First things, first

The analyses in the presentation would never have occurred without the hard work of my collaborators:

Heidi Jensen

Lorenzo Pappas

Nazifa Taha

Caroline Wilson

Meagan Thompson

Louis Barbier and I orchestrated the work but the above individuals actually *did* it.

About the data to be discussed

Self-reported demographic data for proposers to ROSES-2021. Data collected since 2016 although these data can sometimes be used to reconstruct 2014-2015 data.

For brevity, only analyses of PIs will be presented.

MSI types derived from Dept. of Education tables. Carnegie Classifications derived from Carnegie tables

The following types of proposals are *excluded* from the analyses:

- Step-1 proposals
- Withdrawn proposals
- Declined (non-compliant) proposals
- Senior/programmatic reviews & Topical Workshops, Symposia, and Conferences (TWSC)
- Graduate and Early career fellowships (ECF, FINESST, NESSF)
- Astrophysics division's Guest Investigator/Observer programs

Limitations of the Data

Demographic survey was optional, and members were not required to respond

 Respondents that did not take the survey were removed from analysis:

 SMD 2021: **0%** | BPS 2021: **0%**

 Respondents who took the survey but selected "prefer not to answer" for **all** demographic survey questions:

 SMD 2021: 7% | BPS 2021: 5%

Unique identifiers in the dataset are not *always* unique

 ~ 1% of PIs have more than 1 unique ID

Protecting the anonymity of respondents

Percentages less than 1% (including null values) are shown as "<1%" and all other percentages are rounded to the nearest full digit.

If there are 10 or less unique people in a cell, that category will be shown as "<11" or "NR" (Not Reportable).

Total selections and submissions by year will not be shown.

Success rates will not be calculated when the total submissions for a particular group is less than 50; or number of unique individuals selected is 10 or less
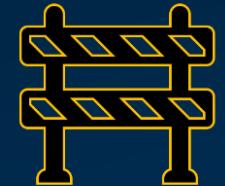
What characteristics are in the data?

For PIs (self-reported):

- Gender
- Race (Census categories)
- Ethnicity (OMB guidelines)
- Ability
- Year of terminal degree
- Career stage (computed)

For institutions:

- Institution type (university, non-profit, NASA, etc.)
- Level of Research Activity of Institution (Carnegie Classification)
- Minority-Serving Institution (MSI) status

What are SMD's PIs like? (1/3)

Characteristic	SMD (2021)		BPS (2021)	
	Percentage, Proposers	Percentage, Awardees	Percentage, Proposers	Percentage, Awardees
GENDER				
Male	66	66	53	NR
Female	26	27	40	NR
Non-Male/Female	<1	<1	<1	NR
PNA	8	7	7	NR
ABILITY				
Non-disabled	86	87	90	NR
Disabled	1	1	1	NR
PNA	13	12	10	NR

Note: Categories with less than 1% (including null values) are shown as <1%
Categories with less than 10 individuals are shown as "NR"
"PNA" means "prefer not to answer"

What are SMD's PIs like? (2/3)

Characteristic	SMD (2021)		BPS (2021)	
	Percentage, Proposers	Percentage, Awardees	Percentage, Proposers	Percentage, Awardees
RACE				
White	64	66	60	NR
Asian	17	16	22	NR
PNA	14	13	10	NR
Identity not listed	2	2	3	NR
Black	1	2	1	NR
AIAN	<1	<1	1	NR
NHOPI	<1	<1	<1	NR
Multiracial	<1	<1	<1	NR

Note: Categories with less than 1% (including null values) are shown as <1%
Categories with less than 10 individuals are shown as "NR"
"PNA" means "prefer not to answer"

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What are SMD's PIs like? (3/3)

Characteristic	SMD (2021)		BPS (2021)	
	Percentage, Proposers	Percentage, Awardees	Percentage, Proposers	Percentage, Awardees
ETHNICITY				
Non-Hispanic/Latino/Latine/Latinx	81	82	83	NR
Hispanic/Latino/Latine/Latinx	5	5	6	NR
PNA	15	14	11	NR
CAREER STAGE				
Early	32	32	35	NR
Middle	32	33	23	NR
Late	36	35	39	NR
Unknown	<1	<1	3	NR

Note: Categories with less than 1% (including null values) are shown as <1%

Categories with less than 10 individuals are shown as "NR"
"PNA" means "prefer not to answer"

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