Assessment Methods & Criteria

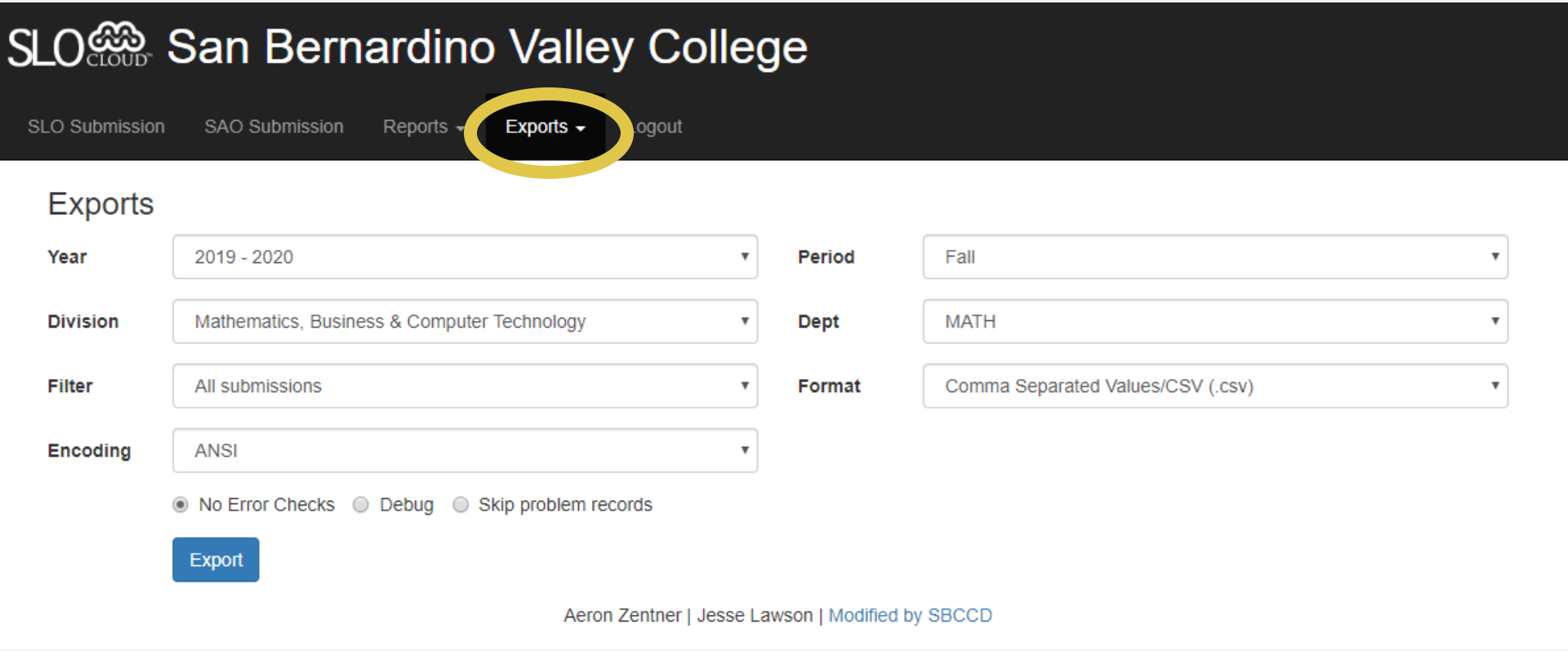
52 Reflection(s)

183 Section(s) Reporting

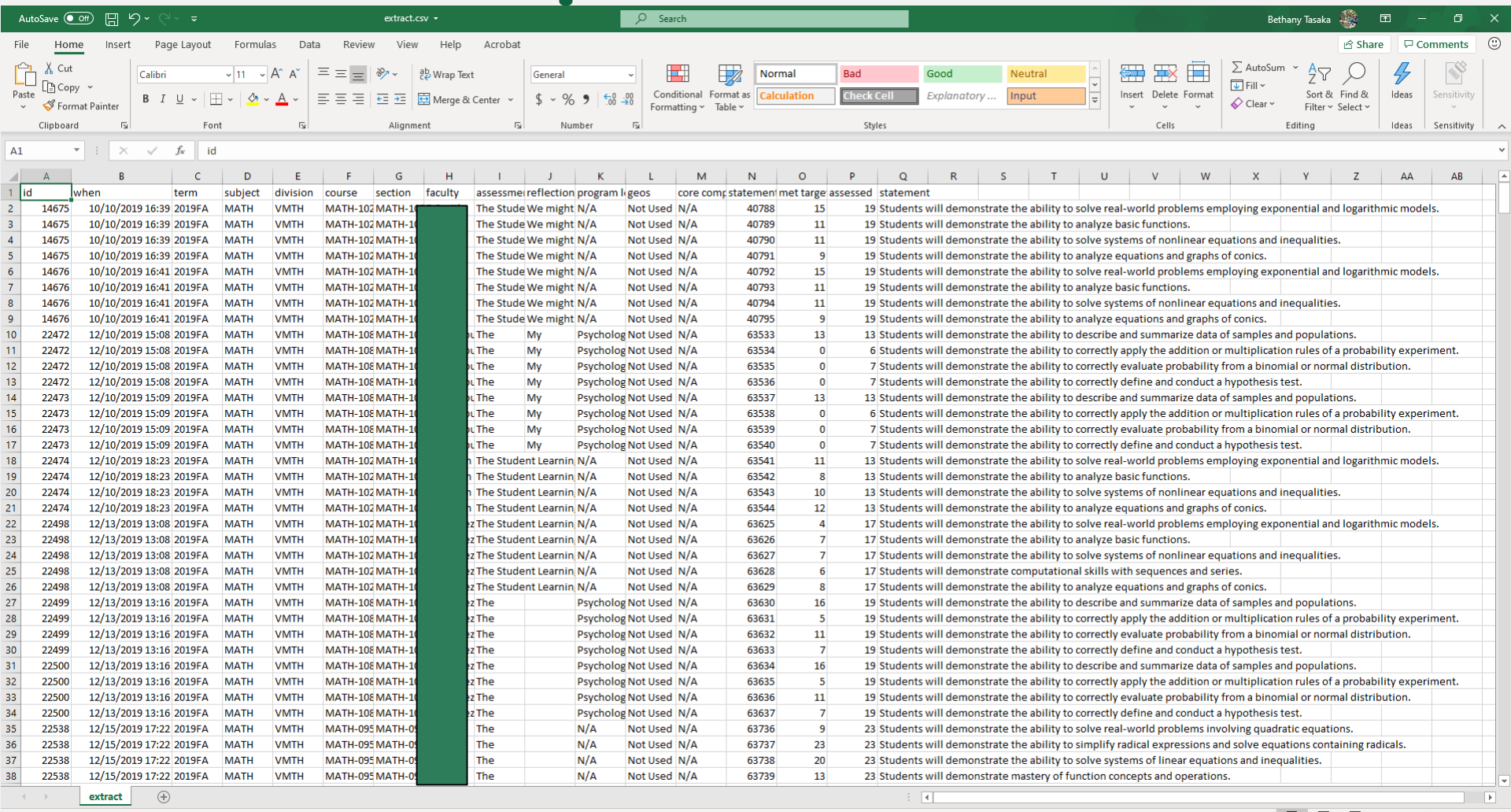
86 Section(s) Not Reporting

Exports

1. Locate the "Exports" tab near the top.
2. Enter desired course information.



Exported Data



AutoSave Off | extract.csv | Search | Bethany Tasaka

File Home Insert Page Layout Formulas Data Review View Help Acrobat | Share | Comments

Paste | Cut | Copy | Format Painter | Calibri 11 | Wrap Text | Merge & Center | General | Conditional Formatting | Format as Table | Normal | Bad | Good | Neutral | Calculation | Check Cell | Explanatory ... | Input | Insert | Delete | Format | AutoSum | Fill | Clear | Sort & Filter | Find & Select | Ideas | Sensitivity

Clipboard | Font | Alignment | Number | Styles | Cells | Editing | Ideas | Sensitivity

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	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB
1	id	when	term	subject	division	course	section	faculty	assessme	reflection	program l	geos	core comp	statemen	met targe	assessed	statement											
2	14675	10/10/2019 16:39	2019FA	MATH	VMTH	MATH-102	MATH-1		The Stude	We might	N/A	Not Used	N/A	40788	15	19	Students will demonstrate the ability to solve real-world problems employing exponential and logarithmic models.											
3	14675	10/10/2019 16:39	2019FA	MATH	VMTH	MATH-102	MATH-1		The Stude	We might	N/A	Not Used	N/A	40789	11	19	Students will demonstrate the ability to analyze basic functions.											
4	14675	10/10/2019 16:39	2019FA	MATH	VMTH	MATH-102	MATH-1		The Stude	We might	N/A	Not Used	N/A	40790	11	19	Students will demonstrate the ability to solve systems of nonlinear equations and inequalities.											
5	14675	10/10/2019 16:39	2019FA	MATH	VMTH	MATH-102	MATH-1		The Stude	We might	N/A	Not Used	N/A	40791	9	19	Students will demonstrate the ability to analyze equations and graphs of conics.											
6	14676	10/10/2019 16:41	2019FA	MATH	VMTH	MATH-102	MATH-1		The Stude	We might	N/A	Not Used	N/A	40792	15	19	Students will demonstrate the ability to solve real-world problems employing exponential and logarithmic models.											
7	14676	10/10/2019 16:41	2019FA	MATH	VMTH	MATH-102	MATH-1		The Stude	We might	N/A	Not Used	N/A	40793	11	19	Students will demonstrate the ability to analyze basic functions.											
8	14676	10/10/2019 16:41	2019FA	MATH	VMTH	MATH-102	MATH-1		The Stude	We might	N/A	Not Used	N/A	40794	11	19	Students will demonstrate the ability to solve systems of nonlinear equations and inequalities.											
9	14676	10/10/2019 16:41	2019FA	MATH	VMTH	MATH-102	MATH-1		The Stude	We might	N/A	Not Used	N/A	40795	9	19	Students will demonstrate the ability to analyze equations and graphs of conics.											
10	22472	12/10/2019 15:08	2019FA	MATH	VMTH	MATH-108	MATH-1		The	My	Psycholog	Not Used	N/A	63533	13	13	Students will demonstrate the ability to describe and summarize data of samples and populations.											
11	22472	12/10/2019 15:08	2019FA	MATH	VMTH	MATH-108	MATH-1		The	My	Psycholog	Not Used	N/A	63534	0	6	Students will demonstrate the ability to correctly apply the addition or multiplication rules of a probability experiment.											
12	22472	12/10/2019 15:08	2019FA	MATH	VMTH	MATH-108	MATH-1		The	My	Psycholog	Not Used	N/A	63535	0	7	Students will demonstrate the ability to correctly evaluate probability from a binomial or normal distribution.											
13	22472	12/10/2019 15:08	2019FA	MATH	VMTH	MATH-108	MATH-1		The	My	Psycholog	Not Used	N/A	63536	0	7	Students will demonstrate the ability to correctly define and conduct a hypothesis test.											
14	22473	12/10/2019 15:09	2019FA	MATH	VMTH	MATH-108	MATH-1		The	My	Psycholog	Not Used	N/A	63537	13	13	Students will demonstrate the ability to describe and summarize data of samples and populations.											
15	22473	12/10/2019 15:09	2019FA	MATH	VMTH	MATH-108	MATH-1		The	My	Psycholog	Not Used	N/A	63538	0	6	Students will demonstrate the ability to correctly apply the addition or multiplication rules of a probability experiment.											
16	22473	12/10/2019 15:09	2019FA	MATH	VMTH	MATH-108	MATH-1		The	My	Psycholog	Not Used	N/A	63539	0	7	Students will demonstrate the ability to correctly evaluate probability from a binomial or normal distribution.											
17	22473	12/10/2019 15:09	2019FA	MATH	VMTH	MATH-108	MATH-1		The	My	Psycholog	Not Used	N/A	63540	0	7	Students will demonstrate the ability to correctly define and conduct a hypothesis test.											
18	22474	12/10/2019 18:23	2019FA	MATH	VMTH	MATH-102	MATH-1		The Student Learnin		N/A	Not Used	N/A	63541	11	13	Students will demonstrate the ability to solve real-world problems employing exponential and logarithmic models.											
19	22474	12/10/2019 18:23	2019FA	MATH	VMTH	MATH-102	MATH-1		The Student Learnin		N/A	Not Used	N/A	63542	8	13	Students will demonstrate the ability to analyze basic functions.											
20	22474	12/10/2019 18:23	2019FA	MATH	VMTH	MATH-102	MATH-1		The Student Learnin		N/A	Not Used	N/A	63543	10	13	Students will demonstrate the ability to solve systems of nonlinear equations and inequalities.											
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22	22498	12/13/2019 13:08	2019FA	MATH	VMTH	MATH-102	MATH-1		The Student Learnin		N/A	Not Used	N/A	63625	4	17	Students will demonstrate the ability to solve real-world problems employing exponential and logarithmic models.											
23	22498	12/13/2019 13:08	2019FA	MATH	VMTH	MATH-102	MATH-1		The Student Learnin		N/A	Not Used	N/A	63626	7	17	Students will demonstrate the ability to analyze basic functions.											
24	22498	12/13/2019 13:08	2019FA	MATH	VMTH	MATH-102	MATH-1		The Student Learnin		N/A	Not Used	N/A	63627	7	17	Students will demonstrate the ability to solve systems of nonlinear equations and inequalities.											
25	22498	12/13/2019 13:08	2019FA	MATH	VMTH	MATH-102	MATH-1		The Student Learnin		N/A	Not Used	N/A	63628	6	17	Students will demonstrate computational skills with sequences and series.											
26	22498	12/13/2019 13:08	2019FA	MATH	VMTH	MATH-102	MATH-1		The Student Learnin		N/A	Not Used	N/A	63629	8	17	Students will demonstrate the ability to analyze equations and graphs of conics.											
27	22499	12/13/2019 13:16	2019FA	MATH	VMTH	MATH-108	MATH-1		The		Psycholog	Not Used	N/A	63630	16	19	Students will demonstrate the ability to describe and summarize data of samples and populations.											
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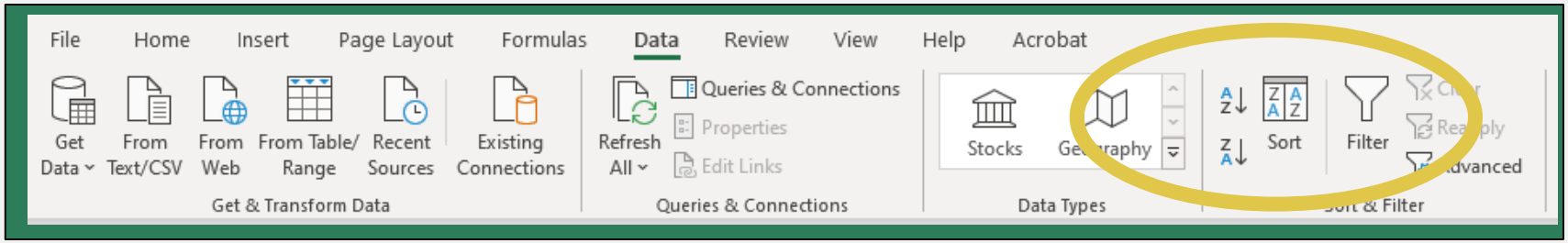
29	22499	12/13/2019 13:16	2019FA	MATH	VMTH	MATH-108	MATH-1		The		Psycholog	Not Used	N/A	63632	11	19	Students will demonstrate the ability to correctly evaluate probability from a binomial or normal distribution.											
30	22499	12/13/2019 13:16	2019FA	MATH	VMTH	MATH-108	MATH-1		The		Psycholog	Not Used	N/A	63633	7	19	Students will demonstrate the ability to correctly define and conduct a hypothesis test.											
31	22500	12/13/2019 13:16	2019FA	MATH	VMTH	MATH-108	MATH-1		The		Psycholog	Not Used	N/A	63634	16	19	Students will demonstrate the ability to describe and summarize data of samples and populations.											
32	22500	12/13/2019 13:16	2019FA	MATH	VMTH	MATH-108	MATH-1		The		Psycholog	Not Used	N/A	63635	5	19	Students will demonstrate the ability to correctly apply the addition or multiplication rules of a probability experiment.											
33	22500	12/13/2019 13:16	2019FA	MATH	VMTH	MATH-108	MATH-1		The		Psycholog	Not Used	N/A	63636	11	19	Students will demonstrate the ability to correctly evaluate probability from a binomial or normal distribution.											
34	22500	12/13/2019 13:16	2019FA	MATH	VMTH	MATH-108	MATH-1		The		Psycholog	Not Used	N/A	63637	7	19	Students will demonstrate the ability to correctly define and conduct a hypothesis test.											
35	22538	12/15/2019 17:22	2019FA	MATH	VMTH	MATH-095	MATH-0		The		N/A	Not Used	N/A	63736	9	23	Students will demonstrate the ability to solve real-world problems involving quadratic equations.											
36	22538	12/15/2019 17:22	2019FA	MATH	VMTH	MATH-095	MATH-0		The		N/A	Not Used	N/A	63737	23	23	Students will demonstrate the ability to simplify radical expressions and solve equations containing radicals.											
37	22538	12/15/2019 17:22	2019FA	MATH	VMTH	MATH-095	MATH-0		The		N/A	Not Used	N/A	63738	20	23	Students will demonstrate the ability to solve systems of linear equations and inequalities.											
38	22538	12/15/2019 17:22	2019FA	MATH	VMTH	MATH-095	MATH-0		The		N/A	Not Used	N/A	63739	13	23	Students will demonstrate mastery of function concepts and operations.											

extract

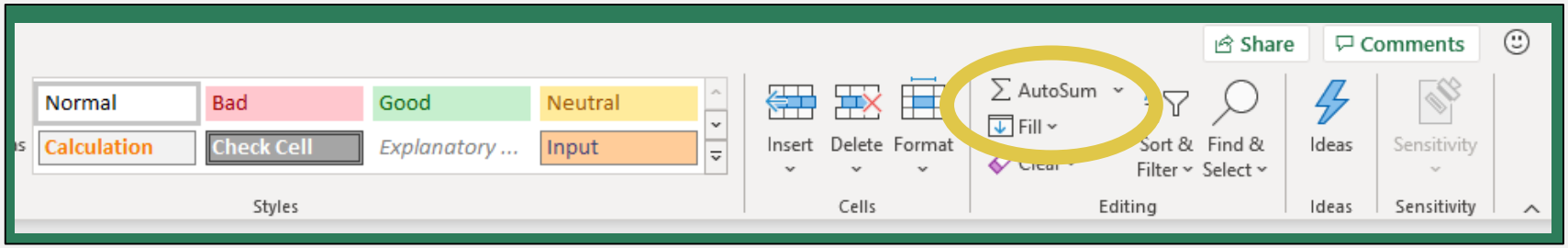
100%

Useful Excel Tools

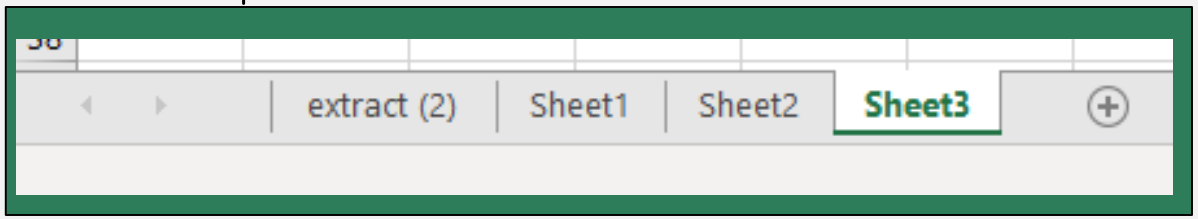
- Utilize the "Sort" and "Filter" tools.



- Use "AutoSum" to quickly add data by row or column.



- Use multiple sheets



questions?