

**Web table B** Descriptive statistics and Mann Whitney tests of UKCAT and A-level scores against binary socio-economic variables

	<b>Score for Verbal Reasoning</b>	<b>Score for Quantitative Reasoning</b>	<b>Score for Abstract Reasoning</b>	<b>Score for Decision Analysis</b>	<b>Total score for all Sections</b>	<b>A-levels total tariff</b>	<b>A-levels total science tariff *</b>	<b>A-levels average tariff score</b>	<b>A-levels average science tariff *</b>
<b>Gender (n=9884)</b>									
Male	600 (550-660)	630 (580-670)	600 (560-650)	590 (530-660)	2440 (2280-2590)	360 (320-440)	340 (240-360)	115 (107-120)	115 (107-120)
Female	600 (530-650)	600 (560-640)	610 (560-660)	590 (530-660)	2400 (2240-2560)	360 (320-400)	280 (220-360)	113 (107-120)	113 (100-120)
Z	-8.24	-18.09	-5.11	-1.35	-7.27	-5.07	-15.52	-2.19	-3.22
Asymp. Sig. (2-tailed)	<0.001	<0.001	<0.001	0.176	<0.001	<0.001	<0.001	0.028	0.001
<b>Ethnicity (n=9735)</b>									
White	620 (570-660)	620 (580-660)	610 (560-660)	620 (550-670)	2460 (2320-2610)	360 (340-440)	320 (240-360)	115 (107-120)	120 (107-120)
Non-White	570 (510-620)	600 (550-640)	600 (550-650)	580 (520-640)	2350 (2160-2500)	360 (320-400)	320 (220-360)	113 (100-120)	113 (100-120)
Z	-28.83	-13.71	-9.41	-18.05	-24.41	-10.19	-1.05	-12.78	-12.71
Asymp. Sig. (2-tailed)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.390	<0.001	<0.001
<b>Socio-economic status (n= 7005)</b>									
Professional/managerial	610 (560-660)	620 (570-660)	610 (560-660)	620 (550-660)	2450 (2300-2600)	360 (340-440)	320 (240-360)	115 (107-120)	120 (107-120)
All other groups	580 (530-640)	610 (560-640)	600 (560-650)	590 (530-640)	2380 (2230-2540)	360 (320-380)	300 (220-360)	113 (100-120)	113 (100-120)
Z	-8.61	-5.90	-4.84	-7.99	-9.51	-7.43	-4.23	-8.41	-8.26

Asymp. Sig. (2-tailed)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Schooling (n=9790)									
Independent/ Grammar schooling	610 (560- 660)	620 (580- 670)	620 (570- 680)	620 (550- 670)	2460 (2320- 2610)	360 (340- 460)	340 (240- 360)	120 (110- 120)	120 (110- 120)
All other schooling	580 (530- 650)	600 (560- 640)	600 (550- 650)	580 (520- 640)	2380 (2210- 2540)	360 (320- 400)	300 (220- 360)	113 (100- 120)	110 (100- 120)
Z	-12.07	-13.90	-13.11	-14.08	-18.13	-15.22	-12.98	-21.86	-21.03
Asymp. Sig. (2-tailed)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

All UKCAT and A-level point scores are shown as median (inter-quartile range) Using the Bonferroni correction for multiple comparisons, only values of  $p < 0.005$  are considered significant

\*21 students had no recorded passes in science A-levels, therefore 'n' is slightly lower in each case.