

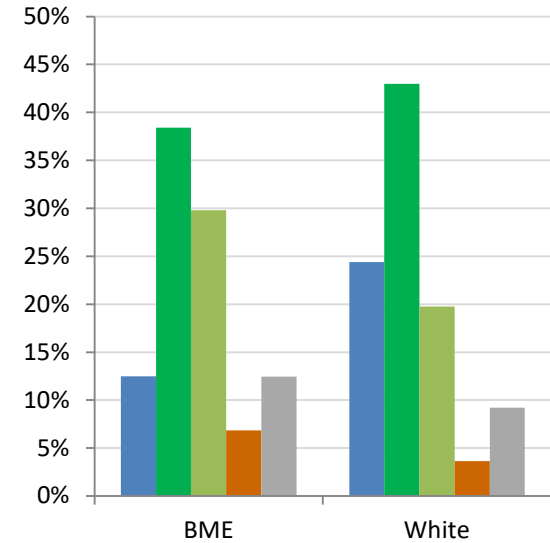
Is low motivation a factor in BME underperformance?

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KU summary 14/15

All faculties

Class	BME	White
1	12%	24%
2.1	38%	43%
2.2	30%	20%
3	7%	4%
Ord/Fdn	12%	9%

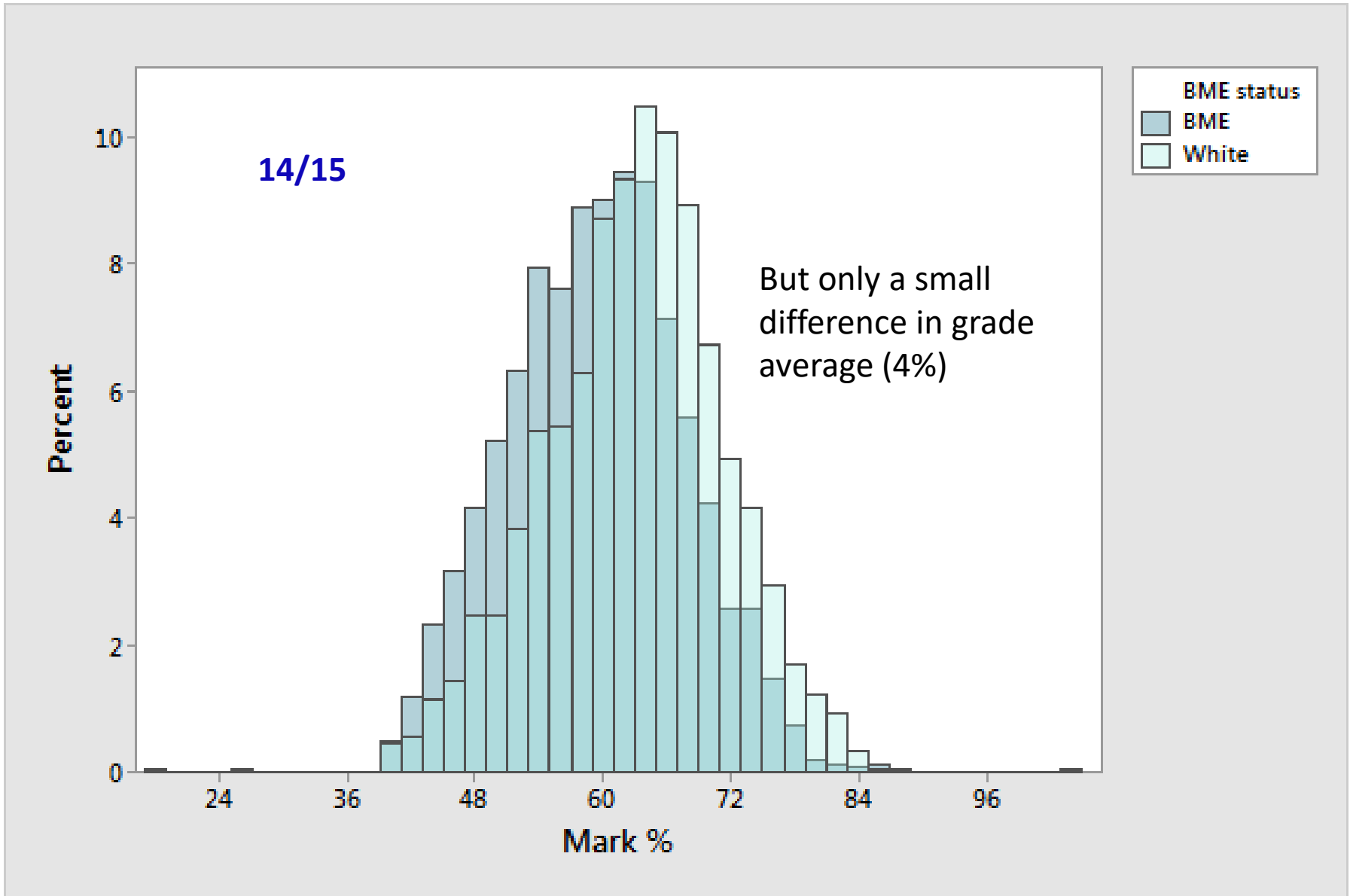


Odds of a good degree (1 or 2.1) = 1 (BME)
2.03 (White)

$$\text{odds} = p/(1-p)$$

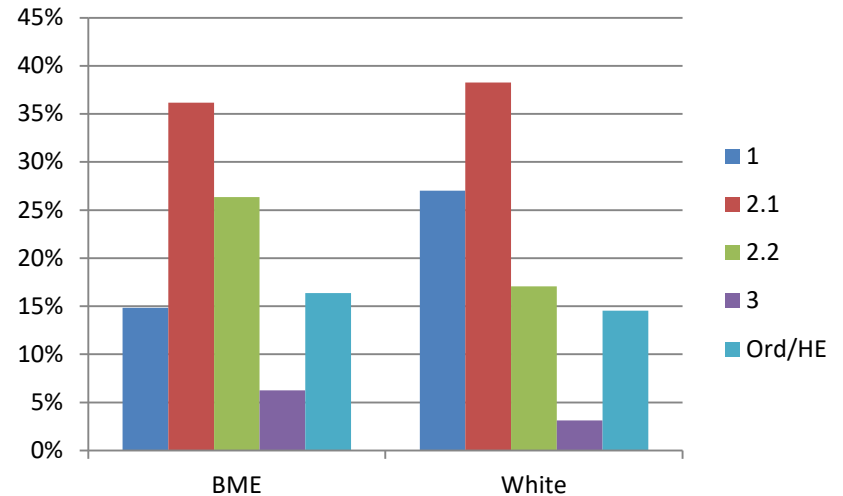
White students are twice as likely to get a good degree as BME

Similar to the rest of the country



KU summary 15/16

Class	BME	White
1	15%	27%
2.1	36%	38%
2.2	26%	17%
3	6%	3%
Ord/HE	16%	15%



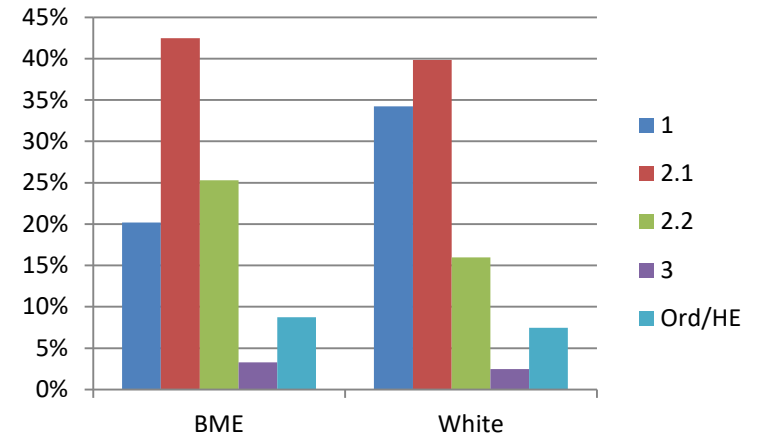
Odds of a good degree (1 or 2.1) = 1.04 (BME) [0.72 for Black students]
1.86 (White)

White students are 1.79 times as likely to get a good degree as BME
but 2.58 times as likely as Black students

Class	Asian	Black	Mixed	Other	White
1	17%	10%	21%	13%	27%
2.1	39%	32%	32%	38%	38%
2.2	25%	30%	23%	26%	17%
3	5%	8%	6%	5%	3%
Ord/HE	14%	20%	19%	17%	15%

KU summary 16/17

Class	BME	White
1	20%	34%
2.1	42%	40%
2.2	25%	16%
3	3%	2%
Ord/HE	9%	7%

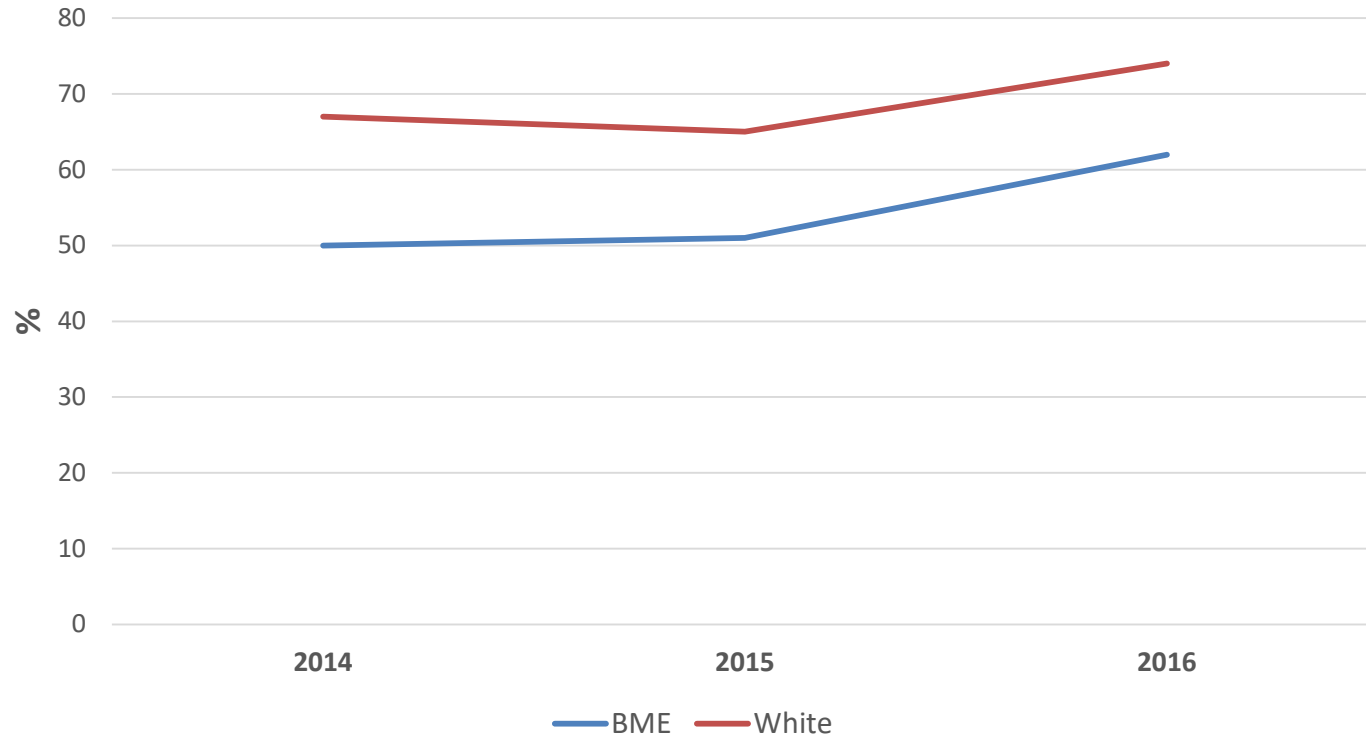


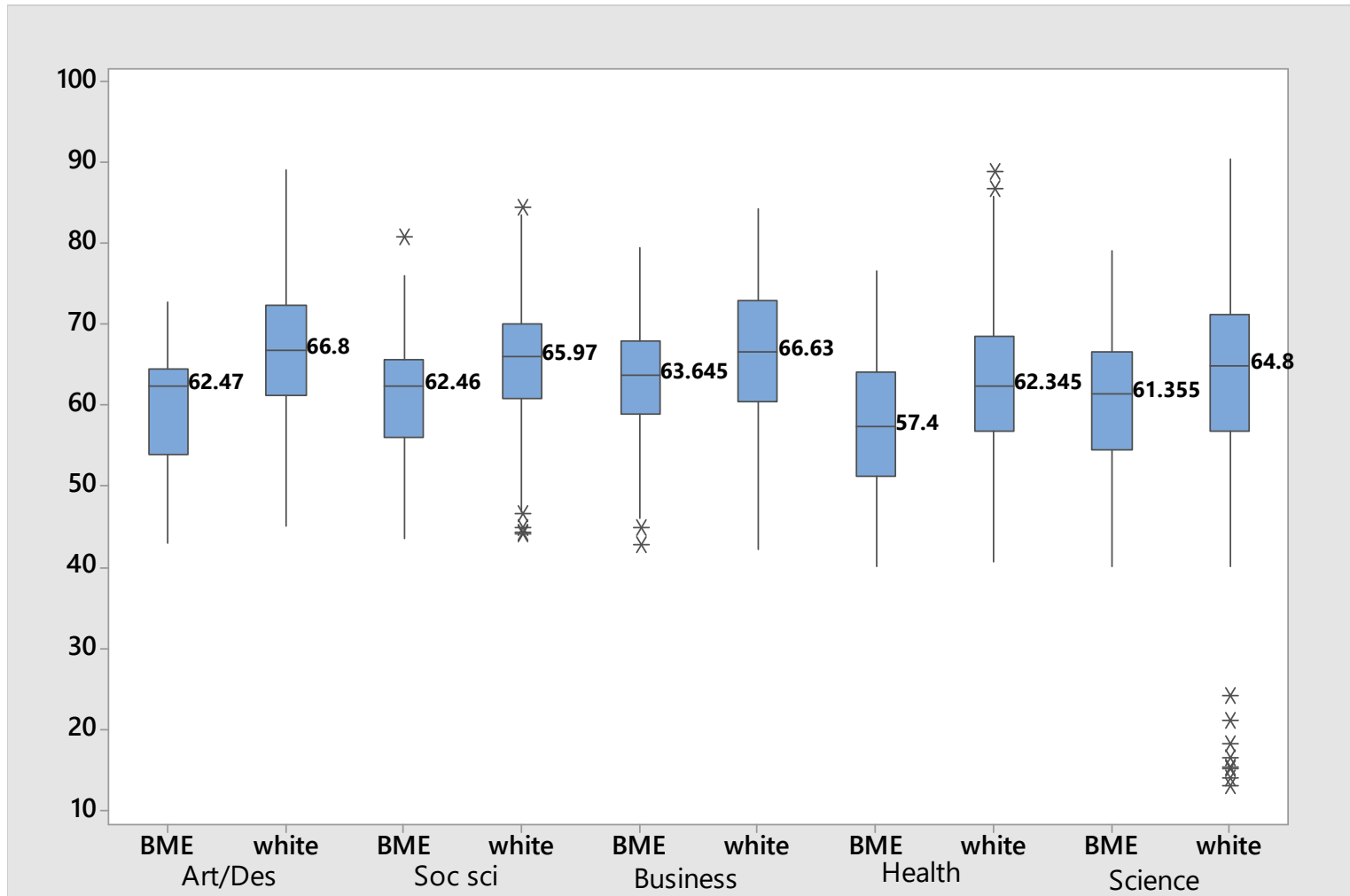
Odds of a good degree (1 or 2.1) = 1.63 (BME) [1.4 for Black students]
2.85 (White)

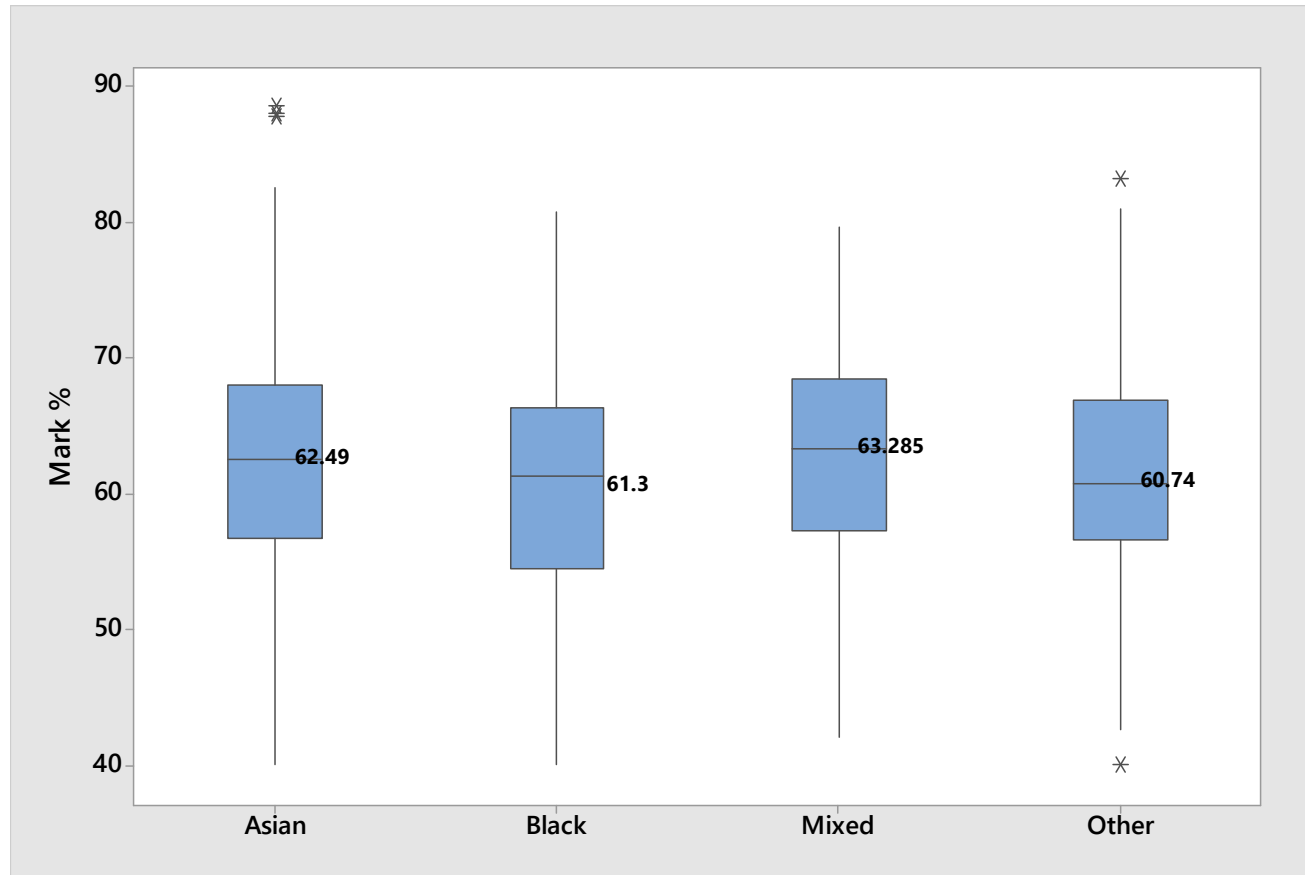
White students are 1.75 times as likely to get a good degree as BME
but still 2.04 times as likely as Black students

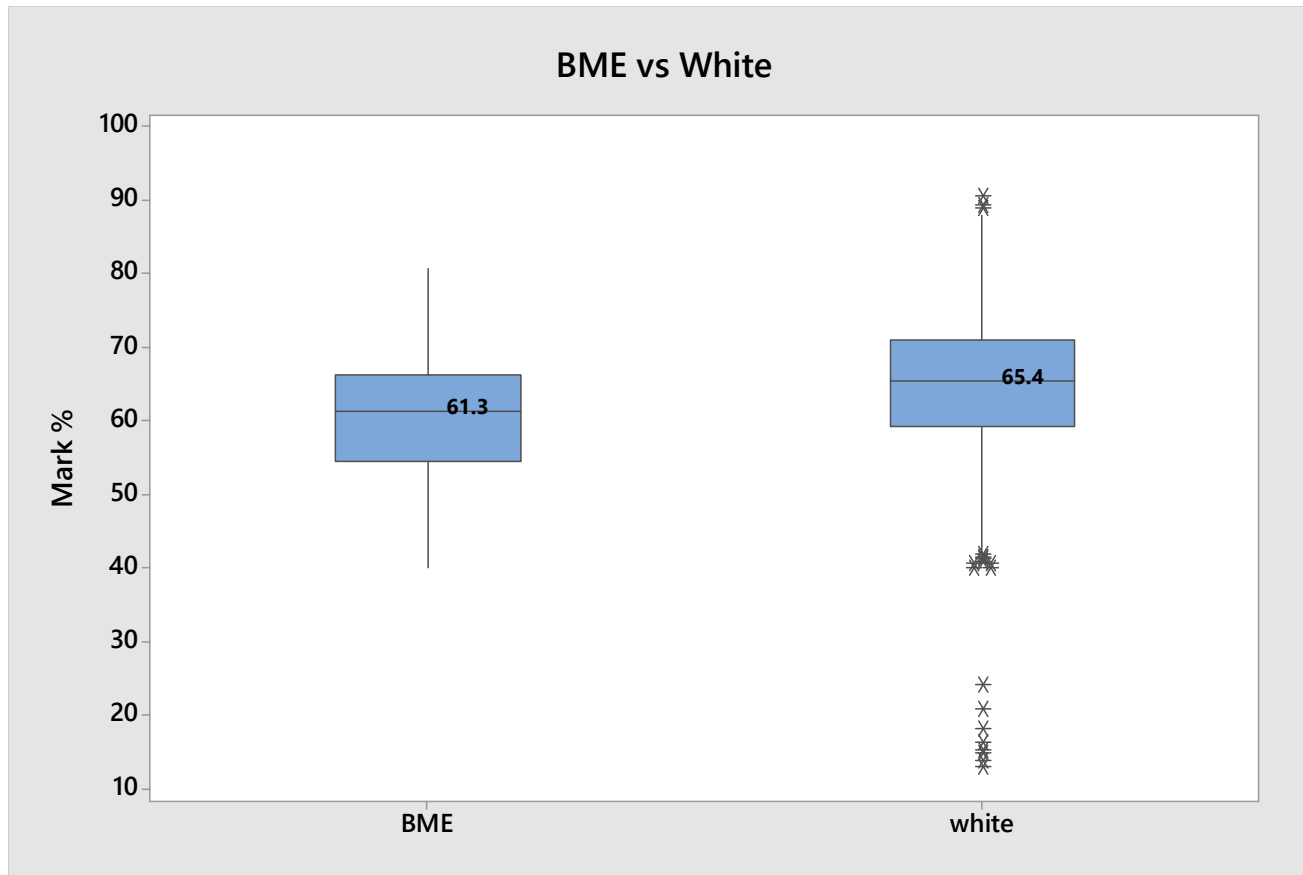
Class	Asian	Black	Mixed	Other	White
1	22%	16%	23%	17%	34%
2.1	42%	43%	44%	43%	40%
2.2	26%	26%	19%	30%	16%
3	4%	4%	2%	2%	2%
Ord/HE	7%	12%	12%	9%	7%

Good degrees

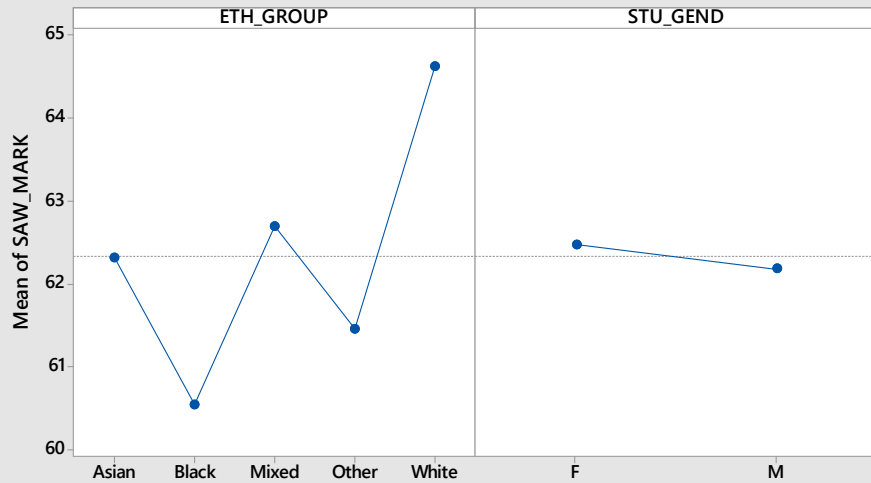






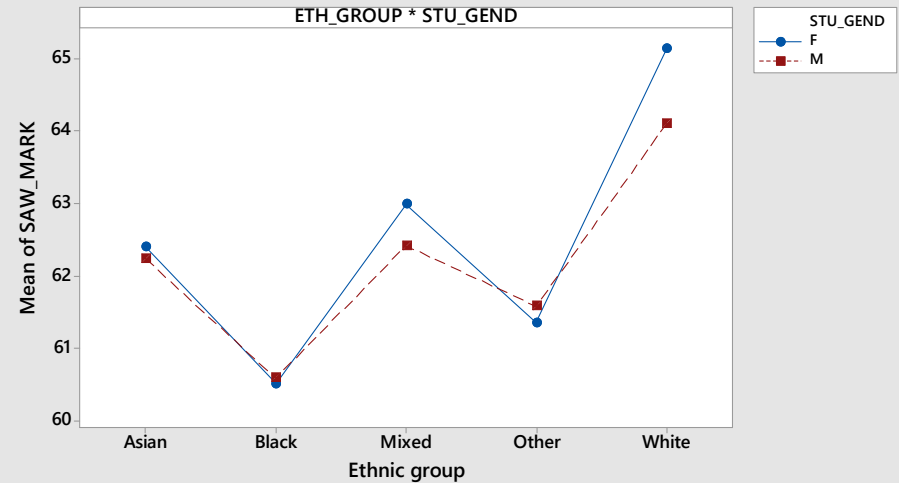


Main Effects Plot for grade average
Fitted Means



All displayed terms are in the model.

Interaction Plot for grade average
Fitted Means

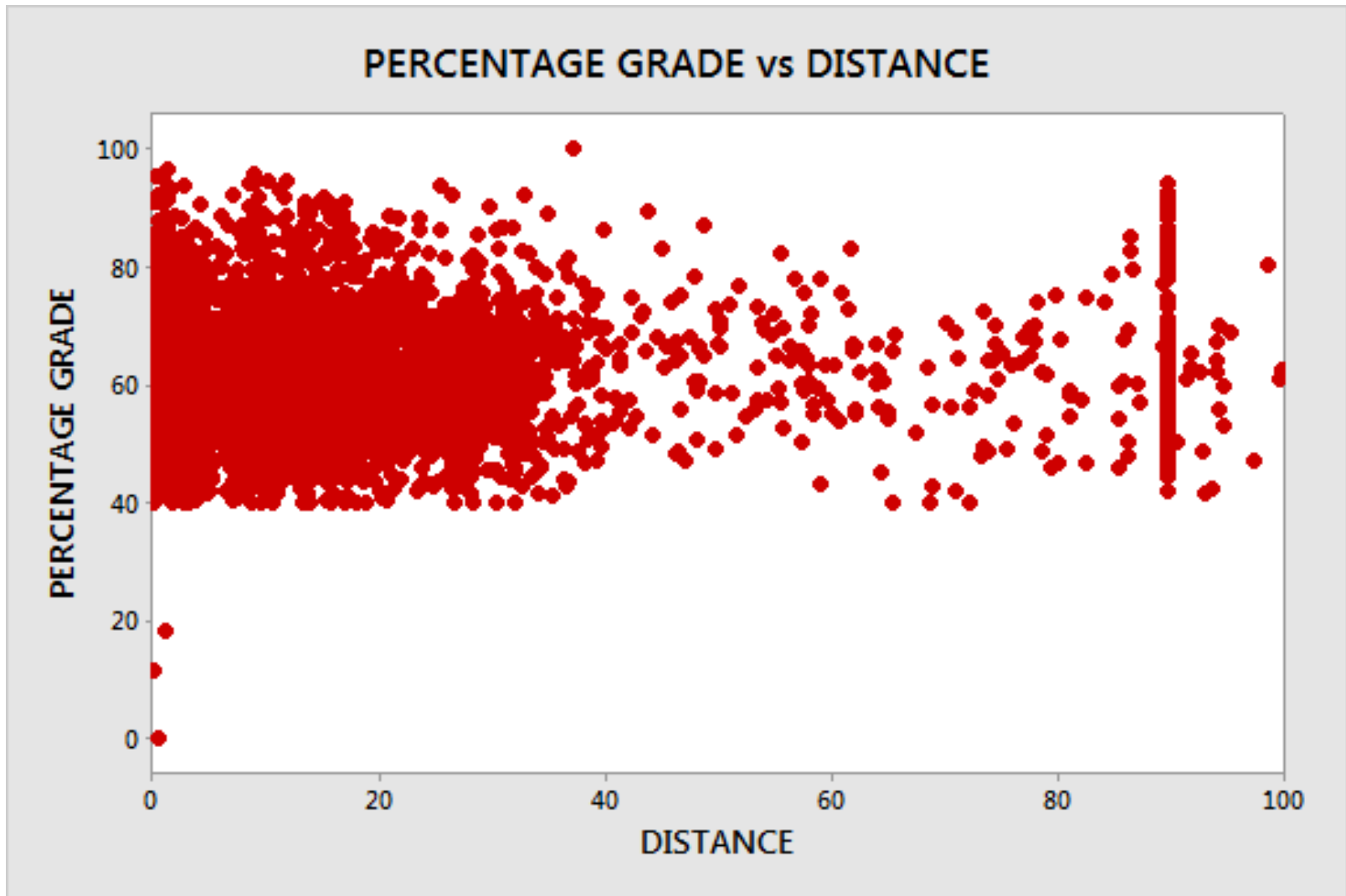


All displayed terms are in the model.

Analysis of Variance

Source	DF	Adj SS	Adj MS	F-Value	P-Value
ETH_GROUP	4	9159	2289.63	31.05	0.000
STU_GEND	1	44	44.07	0.60	0.440
ETH_GROUP*STU_GEND	4	239	59.76	0.81	0.518
Error	4171	307562	73.74		
Total	4180	318495			

Does commute distance influence degree grade?



Data unreliable

What then of the gap?

It still exists but appears to have shrunk a little (odds ratio)

Median mark differs between BME and White by about 4% (stat significant)

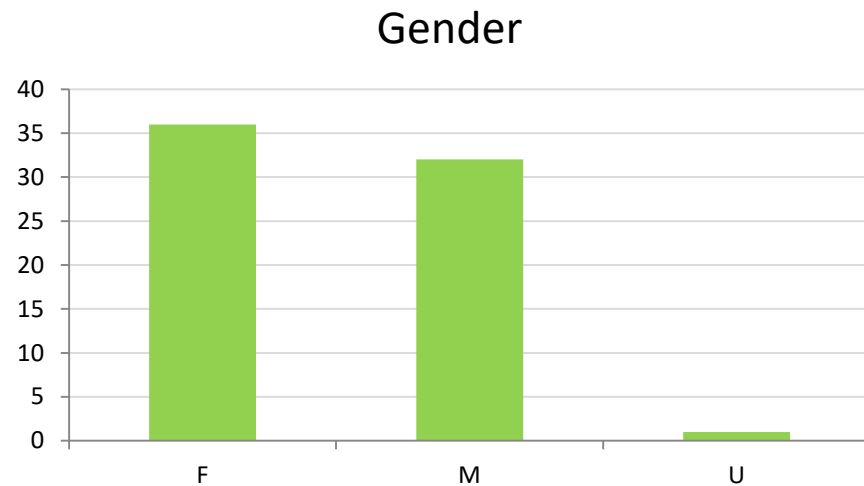
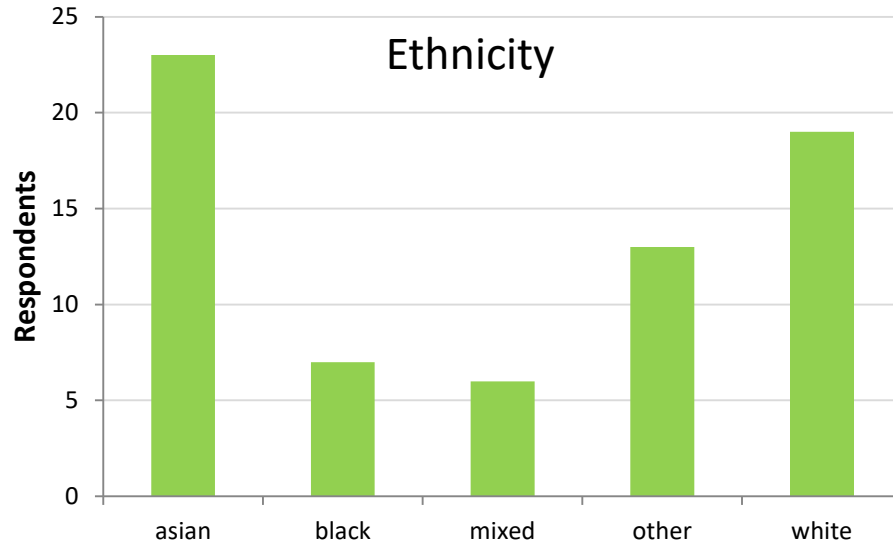
Count of good degrees is sensitive to the shape of the marks distribution: determined at the margins

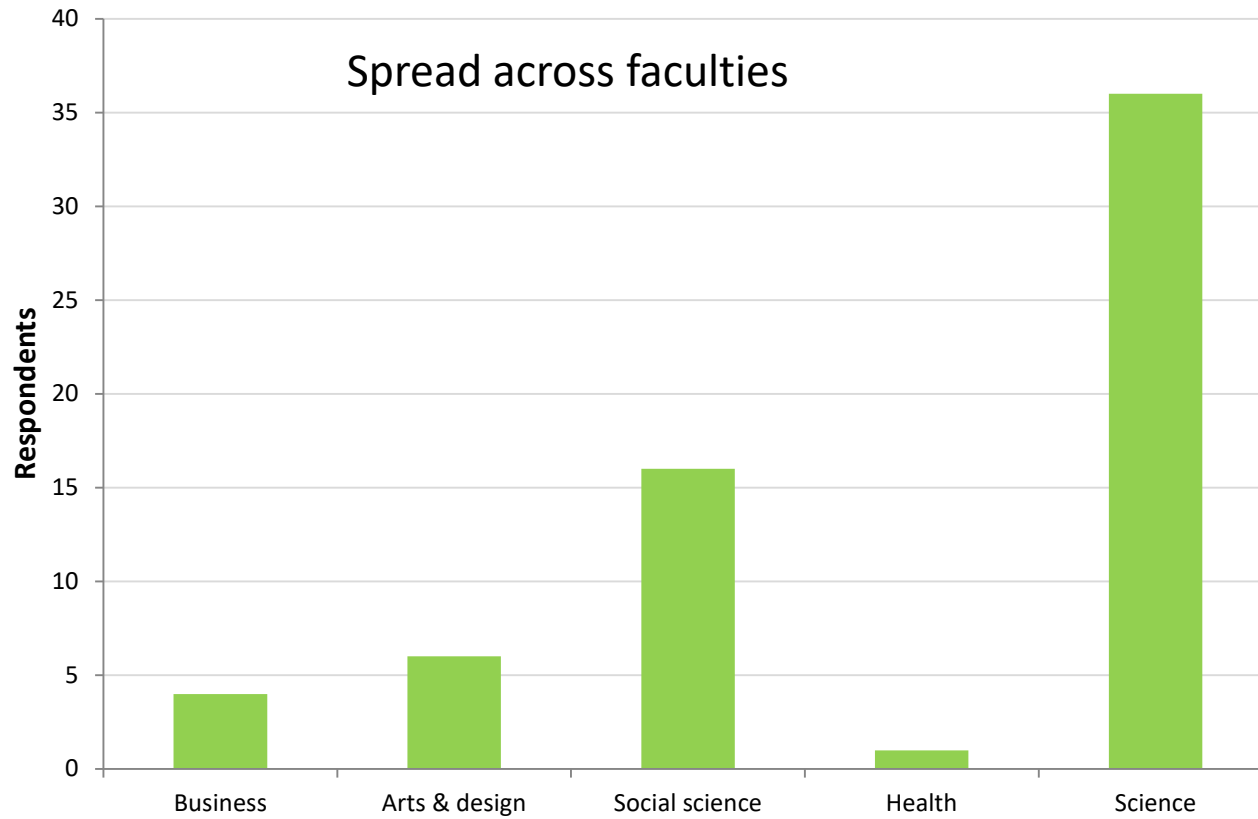
Student questionnaire on motivation

Questions on motivation, level of confidence put to students earlier this year.

Questionnaire responses

Ethnicity	Respondents
asian	23
black	7
mixed	6
other	13
white	19
not answered	2
BME	49
White	19



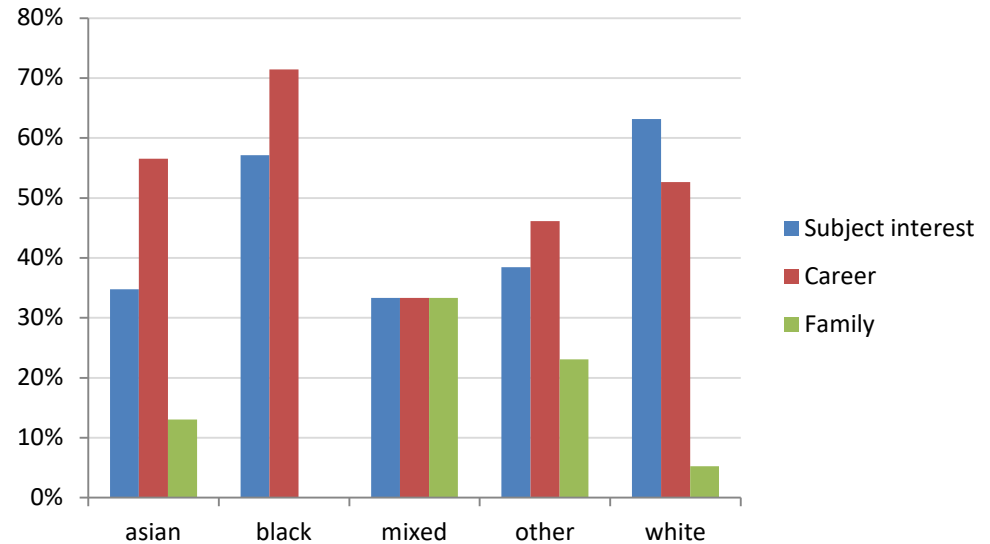


What was your motivation to go to university?

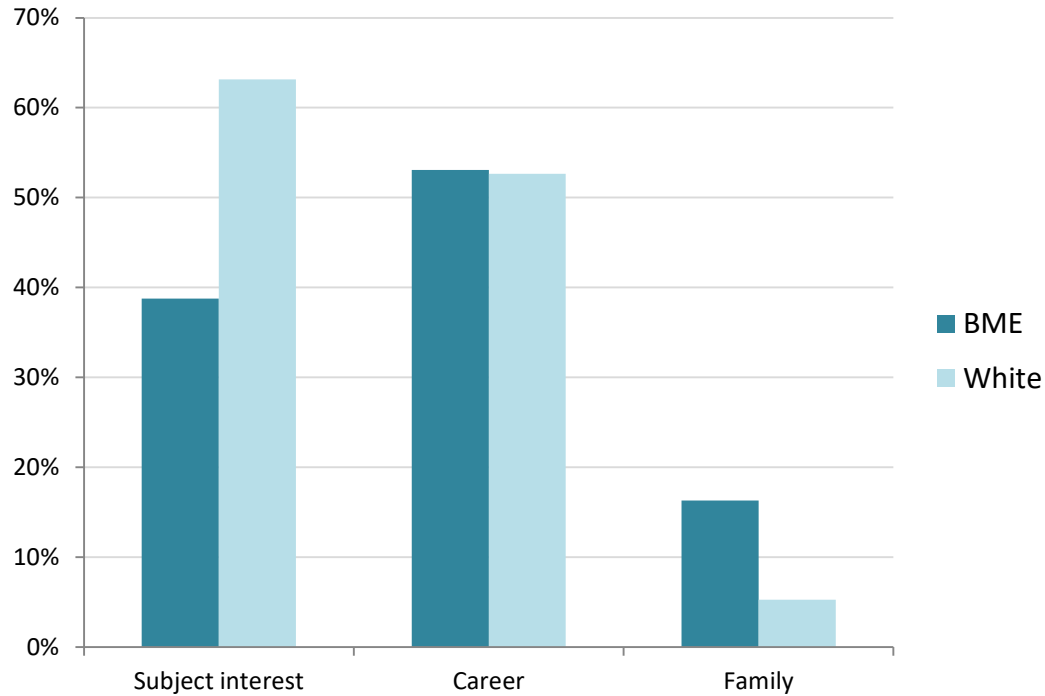
- Interest in subject
- Career benefits
- Family pressure
- Peer pressure
- No satisfactory alternatives
- Other (please specify)

	Subject interest	Career	Family
asian	8	13	3
black	4	5	0
mixed	2	2	2
other	5	6	3
white	12	10	1

	Subject interest	Career	Family
asian	35%	57%	13%
black	57%	71%	0%
mixed	33%	33%	33%
other	38%	46%	23%
white	63%	53%	5%
BME	39%	53%	16%
White	63%	53%	5%

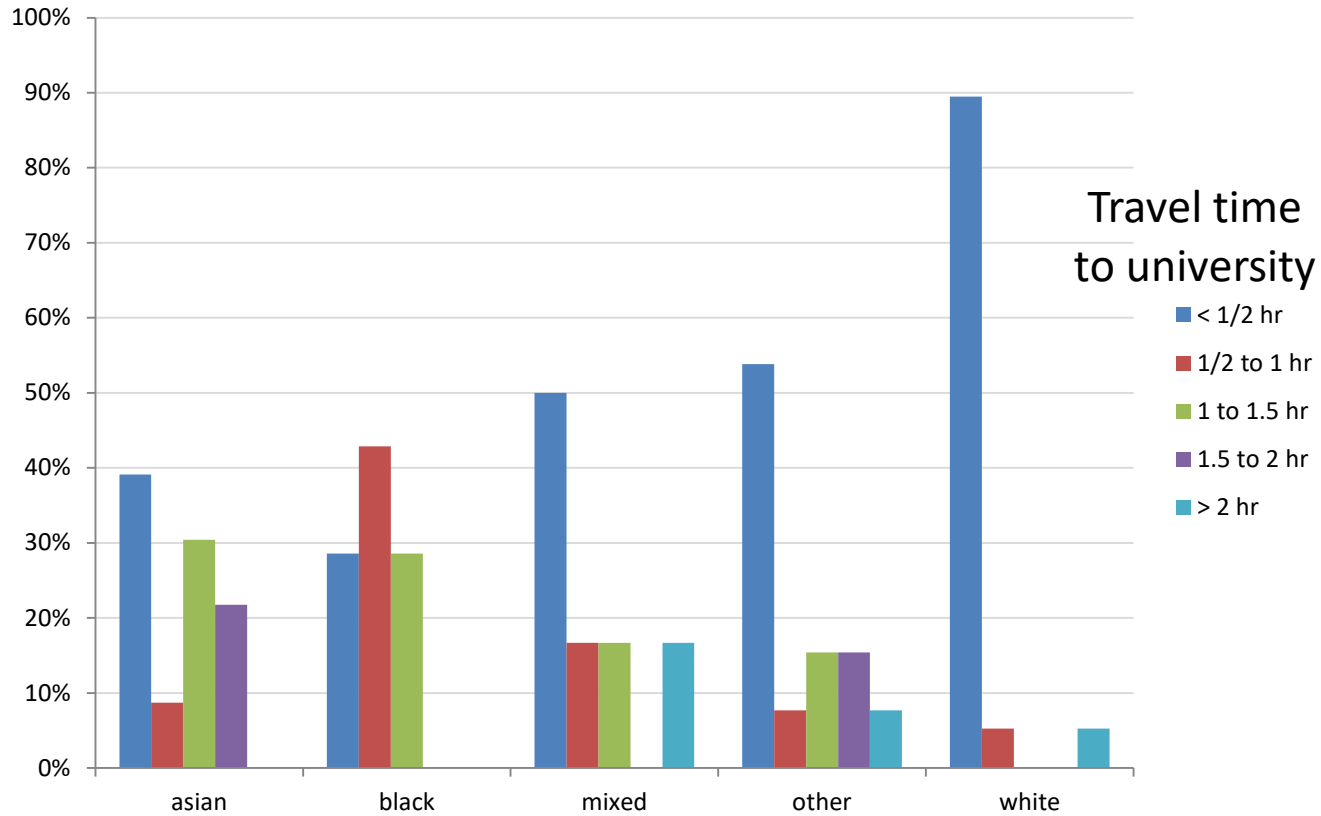


Motivation to study

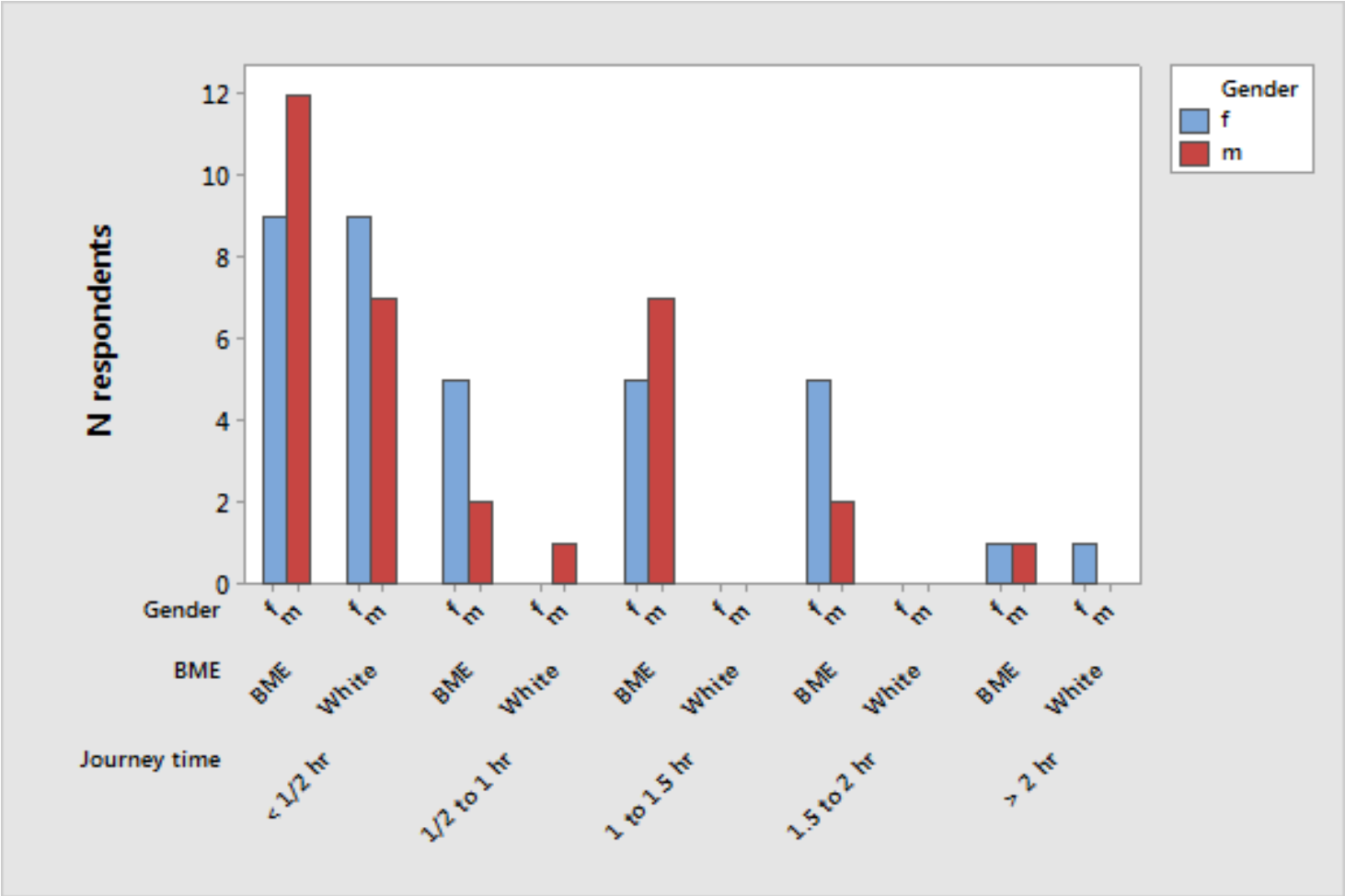


Not statistically significant difference (but sample too small to judge)

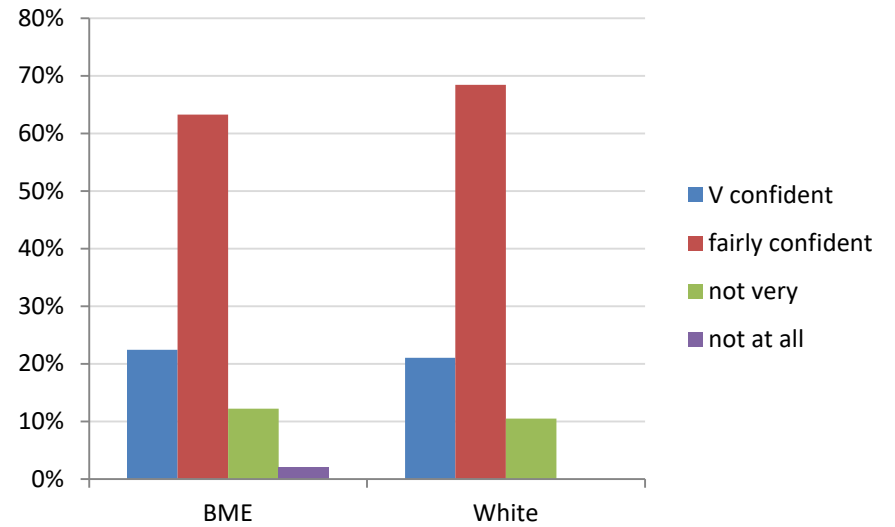
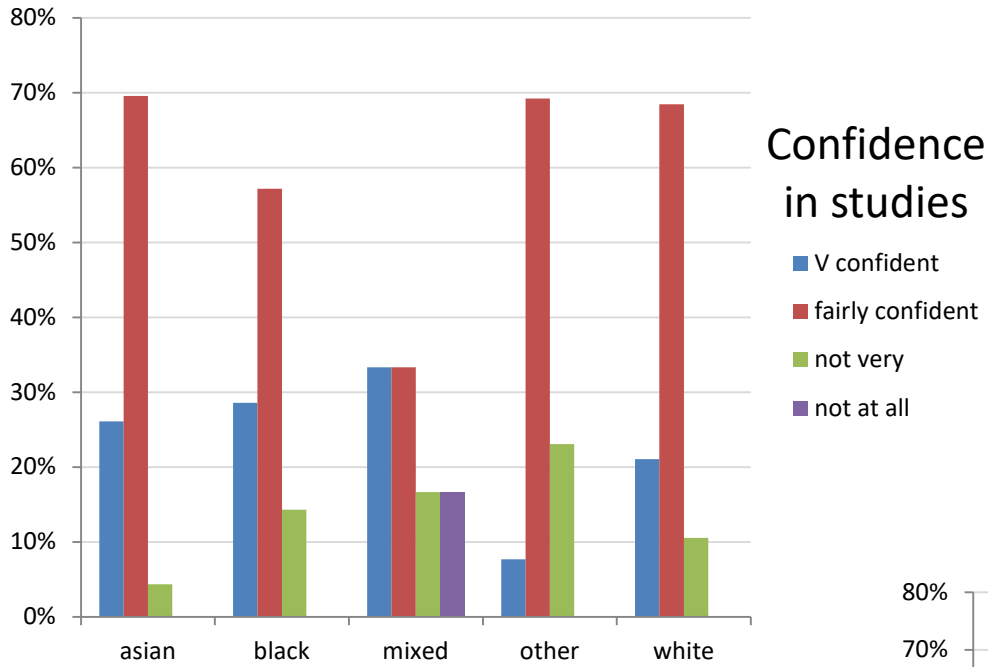
Commute time



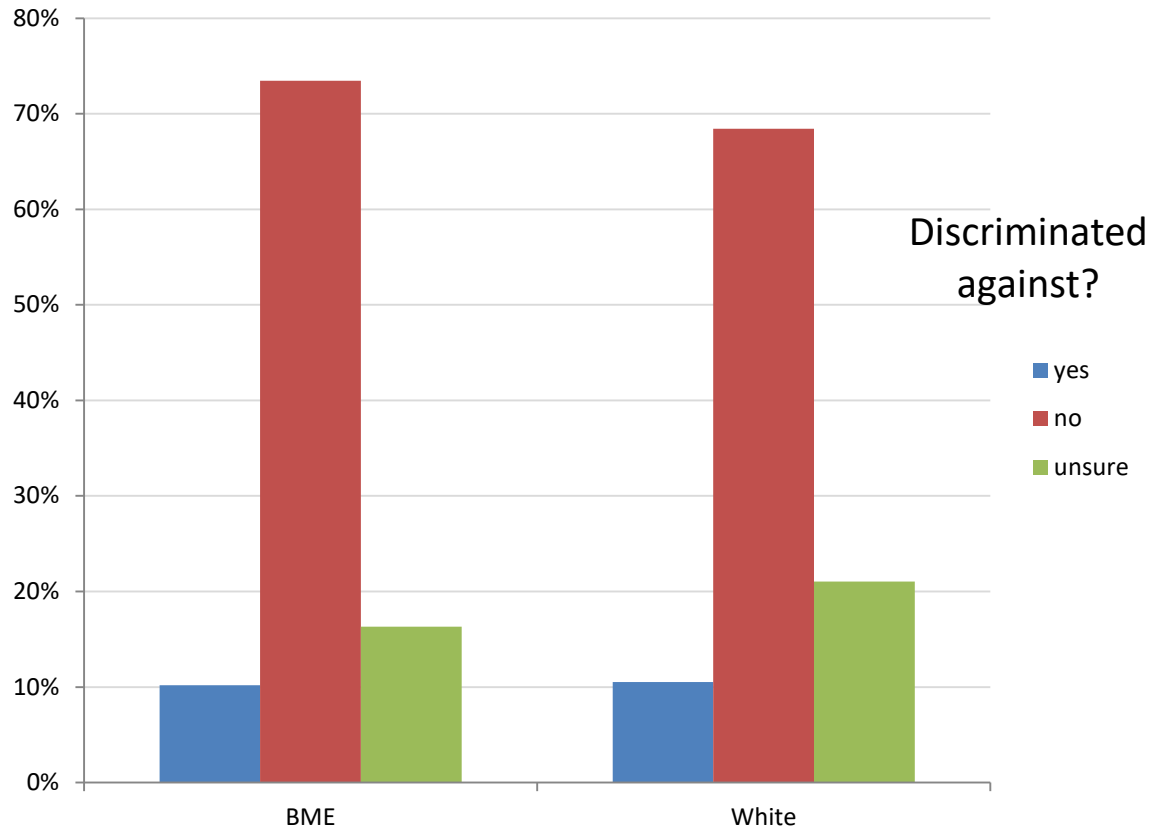
Commute time



Self confidence



Perception of discrimination



No difference apparent between faculties