

Cross-correlation studies of the results of the 2020 Survey of the Planetary Science Workforce survey

The following information had been requested by the DPS Professional Climate and Culture Subcommittee (PCCS) in summer 2020, from the 2020 Planetary Science Workforce survey conveners. The aim was to better understand how different identities may cross-correlate amongst survey respondents, as well as with certain types of work opportunities/experiences.

This information (3 tables) was added to the DPS website (<https://dps.aas.org/reports>) in August 2021, and is listed along with the full survey report and raw data.

Table 1 (left): Non student respondents, by gender

Table 2 (right): All respondents, binned by race and gender

NON STUDENTS	
VARIABLE IS q34	
Cell Contents are....	
Cell Counts	
Row Percent	
Column Percent	
Woman	526 100.0 31.8
Man	1067 100.0 64.5
Other Identity	11 100.0 0.7
Won't answer	51 100.0 3.1
Total N	1655
Row Pct	100.0
Col Pct	100.0

RACE BY GENDER					
Cell Contents are....					
Cell Counts					
Row Percent					
Column Percent					
urml					
q34	URM	Latinx	Asian	White	Row Totals
Woman	87 11.3 48.9	31 4.0 50.0	79 10.3 34.3	571 74.3 36.5	768 100.0 37.7
Man	87 7.1 48.9	28 2.3 45.2	150 12.2 65.2	964 78.4 61.6	1229 100.0 60.4
Other Identity	1 4.0 0.6	3 12.0 4.8		21 84.0 1.3	25 100.0 1.2
Won't answer	3 21.4 1.7		1 7.1 0.4	10 71.4 0.6	14 100.0 0.7
Total N	178	62	230	1566	2036
Row Pct	8.7	3.0	11.3	76.9	100.0
Col Pct	100.0	100.0	100.0	100.0	100.0

Table 3: Respondents that have served as Mission Proposal PIs, by race, gender, or identifying as LGBTQ+. “Lower/Higher than expected” based on statistical analysis performed by AIP with comparison to demographics of the field.

Mission Proposal PI					
	URG	Asian	White	Total	
Never	119	126	902	1147	
Once	6	13	122	141	Lower than expected
two or three	6	2	12	20	Higher than expected
4+	8	3	50	61	
Total	139	144	1086	1369	
p-value =	0.008				

Mission Proposal PI				
	Woman	Man	Total	
Never	420	778	1198	
Once	24	76	100	
two or three	10	55	65	Lower than expected
4+	10	52	62	Higher than expected
Total	464	961	1425	
p-value =	0.000			

Mission Proposal PI				
	LGBTQ+	No	Total	
Never	114	1150	1264	
Once	7	100	107	
two or three	1	68	69	
4+	4	59	63	
Total	126	1377	1503	
p-value =	0.122			