Summary of EAS demographic data compilation

Caveats

The degree of under/overrepresentation of racial and ethnic groups depends on the basis of comparison. For comparison, I have compiled regional demographic data for the city of Atlanta, the state of Georgia and the entire USA.

The degree of under/overrepresentation of gender groups is largely independent of the comparison basis as binary gender categories approach parity simply as sample size increases. However, the data does not account for nonbinary gender catagories.

The data does not consider racial and ethnic groups outside of US Census designations. For more, see: https://www.census.gov/topics/population/race/about.html.

The data largely ignores citizenship in demographic statistics. Martial's data includes some accounting of citizenship amongst graduate students.

Irregularities in data compilation and categorization sometimes complicate direct comparisons. In particular, Georgia Tech does not appear to treat race separately from ethnicity in official data reporting (e.g. GT LITE: https://lite.gatech.edu/). This leads to issues determining the degree of under/overrepresentation as, for example, white and non-white Hispanic/Latina/o students are not differentiated.

Some statistics lack self-reported data, and consequently the data likely include errors from assumptions I made in compilation. I have noted this where applicable. I think this should be the first thing to fix in our effort to maintain data records!

Georgia Tech Grad + UGrad

Georgia Tech is overrepresented in male and Asian students (also White when comparing to the city of Atlanta). It is most significantly underrepresented in Black/African American and female students. It is also underrepresented in Hispanic/Latina/o and White students when compared to the state of Georgia and the broader USA.

EAS UGrad

EAS Undergraduates are overrepresented in female, White and (to a lesser extent) Asian students. It is underrepresented in male and URM students, which is not differentiated in GT LITE records but likely includes a combination of Black/African American, Hispanic/Latina/o, American Indian/Alaska Native, Native Hawaiian/Pacific Islander students.

EAS Grad

EAS MS students are very close to gender parity. They are overrepresented in White and (to a lesser extent) Asian students. They are underrepresented in URM students (see note in UGrad). PhD students are overrepresented in male and Asian students. They are underrepresented in URM, female and White students, regardless of the comparison basis. Martial's data seems to indicate that Hispanic/Latina/o students are underrepresented when compared to GA and USA statistics.

Note: there are some slight differences between data collected directly from LITE and data presented by Martial. I think these differences originate from different data grouping and (likely) my errors in transcribing Martial's slides.

EAS Colloquia speakers

EAS Colloquia speakers are overrepresented in male, White and Asian speakers. It is most significantly underrepresented in Black/African American and female speakers, and also Hispanic/Latina/o speakers when compared to the USA broadly. The degree of underrepresentation is less than the department faculty and there are some exceptions: e.g. American Indian/Alaska Native speakers are near representation.

EAS Faculty

EAS Faculty is overrepresented in male, Asian and White faculty. It is underrepresented in Black/African American and female faculty. It is also underrepresented in Hispanic/Latina/o and White faculty when compared to the USA broadly.

EAS Hiring

No data is available on job offers/hiring statistics. This would be good to add if we can get the numbers.

ATL, GA, USA data

REGION	YEAR	TOTAL	GENDER			RACE							ETHNICITY				SOURCE
			MALE	FEMALE	SUM	WHITE	BLACK/AA	ASIAN	AI/AK NAT	NAT HI/PAC	MULTI	SUM	HISP+LAT	WHITE NHIS	OTHER	SUM	
Atlanta	2019	506,811	48.5	51.5	100	40.9	51.0	4.4	0.3	0.0	2.4	99.0	4.3	38.3	57.4	42.6	https://www.census.gov/quickfacts/atlantacitygeorgia
Georgia	2019	10,617,423	48.6	51.4	100	60.2	32.6	4.4	0.5	0.1	2.2	100.0	9.9	52.0	38.1	61.9	https://www.census.gov/quickfacts/fact/table/GA/PST045219
USA	2019	328,239,523	49.2	50.8	100	76.3	13.4	5.9	1.3	0.2	2.8	99.9	18.5	60.1	21.4	78.6	https://www.census.gov/quickfacts/fact/table/US/PST045219

NOTES

Classifications are based on OMB: https://www.census.gov/topics/population/race/about.html

GT Grad + UGrad

NOTES Numbers *GT does not appear to distinguish between white and non-white hispanic/latina/o students, i.e. it does not differentiate between race and ethnicity

		2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	MEAN	ATL diff	GA diff	USA diff
	YEAR	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	MEAN			
	TOTAL	39775	36488	32717	29369	26836	25037	23108	21472	21558	20939	27730			
GENDER	MALE	69.10	69.38	69.47	69.09	69.13	69.37	69.86	69.14	69.45	69.98	69.40	38.78	38.87	38.49
	FEMALE	30.90	30.62	30.53	30.91	30.87	30.63	30.14	30.86	30.55	30.02	30.60	-69.40	-69.40	-69.40
	SUM	100	100	100	100	100	100	100	100	100	100				
	WHITE	41.67	43.50	45.25	47.31	47.84	49.26	50.82	52.51	53.90	55.99	48.80	10.76	12.65	14.58
	ASIAN	39.86	38.05	36.15	34.23	33.59	33.04	32.32	31.11	30.48	28.54	33.74	33.68	33.70	33.70
RACE	B/AA	5.64	5.66	5.80	6.11	6.11	6.08	5.95	5.98	5.89	6.13	5.94	0.27	0.14	-0.18
	AI/AK NAT	0.06	0.05	0.04	0.04	0.04	0.07	0.08	0.09	0.11	0.14	0.07	0.02	0.07	0.04
	NAT HI/PAC	0.05	0.05	0.00	0.04	0.04	0.06	0.08	0.08	0.08	0.08	0.06	-3.29	-3.32	-3.20
	MULTI	3.35	3.35	3.37	3.25	3.34	3.36	3.31	3.04	2.78	2.53	3.17	1.45	1.43	1.40
	UNKNOWN	1.65	1.72	1.74	1.77	1.58	1.25	0.74	0.48	0.54	0.66	1.21			
	HISP+LAT	7.74	7.62	7.63	7.25	7.08	6.87	6.70	6.71	6.23	5.93	6.98	-93.02	-93.00	-93.02
ETHNICITY	SUM	100	100	100	100	100	100	100	100	100	100				
	WHITE NHIS / OTHER	92.26	92.38	92.37	92.75	92.92	93.13	93.30	93.29	93.77	94.07	93.02	0.65	0.65	0.27
SOURCE		GT LITE (https://lite.gatech.edu/)													

EAS Ugrad

NOTES I think that URM includes Hispanic/Latina/o students

		2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	MEAN	ATL diff	GA diff	USA diff
	YEAR	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	MEAN			
	TOTAL	57	51	51	41	46	41	30	45	39	44	45			
GENDER	MALE	29.82	33.33	35.29	41.46	39.13	34.15	26.67	44.44	38.46	43.18	36.59	-30.07	-28.11	-21.94
	FEMALE	70.18	66.67	64.71	58.54	60.87	65.85	73.33	55.56	61.54	56.82	63.41	-36.59	-36.59	-36.59
	SUM	100	100	100	100	100	100	100	100	100	100				
	WHITE	68.42	78.43	74.51	75.61	80.43	65.85	66.67	68.89	82.05	81.82	74.27	64.46	58.58	62.07
	ASIAN	14.04	9.80	15.69	12.20	6.52	9.76	10.00	11.11	10.26	9.09	10.85	10.85	10.85	10.85
RACE	URM*	15.79	9.80	9.80	12.20	13.04	21.95	20.00	17.78	7.69	9.09	13.71	1.04	1.04	-1.35
	UNKNOWN	0.00	0.00	0.00	0.00	0.00	2.44	3.33	2.22	0.00	0.00	0.80			
	NON URM MULTI	1.75	1.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.37			
	SUM	100	100	100	100	100	100	100	100	100	100				
SOURCE		GT LITE (https://lite.gatech.edu)													

EAS Grad

			2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	MEAN	ATL diff	GA diff	USA diff
		YEAR	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	MEAN			
		TOTAL (#)	4	2	7	12	12	12	8	13	10	19	10	ATL diff	GA diff	USA diff
MS	GENDER	MALE	50.00	50.00	71.43	25.00	33.33	33.33	37.50	69.23	70.00	42.11	48.19	-1.81	-1.81	19.62
		FEMALE	50.00	50.00	28.57	75.00	66.67	66.67	62.50	30.77	30.00	57.89	51.81	-48.19	-48.19	-48.19
		SUM	100	100	100	100	100	100	100	100	100	100				
		WHITE	75.00	50.00	57.14	66.67	91.67	75.00	50.00	76.92	90.00	94.74	72.71	72.71	72.71	58.43
		ASIAN	0.00	0.00	14.29	16.67	8.33	0.00	25.00	23.08	10.00	5.26	10.26	10.26	10.26	10.26
	RACE	URM*	25.00	50.00	28.57	16.67	0.00	16.67	25.00	0.00	0.00	0.00	16.19	-8.81	-33.81	-12.38
		UNKNOWN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
		NON URM MULTI	0.00	0.00	0.00	0.00	0.00	8.33	0.00	0.00	0.00	0.00	0.83			
		SUM	100	100	100	100	100	100	100	100	100	100				
PhD		TOTAL (#)	65	65	65	71	76	70	69	74	72	63	69			
	GENDER	MALE	53.85	56.92	61.54	69.01	63.16	62.86	57.97	62.16	62.50	61.90	61.19	11.19	11.19	32.62
		FEMALE	46.15	43.08	38.46	30.99	36.84	37.14	42.03	37.84	37.50	38.10	38.81	-61.19	-61.19	-61.19
		SUM	100	100	100	100	100	100	100	100	100	100				
		WHITE	41.54	32.31	33.85	42.25	35.53	41.43	49.28	43.24	38.89	36.51	39.48	39.48	39.48	25.20
		ASIAN	43.08	52.31	53.85	45.07	51.32	51.43	44.93	48.65	50.00	47.62	48.82	48.82	48.82	48.82
	RACE	URM*	10.77	12.31	10.77	9.86	10.53	5.71	4.35	6.76	9.72	15.87	9.66	-15.34	-40.34	-18.91
		UNKNOWN	3.08	1.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.46			
		NON URM MULTI	1.54	1.54	1.54	2.82	2.63	1.43	1.45	1.35	1.39	0.00	1.57			
		SUM	100	100	100	100	100	100	100	100	100	100				

EAS Colloquium

		2021	2020	2019	TOTAL	ATL diff	GA diff	USA diff
YEAR		2021	2020	2019	**TOTAL**			
TOTAL		14	28	43	**85**	*ATL diff*	*GA diff*	*USA diff*
	MALE	64.29	57.14	53.49	**56.47**	*13.61*	*9.96*	*9.96118*
GENDER	FEMALE	35.71	42.86	46.51	**43.53**	*-56.47*	*-56.47*	*-56.47*
	SUM	*100*	*100*	*100*	*100*			
	WHITE	64.29	64.29	76.74	**70.59**	*59.88*	*63.61*	*66.1513*
	BLACK/AA	21.43	10.71	6.98	**10.59**	*-7.27*	*-3.36*	*-4.71*
	ASIAN	14.29	17.86	13.95	**15.29**	*8.15*	*15.29*	*11.598*
RACE	AI/AK NAT	0	7.14	0	**2.35**	*2.35*	*2.35*	*0*
	IAT HI/PAC	0	0	0	**0.00**	*0.00*	*-2.33*	*-1.18*
	MULTI	0	0	2.33	**1.18**	*-98.82*	*-98.82*	*-98.82*
	SUM	*100*	*100*	*100*	*100*			
	HISP + LAT	14.29	0*	6.98	**5.88**	*-58.40*	*-66.21*	*-60.00*
ETHNICITY	WHITE NHIS	50.00	64.29	72.09	**65.88**	*30.17*	*44.95*	*37.65*
	OTHER	35.71	35.71	20.93	**28.24**	*-71.76*	*-71.76*	*-71.76*
	SUM	*100*	*100*	*100*	*100*			
SOURCE		https://eas.gatech.edu/past-events						

EAS Faculty

		2021	ATL diff	GA diff	USA diff
YEAR		2021			
TOTAL		35	*ATL diff*	*GA diff*	*USA diff*
	MALE	62.9	*25.8*	*25.8*	*25.8*
GENDER	FEMALE	37.1	*37.1*	*37.1*	*37.1*
	SUM	*100*			
	WHITE	71.4	*94.2*	*94.2*	*94.2*
	BLACK/AA	0	*-22.8*	*-22.8*	*-22.8*
	ASIAN	25.7	*22.8*	*22.8*	*22.8*
RACE	AI/AK NAT	0	*2.9*	*2.9*	*2.9*
	IAT HI/PAC	0	*-2.9*	*-2.9*	*-2.9*
	MULTI	2.9	*2.9*	*2.9*	*2.9*
	SUM	*100*			
	HISP + LAT	8.6	*-31.4*	*-31.4*	*-31.4*
ETHNICITY	WHITE NHIS	65.7	*40*	*40*	*40*
	OTHER	25.7	*25.7*	*25.7*	*25.7*
	SUM	*100*			
SOURCE		https://eas.gatech.edu/people?title=&field_group_tid=103			