EVERY STUDENT COUNTS: Using Data to Promote Student Success

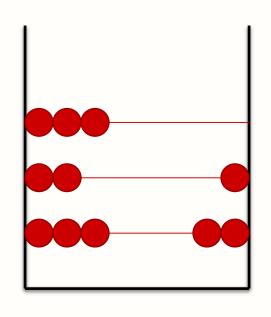
Michelle Appel
Presentation to Taiwan AIR, November 2017







COUNT - 多重定義



數學運算

Mathematical operation



具有重要、顯著意義 Important, meaningful

USING DATA FOR STUDENT SUCCESS

- 識別
- •理解
- •分析
- •交流
- •適用

- Identify key data sets
- Understand context
- Analyze data
- Communicate results
- Apply to policy

A CASE STUDY

Student Success – Degree Completion Policy

IDENTIFY KEY DATA



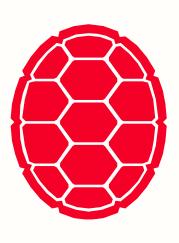


nces.ed.gov/ipeds

Mandated Reporting



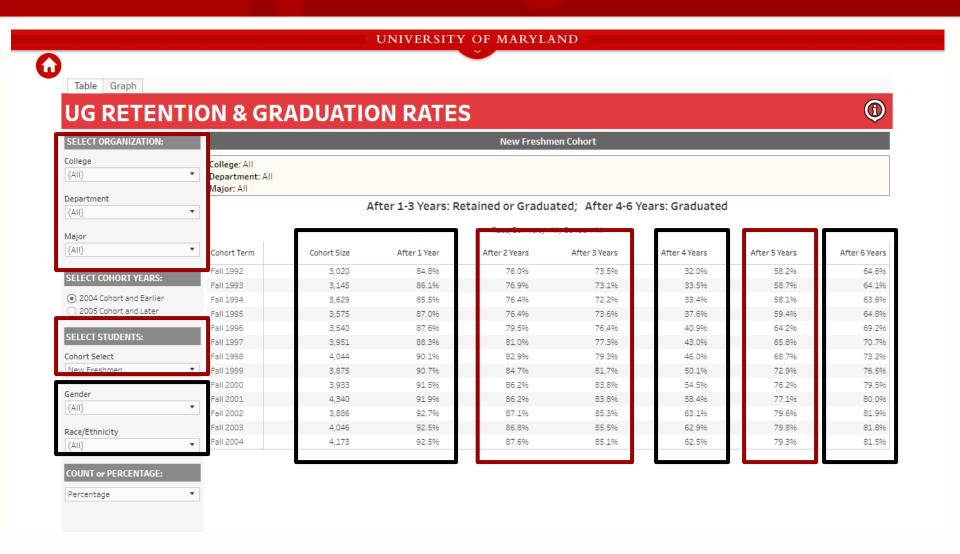
Survey Data



Institutional Data

KEY DATA - STUDENT SUCCESS

www.reports.umd.edu



KEY DATA - STUDENT SUCCESS

www.reports.umd.edu

UNIVERSITY OF MARYLAND

Table Graph **UG RETENTION & GRADUATION RATES** SELECT ORGANIZATION: **New Freshmen Cohort** College College: All (AII) Department: All Major: All Department After 1-3 Years: Retained or Graduated: After 4-6 Years: Graduated (AII) • Race/Ethnicity: All: Gender: All Major (AII) Cohort Term Cohort Size After 1 Year After 2 Years After 3 Years After 4 Years After 5 Years After 6 Years Fall 1992 3.020 84.8% 76.0% 73.5% 32.0% 58.2% 64.696 SELECT COHORT YEARS: Fall 1993 3,145 86.1% 76.9% 73.1% 33.5% 58.7% 64.196 2004 Cohort and Earlier Fall 1994 3,629 85.5% 76.4% 72.2% 33.4% 58.1% 63.696 2005 Cohort and Later 3,575 76.4% 73.6% 59.4% 64.8% Fall 1995 87.0% 37.6% 3.540 87.6% 79.5% 76.4% 40.9% 64.296 Fall 1996 69.2% SELECT STUDENTS: Fall 1997 3 951 88.3% 81 096 77.3% 43 096 65.896 70.7% Cohort Select 4 044 New Freshmen Fall 1999 3.875 90.7% 84.796 81.7% 50.196 72.9% 76.5% Fall 2000 3,933 91.5% 86.2% 83.8% 54.5% 76.2% 79.5% Gender Fall 2001 4.340 91.9% 86.2% 83.8% 58.4% 77.196 80.096 (AII) Fall 2002 3.886 92.7% 87.1% 85.3% 63.1% 79.6% 81.9% Fall 2003 4,046 92.5% 86.8% 85.5% 62.9% 79.8% 81.8% Race/Ethnicity 4,173 79.3% Fall 2004 92.5% 87.6% 85.1% 62.5% 81.5% (AII) COUNT or PERCENTAGE: Percentage

KEY DATA - SURVEY

In the early 2000s at UMD:

90% 72% 69%

54%

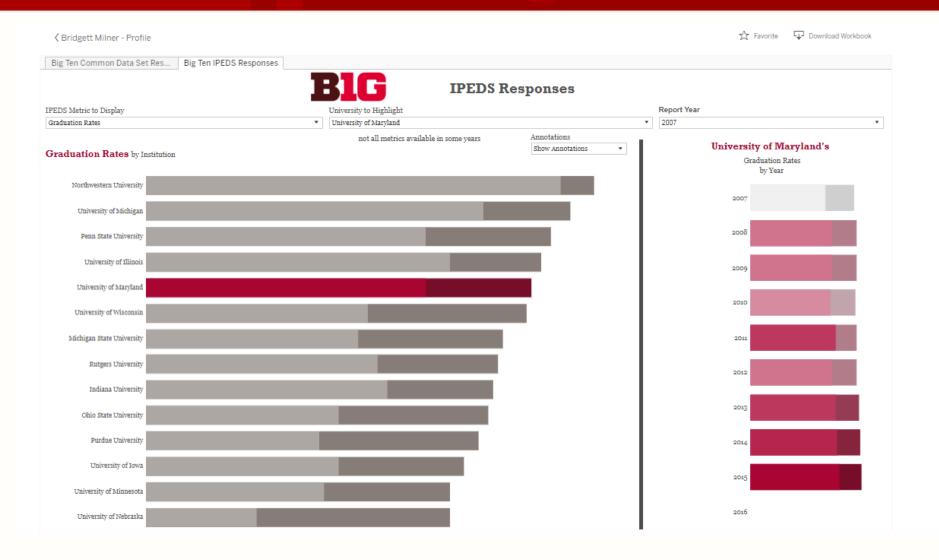
Freshmen expect to graduate in 4 years

Sophomores expect to graduate 4 years from start

Juniors expect to graduate 4 years from start

Actually graduate within 4 years

KEY DATA - PEER COMPARISON



CONTEXT



120/12=10



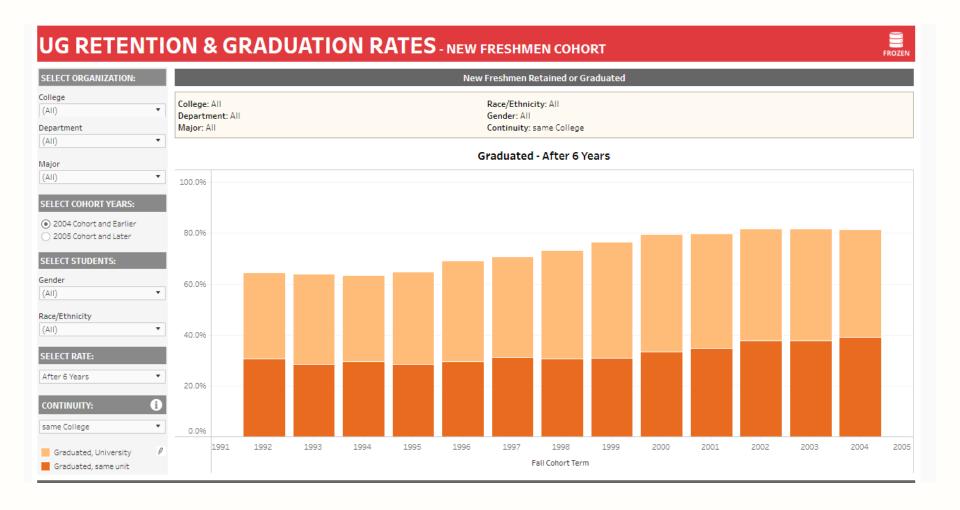




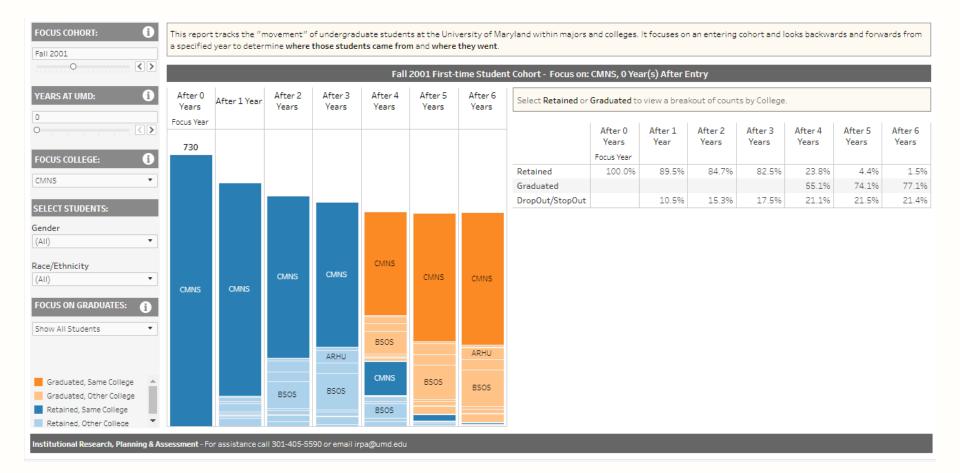
ANALYSIS - DIFFERENCES IN RATES

UNIVERSITY OF MARYLAND Table Graph UG RETENTION & GRADUATION RATES SELECT ORGANIZATION: **New Freshmen Cohort** College College: All (AII) Department: All Major: All Department After 1-3 Years: Retained or Graduated; After 4-6 Years: Graduated • (AII) Race/Ethnicity: All; Gender: All Major (AII) Cohort Term Cohort Size After 1 Year After 2 Years After 3 Years After 4 Years After 5 Years After 6 Years Fall 1992 3.020 84 896 76 096 73 596 32 096 58.2% 64.696 SELECT COHORT YEARS: Fall 1993 86.1% 73.196 64.196 3.145 76.9% 33.5% 58.7% () 2004 Cohort and Earlier Fall 1994 3,629 85.5% 76.496 72.296 58.1% 63.6% 2005 Cohort and Later Fall 1995 3,575 87.0% 76.496 73.6% 37.6% 59.4% 64.8% Fall 1996 3,540 87.6% 79.5% 76.496 40.996 64.2% 69.2% SELECT STUDENTS: Fall 1997 3.951 88.3% 81.096 77.3% 43.096 65.8% 70.796 Cohort Select Fall 1998 4.044 90.1% 82.9% 79.3% 46.096 73.2% New Freshmen Fall 1999 3,875 90.7% 84.7% 81.796 50.196 72.9% 76.5% Fall 2000 3.933 91.5% 86.2% 83.8% 54.5% 76.2% 79.5% Gender Fall 2001 4.340 91.9% 86.2% 83.8% 58.496 77.196 80.0% (AII) Fall 2002 3.886 92 796 87 196 85.396 63 196 79 696 81.9% Fall 2003 4,046 92.5% 86.8% 85.5% 62.9% 79.8% 81.8% Race/Ethnicity Fall 2004 4,173 92.5% 87.6% 85.1% 62.5% 79.3% 81.5% (AII) COUNT or PERCENTAGE: Percentage

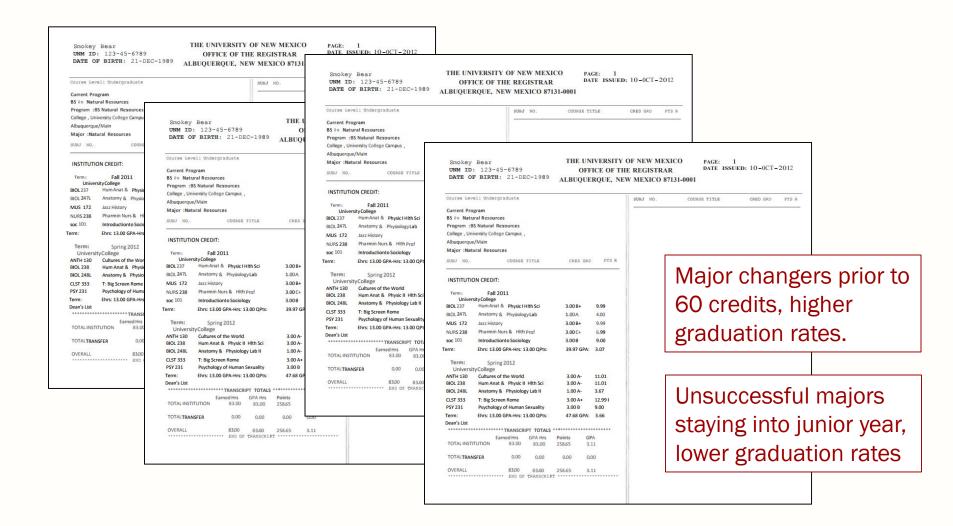
ANALYSIS – GRADUATION IN MAJOR



ANALYSIS - STUDENT MOVERS



ANALYSIS - TRANSCRIPTS



COMMUNICATE FINDINGS

Students need a plan

1% = 40



交流結果 - COMMUNCATION

- 清晰簡練
- •基於事實
- •預測問題
- · 切實可行

- Clear and simple
- Factual
- Anticipates questions
- Actionable

APPLICATION TO POLICY

UNIVERSITY OF MARYLAND OFFICE OF UNDERGRADUATE STUDIES About UGST Calendar Staff Find a Program ▼ About Our Programs Guidelines, Policies, & Forms Giving Student Academic Success — Degree Completion Policy The goal of the Student Academic Success-Degree Completion Policy is to promote undergraduate student success. The policy establishes a structured framework and criteria to guide all students to completion of an undergraduate degree within a reasonable period of time. Full-time degree seeking students normally are expected to complete the undergraduate program in four years (see 4-Year Plans and Benchmarks). Within this timeframe, all students are expected to demonstrate continuing progress in their majors by completing prerequisite or required courses with the appropriate grades, and by completing other requirements consistent with graduation progress or benchmarks established by their academic units (see 2, below). It is ultimately the responsibility of the student to meet these requirements. To help students meet these requirements the University will facilitate student progress to degree by providing enhanced student advising through the following measures: 1. Academic units will create 4-year graduation templates that will specify the degree requirements for each major and provide semesterby-semester course schedule models that achieve graduation within four years. Students will prepare individualized plans for completing their degrees in accordance with the academic units' 4-year graduation plans. Students are also encouraged to periodically update their plans with the assistance of their academic advisors. 2. Academic units will establish graduation progress benchmarks for each academic major. These will specify the credit and course criteria that will indicate satisfactory progress to degree. Academic units will establish schedules for regular periodic reviews of student progress, and students who are in danger of falling behind the program benchmarks will be required to consult with an advisor prior to

4 Year Plans:

Program templates

Benchmarks

Benchmark Reviews

Students remain responsible for their success, but are given tools to guide them.

http://www.ugst.umd.edu/academicsuccess.html

and enrolling in a suitable alternative major.

3. Students who do not achieve the progress expectations or benchmarks will be permitted to continue in the major only upon the approval of the dean of their college. If it becomes necessary for students to change majors, they will be given assistance in identifying

NEW PRACTICES ON CAMPUS



Welcome, class of 2021!

Four Year Plans for Academic Maj College of Arts and Humanities

American Studies

Arabic Studies

Art History

Studio Art

Studio Art-Advanced Specialization

Studio Art-Graphic Design

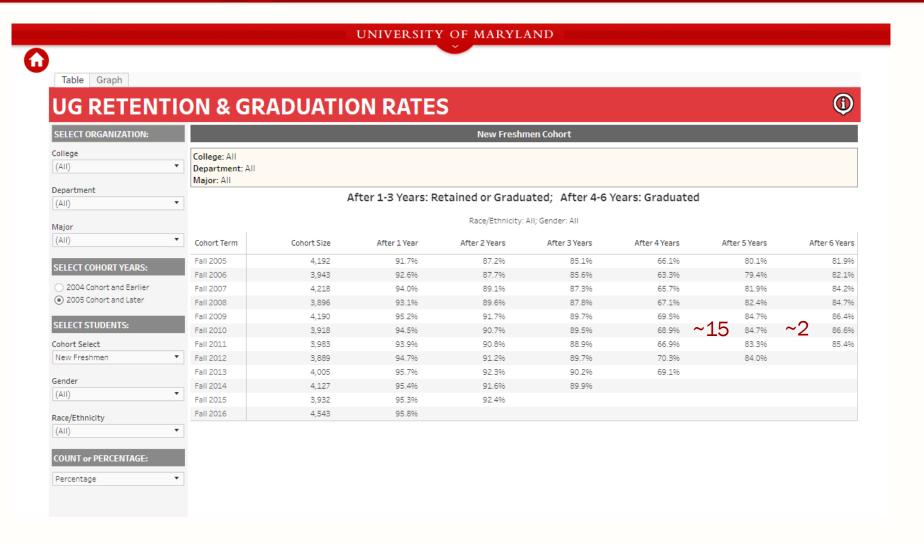
Central European, Russian and Eurasian Studies

Chinese

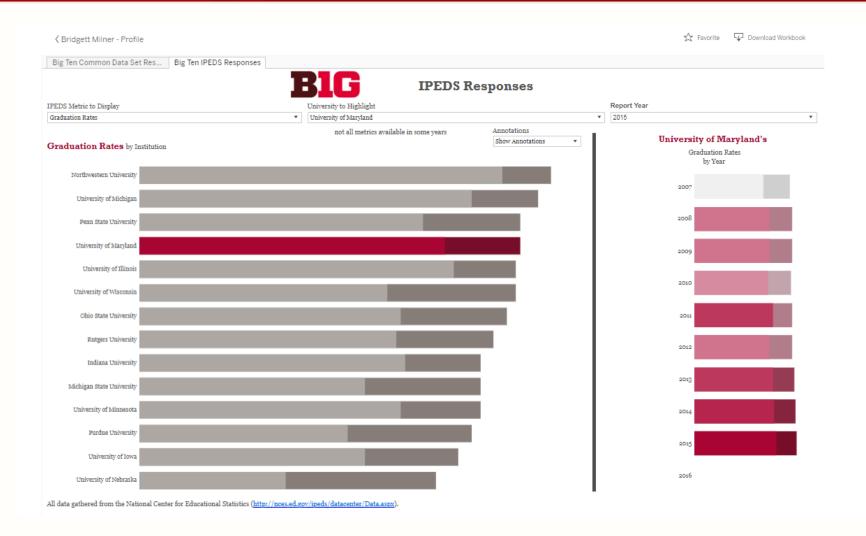
American Studies Four Year Academic Plan

Year 1	Fall	Spring
Benchmark 1 Requirements		
Americanist list 1xx-2xx	ENGL 101 (AW)*	Natural Sciences (NS)**
AMST 101	Math (MA)*	Analytic Reasoning (AR)
Must be completed by the end of two	History/Social Sciences (HS)**	Elective 1xx-4xx
semesters	ARHU 158	Elective 1xx-4xx
	AMST 101 (HU & UP)	Americanist list 1xx-2xx
	*Must attempt by 30 cr.	
Year 2		
Benchmark 2 Requirements		
Americanist list 1xx-2xx	Oral Communication (OC)	Scholarship in Practice (SP) #1 non-major**
AMST 2xx	Humanities (HU)**	Elective 1xx-4xx
Must be completed by the end of four	Elective 1xx-4xx	Elective 1xx-4xx
semesters	Global Engagement #1	Global Engagement #2
	AMST 2xx	Americanist list 1xx-2xx
Year 3		
Benchmark 3 Requirements		
AMST 3xx-4xx	Natural Science Lab (NL)**	History/Social Sciences (HS)**
AMST 3xx-4xx	Elective 1xx-4xx	Professional Writing (PW)

STUDENT SUCCESS RESULTS



STUDENT SUCCESS RESULTS



PUTTING DATA INTO ACTION

What might be next steps for Taiwan AIR members?

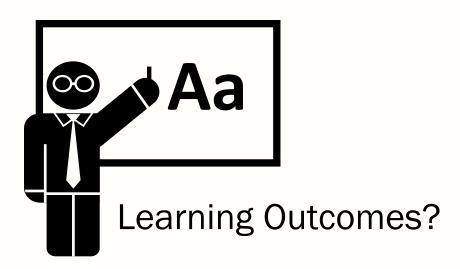
WHAT IS STUDENT SUCCESS?





Diversity?

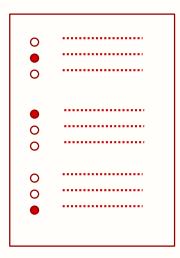




WHERE CAN YOU FIND DATA?



National Data?



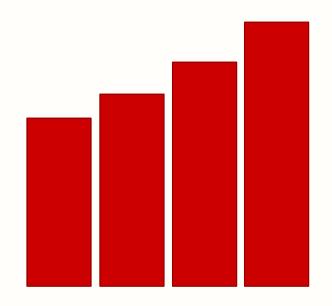
Survey Data





挑戰 - A CHALLENGE TO YOU

你的數據如何產生影響?



How will your data make a difference?

QUESTIONS AND COMMENTS

mappel@umd.edu