# How to Excel II

AAMC advisor webinar August 2024

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## Agenda

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- Our data workflows
- The data we collect
- The visualizations we create
- Sharing data: Who, what, where, and when



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### Recap

- Introduce the reports available in the AAMC Advisor Information System (AIS)
- Show how we use institutional data alongside the AIS Roster of Applicants data
- Offer examples of data visualizations to learn things about your applicants via charts and Pivot Tables



## Data collection google form @ info session

	PA Applicant Info	
	Session	
	2025 entering class	
ection 1 of 4		
	s for Applicants	×
		-
HPA Canva		_ ×
HPA Canva	X	_ ×

#### Preliminary Applicant Data Oct 2023-Oct 2024

Google Form (Intent to Apply)

Advisee Roster (PeopleSoft download)

- Name
- Email
- Profession(s) applying for

Class Year

• Major & Minor(s)

# Add new applicants + more fields to Applicant Database 2023-2024

- Intended Matriculation Year
- Applicant Status
- Path (CL, EA, Other)
- "Not ours" info
- Adviser
- AAMC ID
- Degree(s) sought (apps submitted)
- Outreach date
- Last updated date

Microsoft Access Database

but this could easily be a spreadsheet!

#### Applicant Database

ApplicantStatus	- Path -	NoCLDetails 🗸	Degree Sou +	Class' -	Last Update -	Outreach -	Earliest II -	Earliest Acc 👻	Previous App 👻	Inter -
Accepted - No CL	OTH	17 COM, PB via Harvard (indiv	MD	2017	6/15/2023	7/23/2024		5/13/2024		NA
Accepted - No CL	OTH	20 PSY, Penn PB (CL)	MD	2020	1/8/2024	7/23/2024	1/5/2024	4/4/2024		NA
Accepted	CL		MD	2022	3/12/2024	7/23/2024	10/10/2023	12/2/2023		KFC
Accepted	CL		MD	2023	3/11/2024	7/23/2024	8/10/2023	10/16/2023		SD
Accepted	CL		MD	2024	3/4/2024	7/23/2024	10/11/2023	2/26/2024		KFC
Accepted Reapplicant	CL		MD	2022	12/21/2023	7/23/2024	8/9/2023	10/20/2023	2022 (WL)	SH
Accepted	CL		DDS	2021	5/2/2024	7/23/2024	9/13/2023	12/15/2023		KFC



## AIS available for cohort once their AMCAS opens

Gain access to AIS through the <u>AAMC Prehealth</u> <u>Advisors</u>

resource page

students-residents.aamc.org/prehealth-advisors GRE ly Drive 😵 Stuview 🕴 AlS 📵 Calendly 🔞 Canvas @ Princeton 🜔 Dashboard 😵 Zoom 😰 HPA Zoom 😵 Registrar 🛅 linkedin 💈 MSAR 🗖 HPA Application Pe... 📽 Webforms I Princet... 5 Search Q Students & Residents Choosing a Medical Applying to Medical Attending Medical Applying to Training in a Residency or Ouick Career School School Residency Fellowship Links Home / Prehealth Advisors

#### **Prehealth Advisors**

As a prehealth advisor, you have a critical role in guiding your students on their individual paths to medical school. The AAMC provides accurate, reliable resources and tools on medical school admission requirements, financial aid, the application process, and more, to support you in providing the best guidance to your students.

#### How to Get the Most of the Advisor Information System (AIS)

Use AIS to track the performance of your program and run reports on your students' MCAT scores and applicant data.

#### AMCAS<sup>®</sup> Choose Your Medical School Tool for Advisors

The AAMC American Medical College Application Service<sup>®</sup> (AMCAS<sup>®</sup>) created this tool to support medical schools' enrollment management processes and help applicants communicate their intentions about which medical schools they plan to attend. Schools will only be able to access information about their accepted and alternate-list (waitlist) applicants. Applicants should use the tool at the direction of the schools to which they have applied.

Advisor Information System	Þ
AMCAS <sup>®</sup> Letter Writer Application	Þ
Medical School Admission Requirements	•

#### **Prehealth Advisor Support**

The AAMC's prehealth advisor support team offers assistance for the Advisor Information System, AMCAS, MCAT, Medical School Admission Requirements, the Fee Assistance Program, Aspiring Docs, and FIRST.

Monday - Friday, 9 a.m.-5 p.m. ET Closed Wednesday 3-5 p.m. ET

## AIS + You

*EAAMC* 

#### Statement of Confidentiality:

#### AIS Terms of Use:

You agree to protect the confidentiality and security of the information in AIS. Specifically, you agree that you shall not:

- Share personally identifiable examinee or applicant information with a third party, including medical schools;
- Release AIS information, including admissions decisions, to an advisee. The medical schools are the only entities authorized to release admissions actions;
- Provide a list, or any part of a list, of an applicant's designated medical schools and associated actions to a medical school admissions office; or
- Share your unique AAMC username and password with any other individual.

You agree that you have been designated as a health professions advisor for the institution for which you receive AIS access and that all advisor contact information provided to AAMC is up-to-date. Use of information obtained through AIS is restricted as follows:

- You may use information for the purpose of advising applicants to health professions schools.
- You may use de-identified or aggregate information for internal business purposes and for marketing.
- You may not use information for research purposes. (Requests for research data may be made to facts@aamc.org.)

You agree to report to AAMC any known or suspected unauthorized disclosures of AIS information of which you become aware.

AAMC reserves the right to revoke AIS privileges from an advisor and/or the advisor's institution for violation of these Terms of Use. AAMC reserves the right to change these Terms of Use at any time. If you have any concerns or need clarification about the AIS Terms of Use, please contact the AAMC at advisors@aamc.org.

Additional Institution Terms This agreement is in effect until the designated advisor at this Institution no longer requires access to AIS, until the designated advisor has not accessed the system for over one year, or until terminated or modified by AAMC, whichever occurs first. Institution must promptly notify AAMC of any changes to its authorized advisors.

I agree with this statement.

Login via <u>systems.aamc.org/ais2</u>



#### Roster of Applicants = Monitor current cycle

Roster	of A	ppl	icants
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Select Year: 2025 V	O Display on screen	- all records, full view	
Output Selection			
Display on screen - short table view	Download Roster		
O Display on screen - all records, full view	Optional Filters	Standard (Bio)	
O Download Roster	Filter by Applicant C	Schools Attended Actions - 1 row	
Optional Filters  Filter by Applicant Category	Filter by Designated	Actions - multi row Letter Data	
Filter by Designated Medical School			
Filter by Program Type	Filter by Program Ty	pe	
Filter by Action Category	Eiltor by Action Cate	0000	
Filter by Degree Status			
Filter by Fee Assistance Program Award Status			
<ul> <li>Filter by AMCAS Status <u>check all / uncheck all</u></li> <li>Active</li> <li>Hold</li> <li>Processed</li> <li>My Primary Undergraduate School</li> <li>Returned</li> <li>Withdrawn</li> </ul>			

### ROA downloaded roster info

#### Includes

- Current email
- Race/Ethnicity
- "Disadvantaged"/FAP
- Application BCPM, AO, CUM GPAs for UG, PB, GR levels
- MCAT: most recent date, overall score, subsections, percentiles
- Processed date
- # applications, acceptances
- Matriculated school (end of cycle)

#### Does NOT Include

- Primary UG school
- Fully accurate major(s), minor(s)

- Class year
- Reapplicant status
- Multiple MCAT attempts info
- Credit hours
- Committee letter status
- PreVIEW score
- Any applicant who has not provided advisor release of data

#### Roster of Applicants: Roster View

#### Logged in as: Princeton University

Help > Log Out My Account



### Roster of Applicants: Individual Applicant Record

Name					AAMC	D	F	AP Awar	d Gende	r DISA	AD State					
<u></u>									F	N	TX					
Race					1	Ethnicity	1									
White						Hispanic or Latino										
Tribal Affil	iation															
American In	dian or	Alaskan Native	e Tribe: No													
Some Other	Indige	nous Tribe:														
Status			BCPM	GPA E	BCPM HRS	AO GE	A A	OHRS	CUM GP	A C	UM HRS					
CU (incl. UG )	post-bac	c grades)	3	8	38.00		36	.00		12	24.00					
PB																
GR																
Colleges A	ttende	ed		Majors			Degrees			Date						
Princeton U	niversit	У		Molecula	ar Biology		Bachelor	of Arts			05/202					
Letters of	Evalua	ntion/Recomm	nendatio	1												
Primary A	uthor o	or Contact	Insti	tution			Туре		Letter Sta	itus	Letter ID					
Kate F <mark>u</mark> kaw	a-Conn	elly	Princ	eton Uni	versity		Commit	ttee	11204091							
MCAT Sco	res Af	ter January 3	1, 2015													
Test Date	Total	Confidence Band <sup>1</sup>	Percentil Rank of Score <sup>2</sup>	Phys	ical dations of gical		ll Analysis easoning	Bioche	ical and emical ations of Systems	Social Biolog	ical ations of					
			Score	e Percentile Rank of Score <sup>2</sup>	e Score	Percentil Rank of Score <sup>2</sup>	le Score	Percentile Rank of Score <sup>2</sup>	Score	Percentil Rank of Score <sup>2</sup>						
26-AUG-						144.05		1 3 5 5								

Click into a record for at-a-glance information about any applicant

- Colleges attended helps you identify applicants you don't recognize
- Credit hours (HRS) only available here (not in download file)

#### Applicant Tracking List Aug 2024

- Generate after final committee letter applicant is verified
- Merge database + AIS Roster of Applicants (AIS ROA) fields into an excel tracking spreadsheet
- Color code metrics & dates



#### Applicant Tracking Aug 2024 - May 2025

- Add columns & enter data every couple of weeks
  - Current status (no interviews, not yet accepted, wait list, accepted)
  - First interview invitation / First acceptance
  - Interviews as of ...

App Year	Status	Last Name First Name	app process + mcat	letter send	Total Score	CU BCPM GPA	State	PB/GR?	Class Year	years to application	URM	URM / DIS / FAP	Email	adviser	First II
2024	not yet accepted		dental	6-Jul	DAT			none	2023	1 year	N	N		KFC	
2024	not yet accepted		Jun 16 to 30	6-Jul	ų.		NJ	none	2022	2 years	N	Y		KFC	
2024	not yet accepted		Jun 16 to 30	14-Jul		2 <sup>00</sup> 2	IN	none	2022	2 years	N	N		SH	
2024	not yet accepted		Jun 16 to 30	6-Jul	-u-	94	IN	none	2022	2 years	Y	Y		KFC	
2024	not yet accepted		Jun 16 to 30	6-Jul		91	TX	none	2023	1 year	N	Y		KFC	
2024	not yet accepted		Jun 16 to 30	14-Jul			MD	none	2021	3 years	N	Y		KFC	
2024	not yet accepted		Aug	11-Sep	ψ		PA	none	2024	direct entry	N	Y		SD	
2024	not yet accepted		Jun 16 to 30	4-Aug	- op-	-14	SC	PB	2020	4 years	Ν	Y		SH	

#### Applicant Tracking Aug 2024 - May 2025

- We record admissions actions in our database then add summary info to the tracking spreadsheet
  - Applicants report interviews via a google form
  - Applicants email or tell us about wait lists and offers

Use this form to let us know about your professional school information helps us know how your application cycle is go with future cohorts.	
katef@princeton.edu Switch account	
* Indicates required question	
Email *	
Your email	
Name *	
Your answer	
School that invited you *	
Your answer	
Type of program *	

#### You can glean some of this data within AIS But only when/if schools choose to report it

State	Med Code	Medical School Name	Program Type	Latest Action	Action Date	Letter
NY	845	Hofstra Northwell School of Medicine	Regular M.D.	Accepted	13-MAY-2024	10923
NC	153	North Carolina	Regular M.D.	No Action	28-JUN-2023	10923
PA	162	Pittsburgh	Regular M.D.	No Action	28-JUN-2023	10923
IL	812	Rush	Regular M.D.	Passive Withdrawal	21-NOV-2023	10923
NY	102	Albany	Regular M.D.	Rejected	26-MAR-2024	10923
MA	105	BU Chobanian Avedisian SOM	Regular M.D.	Rejected	14-NOV-2023	10923
RI	192	Brown	Regular M.D.	Rejected	13-DEC-2023	10923
OH	186	Case Western Res	Regular M.D.	Rejected	15-FEB-2024	10923
со	113	Colorado	Regular M.D.	Rejected	01-MAR-2024	10923
NY	114	Columbia U Vagelos Coll of P&S	Regular M.D.	Rejected	20-FEB-2024	10923
СТ	190	Connecticut	Regular M.D.	Rejected	05-MAR-2024	10923
NY	115	Cornell University	Regular M.D.	Rejected	26-FEB-2024	10923
NH	118	Dartmouth	Regular M.D.	Rejected	08-DEC-2023	10923
NC	119	Duke	Regular M.D.	Rejected	11-MAR-2024	10923
DC	123	George Washington	Regular M.D.	Rejected	16-NOV-2023	10923
DC	122	Georgetown	Regular M.D.	Rejected	19-OCT-2023	10923
IN	129	Indiana	Regular M.D.	Rejected	29-SEP-2023	10923
PA	132	Jefferson	Regular M.D.	Rejected	26-FEB-2024	10923
MD	133	Johns Hopkins	Regular M.D.	Rejected	23-FEB-2024	10923
0.4	060	Kaisar Dermonanta COM	Dogular M.D.	Dejected	00 1440 2024	40000

During the cycle, you can monitor **actions** for those schools that report them

- Request Secondary
- Interview
- Passive Withdrawal
- Accepted
- Alternate List
- Withdraw Before Accepted
  - Withdraw After Accepted

#### Applicant Database

PUID	· •	Last Na	ime	•	First Nar	ne 🔹	A	pplic	antStatus	•	Path -	No	CLDetails	*	Degree Sol 👻	Class' -	Last Update -	Outreac	h - E	Earliest II 🝷	Earliest Acc	: • P
92						0	Accepte	d			CL				MD	2023	3/11/2024	7/23/2	024	8/10/2023	3 10/16/2	023
Z Li	ast	*1	First	*	Med +1	Schoo	l Name	<b>*</b> †	IVW Invite 🕅	IVW D	Date 🗃	Decision +	Decision D: -1	1		Notes		<b>+</b> † A	.pp -	Alun - C	lick to Add 👻	
					872	NYU Lor	ng Island		9/6/2023	10/	5/2023	R						У		у		
					846	Geising	er		8/10/2023	9/1	1/2023	A	10/16/2023	IVW	V with Geising	er Scholar	s	У		У		
					805	Stony B	rook		9/26/2023	11/	3/2023	WL	12/12/2023					У		У		
					145	U Michi	gan		10/16/2023	11/1	6/2023	A	12/13/2023	PTE				У		у		
					107	Buffalo			9/25/2023	10/1	9 <mark>/2</mark> 023	WL	12/21/2023					У		у		
					801	Mt Sina			10/17/2023	11/1	0/2023	Н	1/19/2024					У		у		
					136	SUNY D	ownstate	6	11/1/2023	12/1	1/2023	WL	3/18/2024					У		У		
					866	Hackens	ack		11/27/2023	12/4	4/2023	WL	4/11/2024					у		у		

#### Applicant Tracking End of Cycle Snapshot

App Year	Status 💌	PTE	app process + mcat	Total Score	BCPM GP4	State	PB/GR?	Class Year	years to application	URM	URM / DIS / FAP	A 7/8	A 5/31	IVW 5/31	IVW 3/18	IVW 2/26	IVW 2/13	IVW 2/1	IVW 1/R	IVW 12/18	IVW 12/7 ▼	IVW 11/17	10/30	10/16
2024	accepted		Jun 16 to 30			CA	none	2022	2 years	N	Y	1	0	4	4	4	3	3	2	2	0	0	0	0
2024	no interviews	(withdrew	Aug			VA	none	2023	1 year	N	N	0	0	n/a	n/a	n/a	n/a	n/a	n/a	0	0	0	0	0
2024	accepted		Jul 16 to 31			IL	none	2022	2 years	N	Y	1	1	3	3	3	3	3	4	4	4	1	1	0
2024	accepted		Jun 1 to 15			NJ	none	2022	2 years	N	N	2	2	4	4	4	4	4	4	4	4	4	4	2
2024	accepted		Jun 16 to 30			NJ	none	2023	1 year	Y	Y	1	1	3	3	3	3	3	3	3	3	3	3	3
2024	accepted		Jul 1 to 15		1.0	NY	none	2022	2 years	Y	Y	1	0	9	8	8	4	4	4	4	4	4	4	4
2024	accepted		Jun 16 to 30			CA	none	2021	3 years	N	N	1	1	4	4	4	3	3	3	3	3	3	3	2
2024	accepted		Jun 16 to 30			CT	none	2023	1 year	N	N	1	1	4	4	4	4	4	4	4	4	3	3	3
2024	accepted		Jun 16 to 30			FL	none	2022	2 years	N	N	1	1	2	2	2	2	2	2	2	2	2	2	2
2024	not accepted		Jul 1 to 15	1947		TX	none	2022	2 years	N	N	0	0	1	1	1	1	1	1	1	1	1	1	1
2024	accepted		Jul 16 to 31	- 114		NM	none	2022	2 years	N	Y	2	2	4	4	4	4	4	4	4	3	3	3	3
2024	accepted		Jul 16 to 31			MA	none	2022	2 years	Y	Y	7	7	14	14	12	12	12	12	12	12	15	9	7





#### Final data analysis

- Download final AIS ROA with matriculated school information
- Clean your data (see previous presentation)
  - Deciding whom to count
- Generate additional columns to facilitate data analysis
- Add to file with previous four admission cycles



### Marc's process



## Preliminary Applicant Data

August 2023 - June 2024

#### Microsoft Form (Intent to Apply)

- Name
- Student ID
- Email
- Profession(s) applying for
- First Gen Status
- Applicant/Reapplicant Status
- Advising Interactions

• Applicant Self-Assessment

Microsoft Excel Sheet

Captures \*most\* but not all of our applicants

Merge with ROA Data sheet & clean up missing information



### Intent to Apply Form

#### Intent to Apply - 2025 Matriculation Survey

If you intend to apply to medical, dental, podiatry, optometry, or PA school, please complete this form. You are not committing to applying, but letting our office know that you are at least considering applying this cycle for Fall 2025 matriculation. This survey should take 5-10 minutes to complete.

LL. ...

* Required	
Applicant Information	
1. First Name * 🗔	
Enter your answer	
2. Last Name * 🛛 🖓	
Enter your answer	
3. Penn State 9 Digit ID (format: 912345678) * 🛛 🖓	
Enter your answer	
4. Penn State Email Address (format: abc1234@psu.edu) * 🔲	
Enter your answer	



### Students self-assess their preparation which is used to make a "spider chart" aka Radar Graph.

### Data Storage @ Penn State



Documents > Prehealth Files > DATA > 2024 M Name  $\vee$ Modified  $\vee$ AACOMAS Data\_2024.xlsx June 18 X≣ AACPMAS Data\_2024.xlsx March 8 XI X AADSAS Data\_2024.xlsx June 18 Accepted Students 3-25.xlsx March 25 XI June 18 XII AIS Data\_2024.xlsx CASPA Data\_2024.xlsx June 18 X X Combined Medical Data\_2024.xlsx June 18 XII Comprehensive Interview Feedback Surv... June 29, 2023 Data Legend.docx February 9 WE

## Storytelling with Data

#### Big Idea Worksheet

- What are you trying to show?
- How important is this information?
- Who is your audience? *Identifying your stakeholders is key!*
- Is your audience familiar with the type of visualization?
- How are you presenting the information?



### Storytelling with Data



#### NoN-STRATEGIC USE of CONTRAST

CLEAR CONTRAST is a SIGNAL, INDICATING WHERE to LOOK Don't make too many things different, or key points will get-last

#### GESTALT PRINCIPLES

ORDER what we SEE in the WORLD We can use this understanding of how people see to help identify of diminale CLUTTER

DESCRIBE HOW WE SUBCONSCIOUSLY

#### PROXIMITY

#### SIMILARITY



ENCLOSURE





#### CONTINUITY





### Storytelling with Data





### Examples of Stakeholder Questions

- Acceptance Data
- Demographic Analysis
- Academic Performance
- Co-curricular Experiences
- Geographic Trends

• Advising Experiences

# Sample data visualizations

### Charts & Accessibility

- Colors
  - Avoid red and green in the same visualization
  - Vary the brightness, line type (different dotted lines), and/or point shape

- Narrate your interpretation of the data during a presentation
- Provide the data in text or a simple chart with captions and a header row as an alternative

### Data Visualization @ Penn State



### Data Visualization @ Penn State



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School Type 🔗 🗧	= @
Dental D0 MD	PA
Institution Name	Count
Sidney Kimmel Medical College at Thomas Jefferson University	40
Penn State Hershey	18
Drexel University College of Medicine	10
Lewis Katz School of Medicine at Temple University	8
Geisinger Commonwealth School of Medicine	7
University of Pittsburgh School of Medicine	4
Ponce Health Sciences University School of Medicine	3
Cooper Medical School of Rowan University	2
Georgetown University School of Medicine	2
Jacobs School of Medicine and Biomedical Sciences at the University at Buffalo	2
Loyola University Chicago Stritch School of Medicine	2
Rutgers New Jersey Medical School	2
Uniformed Services University of the Health Sciences F. Edward Hebert School of Medicine	2
University of Virginia School of Medicine	2
Weill Cornell Medicine	2
Albany Medical College	1
Case Western Reserve University School of Medicine	1
George Washington University School of Medicine and Health Sciences	1
Hackensack Meridian School of Medicine	1
Medical College of Wisconsin	1
Medical University of South Carolina College of Medicine	1
Ohio State University College of Medicine	1
Oregon Health & Science University School of Medicine Total	1 135

## **GPA/MCAT** Grid

	MCAT Total											
GPA Total	472 - 485	486 - 489	490 - 493	494 - 497	498 - 501	502 - 505	506 - 509	510 - 513	514 - 517	518 - 528	MCAT Not Provided	Grand Total
3.80 - 4.00		0%	0%	22%	50%	50%	75%	81%	85%	94%	40%	76%
Applicant	2 - 22 - 22	1	3	9	22	38	63	88	85	90	5	404
Accepted				2	11	19	47	71	72	85	2	309
3.60 - 3.79	0%	0%	0%	25%	40%	46%	65%	68%	75%	64%	100%	53%
Applicant	2	3	5	20	35	57	54	41	24	11	1	253
Accepted				5	14	26	35	28	18	7	1	134
3.40 - 3.59	0%	0%	0%	16%	28%	53%	48%	50%	55%	100%	20%	34%
Applicant	4	8	17	25	39	36	29	26	11	1	5	201
Accepted				4	11	19	14	13	6	1	1	69
3.20 - 3.39	0%	20%	20%	19%	25%	41%	60%	40%	25%	67%	100%	33%
Applicant	3	5	10	16	20	17	10	15	4	3	1	104
Accepted		1	2	3	5	7	6	6	1	2	1	34
3.00 - 3.19	25%	0%	0%	0%	20%	23%	42%	50%	25%		0%	22%
Applicant	4	1	7	8	10	13	12	4	4		1	64
Accepted	1				2	3	5	2	1			14
2.80 - 2.99	0%	0%	0%	0%	0%	50%	0%	50%	0%		0%	11%
Applicant	2	2	2	4	6	4	2	2	3		1	28
Accepted						2		1				3

### Data Visualization @ Penn State



Figure 2: Average MCAT score by month of MCAT in 2022 (Penn State 2023 Matriculation Data from AIS)


# Pie charts

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Accepted Applicants for 2023 matriculation by MCAT timing (n = 33)



+ Familiar format

- + Easily visualize parts of a whole
- + Better when proportions are dissimilar
- + Better with five or fewer categories

# Pie charts we use

 Applicant pool by application timeline (direct entry, 1 glide year, 2 glide years, 3-4 years, 5+ years)

- Student appointments by class year (first year, soph, junior, senior, alum)
- Student appointments by topic (general interest, academic preparation, experiential preparation, application process, postgrad planning)

## Line graphs





+ Visualize changes over time

# Line graphs we use

- Number of professional school interview invitations by month  $\rightarrow$  share with applicants
- Number of student appointments by month  $\rightarrow$  annual report and strategic planning



# Column chart

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Time elapsed between graduation and medical school matriculation



+ Compare between categories

+ Visualize changes over time

Source: AAMC Matriculating Student Questionnaire

# Stacked column chart

2023 applicant outcomes by CARS subscore (n=51)



+ Comparison between categories

+ Distribution of data within cohort

## 100% Stacked Column Charts

Princeton accepted applicants by application timeline



#### + Visualize parts of a whole

+ Track changes over time

## 100% stacked bar vs regular bar chart





# Bar and column charts we generate

- Accepted/not accepted
  - By AMCAS processed/MCAT date (early June, early/late July, Aug+)
  - By BCPM credit hour ranges with postbac and w/o postbac
  - By CUM GPA ranges with postbac and w/o postbac
  - By BCPM GPA ranges with postbac and w/o postbac
  - By MCAT total (single score or ranges)
  - By MCAT subscores (single score or ranges)
- Early Assurance, Committee letter, Other applicant over the past five years
- Advisee traffic

- by class year over the past five years
- In-person vs online by class year

### Not sure which one to use?

Highlight your data (or create a pivot table and select create pivot chart), then tab through the chart types and see what best presents your data



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# Scatter charts



 Visualize data with two dimensions

 Visualize trends in data (better with larger data sets)

# Scatter charts we generate

Acceptances by BCPM GPA + MCAT combination  $\rightarrow$  accepted, accepted with postbac, not accepted *if* >5 *data points for each* 

- By timeline (direct, 1 year, 2 years, 3-4 years, 5+ years)
- By profession (MD, MD/PhD, DO)
- By area of study
- For international students

## Word Clouds



Pretty, but terrible for accessibility!

Be sure to provide data in an alternate format.

### MSAR-style "bubble" charts



#### Be sure to provide data in an alternate format.

### Data shared within HPA team

Monthly Advising traffic report - number of appointments, type, method with comparison to last year

Pre-applicant report - number of prospective applicants

Applicant progress report - number of applicants with interviews, acceptances, wait lists with comparison to last 3 years

## Data shared with faculty and administrators

August 2024 Advising Outcomes Annual Report to supervisor
Demographics of current pre-health students to supervisor, advising deans, and faculty
October 2024 Preliminary 2024 Applicant Outcomes presented to faculty committee
December 2024 Application Outcomes Annual Report to supervisor and committee

- 2023-24 Applicant outcomes
- 2020-2024 Five-Year Applicant Trends
- Applicant Survey results

## Data shared with students & public

October 2024 Applicant Guide for prospective 2026 cycle pulling data from 2019-2023

January 2025

- 2024 Application Outcomes Data of Interest available
  - Some public on website
  - Some to students behind a website login
  - Some to applicants on a Canvas site

May 2025 2025 Acceptances Map available on website

throughout the year in presentations, online guides, and in advising conversations

## Resources

Kate and Marc's sample data set  $\rightarrow$  will open in google sheets, but choose download as an excel file!

NAAHP Blog: Creating an MCAT/GPA matrix

NAAHP-Ed: Harnessing the Power of Application Data

AAMC How to get the most out of AIS

Excelisfun (YouTube Channel to learn Excel)

Chandoo (Another Excel)

 $\Box$  Institutional Research Offices at your office





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