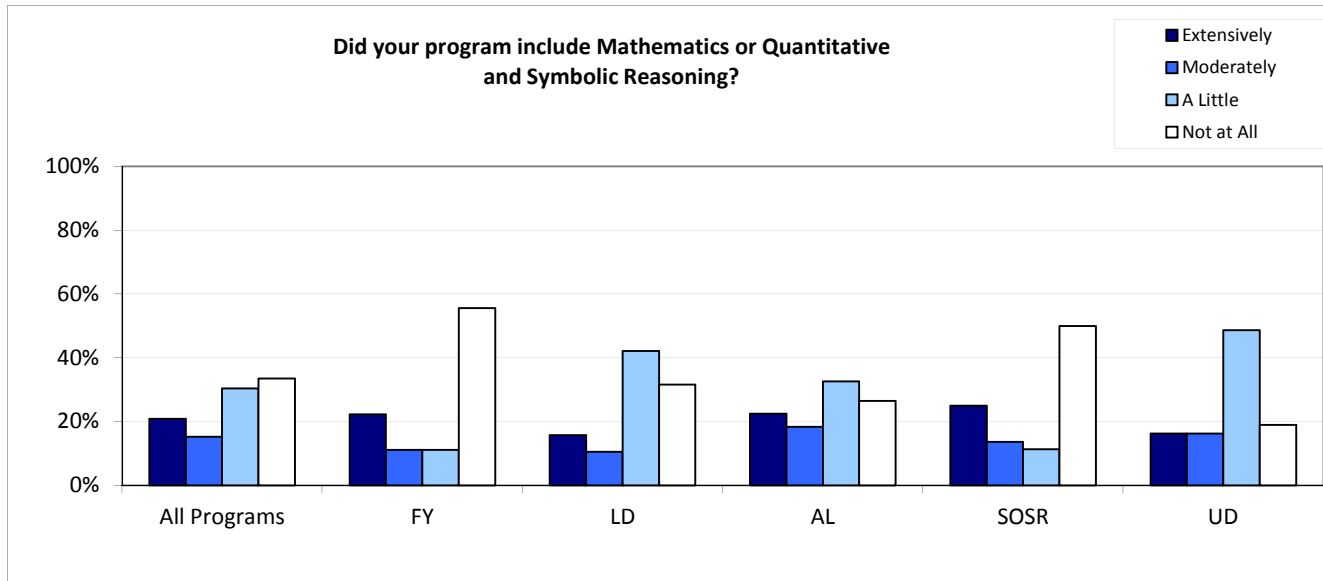


End-of-Program Review 2016-17

Mathematics or Quantitative and Symbolic Reasoning (QSR) in all programs

The presence of Mathematics or Quantitative and Symbolic Reasoning (QSR) in programs offered in 2016-17 increased from 56 % in the previous year to 67%. The most common fields of Mathematics or QSR taught in programs that included that division were: Data interpretation (57%), Data Analysis (51%), Symbolic Reasoning (47%), and Statistics (35%).

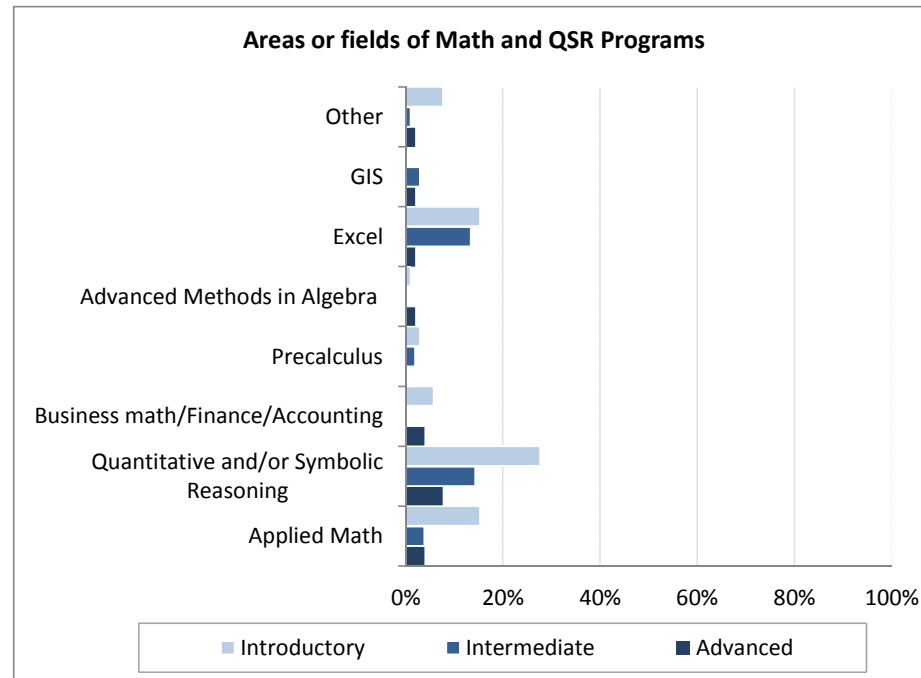
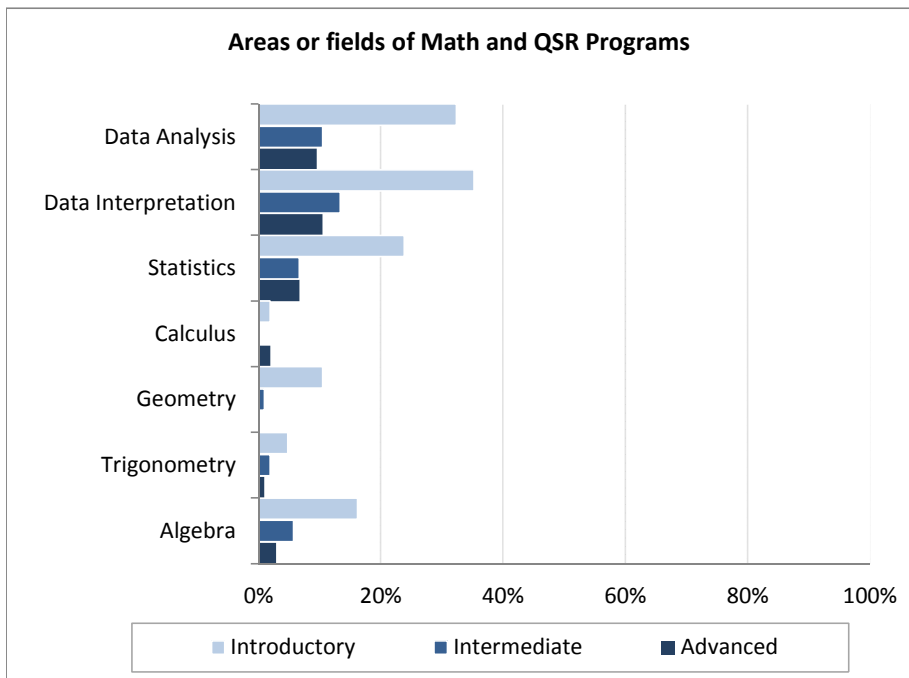


	Extensively	Moderately	A Little	Not at All	Percent of Programs with any Math or QSR	Programs with any Math or QSR (N)	Programs responded (N)
All Programs	20.9%	15.2%	30.4%	33.5%	66.5%	105	158
First-year (FY only)	22.2%	11.1%	11.1%	55.6%	44.4%	4	9
Lower Division (LD) FY-SO	15.8%	10.5%	42.1%	31.6%	68.4%	13	19
All Level (AL) FR-SR	22.4%	18.4%	32.7%	26.5%	73.5%	36	49
Sophomore-Senior (SOSR)	25.0%	13.6%	11.4%	50.0%	50.0%	22	44
Upper Division (UD) JR-SR	16.2%	16.2%	48.6%	18.9%	81.1%	30	37

Level at which the following areas or fields of Math or QSR were taught in programs that included Math or QSR.

(NB: The percent does not add to 100% because a field can be taught at different levels in a program)

	Introductory	Intermediate	Advanced	% prog. that taught field of Math
Algebra	16%	6%	3%	23%
Trigonometry	5%	2%	1%	8%
Geometry	10%	1%	0%	11%
Calculus	2%	0%	2%	4%
Statistics	24%	7%	7%	35%
Data Interpretation	35%	13%	10%	57%
Data Analysis	32%	10%	10%	51%
Applied Math	15%	4%	4%	23%
Quantitative and/or Symbolic	28%	14%	8%	47%
Business math/Finance/Accounting	6%	0%	4%	10%
Precalculus	3%	2%	0%	5%
Advanced Methods in Algebra	1%	0%	2%	3%
Excel	15%	13%	2%	30%
GIS	0%	3%	2%	5%
Other	8%	1%	2%	10%



Explanation of Other:

Tutor

Systematics, using Mesquite (open-source software)

Modular Arithmetic

Media production involves practical quantitative reasoning in terms of scheduling, coordinating steps in the work flow, managing time based media and temporal progressions.

Mathematica

I am not sure of all of the components of Math included as Rachel Hastings was in charge of that component of the program. I am providing a best guess.

Epidemology

Drawing to scale - in plan and section

Discrete Mathematics

Architecture scale
