

Appendix 3.3: Regression analysis tables (HESA's Student Records and DLHE Survey, 2015-16 to 2016-17)

CITING THIS REPORT:

Roberta Comunian, Tamsyn Dent, Dave O'Brien, Tessa Read and Natalie Wreyford (2023). *Making the Creative Majority: A report for the All-Party Parliamentary Group for Creative Diversity on 'What Works' to support diversity and inclusion in creative education and the talent pipeline, with a focus on the 16+ age category.*

ACCESSED HERE:

<https://www.kcl.ac.uk/cultural/projects/creative-majority-education>

Table 3a: Propensity to Study a Creative Arts Subject

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Female	0.001 (0.006)						0.003 (0.006)	0.003 (0.006)	-0.006 (0.006)	-0.008 (0.005)
Minority		-0.058*** (0.009)								
Black			-0.047*** (0.010)				-0.051*** (0.010)	-0.066*** (0.009)	-0.074*** (0.011)	-0.087*** (0.010)
Asian			-0.095*** (0.010)				-0.099*** (0.008)	-0.098*** (0.008)	-0.094*** (0.009)	-0.100*** (0.011)
Other - Mixed			-0.035*** (0.010)				-0.040*** (0.010)	-0.044*** (0.009)	-0.048*** (0.010)	-0.060*** (0.010)
Disabled				0.067*** (0.011)						
Physical					0.020** (0.008)		0.023*** (0.009)	0.019** (0.009)	0.015 (0.010)	0.021*** (0.006)
Mental					0.066*** (0.011)		0.061*** (0.011)	0.065*** (0.011)	0.068*** (0.010)	0.045*** (0.006)
Long-term					0.008* (0.005)		0.005 (0.005)	0.002 (0.005)	0.003 (0.005)	-0.000 (0.004)
Multiple					0.031 (0.032)		0.061*** (0.016)	0.058*** (0.015)	0.065*** (0.014)	0.037*** (0.007)
Learning					0.095*** (0.015)		0.085*** (0.014)	0.079*** (0.014)	0.074*** (0.013)	0.042*** (0.005)
Other					0.018 (0.013)		0.024** (0.011)	0.022** (0.010)	0.022** (0.009)	0.010* (0.006)
Medium SES						0.005 (0.005)	0.015*** (0.004)	-0.001 (0.002)	-0.010*** (0.003)	-0.009*** (0.002)
Low SES						0.007 (0.004)	0.015*** (0.004)	0.002 (0.003)	-0.003 (0.003)	-0.007*** (0.002)
Constant	0.155*** (0.011)	0.168*** (0.013)	0.168*** (0.013)	0.146*** (0.010)	0.146*** (0.010)	0.158*** (0.012)	0.156*** (0.012)	0.077*** (0.010)	0.059*** (0.007)	0.193*** (0.010)
Observations	524,445	524,555	502,480	524,555	524,555	489,090	468,615	468,615	468,615	468,615
Cohort FE	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Mission FE	No	No	No	No	No	No	No	No	Yes	No
University FE	No	No	No	No	No	No	No	No	No	Yes
Tariff	No	No	No	No	No	No	No	Yes	Yes	Yes

Notes: Source: Linked HESA Student Records - HESA DLHE Survey. Sample sizes are rounded to the closest multiplier of 5. Dependent variable is a dummy variable that takes the value of 1 if a student is studying for a degree in Creative Arts and 0 otherwise. Baseline for ethnicity is White, for Disability it is no disability and for SES, it is High SES. Standard errors are clustered at university level. Standard errors are in parentheses. * p < 0.1, ** p < 0.05, *** p < 0.01

Table 3b: Academic Outcomes

	First	Good	Dropout
Female	-0.011** (0.005)	0.022*** (0.005)	-0.002** (0.001)
Black	-0.161*** (0.008)	-0.219*** (0.010)	0.003** (0.001)
Asian	-0.138*** (0.006)	-0.174*** (0.010)	0.007*** (0.002)
Other - Mixed	-0.102*** (0.015)	-0.138*** (0.019)	0.002 (0.003)
Physical	0.010 (0.016)	-0.002 (0.014)	-0.003 (0.003)
Mental	-0.028*** (0.010)	-0.018* (0.009)	0.000 (0.002)
Long-term	-0.011 (0.015)	-0.007 (0.013)	0.008* (0.004)
Multiple	-0.038** (0.016)	-0.046*** (0.014)	0.003 (0.004)
Learning	-0.033*** (0.006)	-0.028*** (0.005)	0.001 (0.001)
Other	-0.015 (0.017)	-0.027** (0.014)	-0.003 (0.003)
Medium SES	-0.025*** (0.004)	-0.020*** (0.004)	0.001 (0.001)
Low SES	-0.011** (0.004)	-0.018*** (0.004)	0.001 (0.001)
Constant	0.590*** (0.015)	0.943*** (0.009)	0.010*** (0.002)
Observations	73,395	73,395	74,165
Year FE	Yes	Yes	Yes
Mission FE	No	No	No
University FE	Yes	Yes	Yes
Tariff	Yes	Yes	Yes

Notes: Source: Linked HESA Student Records - HESA DLHE Survey. Sample sizes are rounded to the closest multiplier of 5. Dependent variables are dummy variables that take the value of 1 if a student achieves the outcome and 0 otherwise. Good is defined as achieving a first or an upper second degree. Sample for the first two columns consists of those who graduated from a creative subject while the last column includes all the students who enrolled into a university to study for creative subject. Baseline for ethnicity is White, for Disability it is no disability and for SES, it is High SES. Standard errors are clustered at university level. Standard errors are in parentheses. * p < 0.1, ** p < 0.05, *** p < 0.01

Table 3c: Employment Outcomes

	FT Work	Employed	Unemployed	Study
Female	-0.016** (0.006)	0.005 (0.004)	-0.015*** (0.002)	0.005 (0.004)
Black	-0.106*** (0.012)	-0.055*** (0.008)	0.028*** (0.005)	0.032*** (0.007)
Asian	-0.095*** (0.011)	-0.078*** (0.009)	0.041*** (0.006)	0.017** (0.007)
Other - Mixed	-0.120*** (0.019)	-0.104*** (0.019)	0.053*** (0.010)	0.062*** (0.015)
Physical	-0.087*** (0.018)	-0.082*** (0.022)	0.036*** (0.012)	0.048*** (0.016)
Mental	-0.116*** (0.010)	-0.057*** (0.009)	0.034*** (0.006)	0.052*** (0.008)
Long-term	-0.087*** (0.015)	-0.052*** (0.015)	0.012* (0.007)	0.041*** (0.013)
Multiple	-0.146*** (0.017)	-0.148*** (0.018)	0.057*** (0.013)	0.079*** (0.016)
Learning	-0.044*** (0.009)	-0.029*** (0.005)	0.014*** (0.003)	0.008* (0.004)
Other	-0.062*** (0.016)	-0.051*** (0.015)	0.017* (0.009)	0.026** (0.012)
Medium SES	-0.004 (0.004)	-0.002 (0.003)	0.005*** (0.002)	-0.006* (0.004)
Low SES	-0.019*** (0.005)	-0.018*** (0.004)	0.012*** (0.002)	0.006 (0.003)
Constant	0.594*** (0.006)	0.818*** (0.005)	0.035*** (0.003)	0.156*** (0.005)
Observations	70,395	70,395	70,395	70,395
Cohort FE	Yes	Yes	Yes	Yes
Mission FE	No	No	No	No
University FE	Yes	Yes	Yes	Yes
Degree C FE	Yes	Yes	Yes	Yes

Notes: Source: Linked HESA Student Records - HESA DLHE Survey. Sample sizes are rounded to the closest multiplier of 5. Dependent variables are dummy variables that take the value of 1 if a graduate achieves the outcome and 0 otherwise. Sample is all graduates who completed DLHE survey. Baseline for ethnicity is White, for Disability it is no disability and for SES, it is High SES. Standard errors are clustered at university level. Standard errors are in parentheses. * p < 0.1, ** p < 0.05, *** p < 0.01

Table 3d: Propensity to Work in a Creative Job - All Students

	Creative Occupation	Creative Industry	Specialist Creative	Support Worker	Embedded Creative
Female	-0.061*** (0.005)	-0.057*** (0.004)	-0.042*** (0.003)	-0.015*** (0.001)	-0.019*** (0.003)
Black	-0.036*** (0.006)	-0.015*** (0.005)	-0.016*** (0.004)	0.001 (0.002)	-0.019*** (0.003)
Asian	-0.038*** (0.005)	-0.024*** (0.005)	-0.025*** (0.003)	0.002 (0.002)	-0.012*** (0.003)
Other - Mixed	0.001 (0.007)	0.007 (0.008)	0.007 (0.007)	0.000 (0.005)	-0.006 (0.005)
Physical	0.017* (0.009)	0.015* (0.008)	0.007 (0.007)	0.009* (0.005)	0.011* (0.006)
Mental	0.023*** (0.005)	0.015*** (0.005)	0.008* (0.004)	0.007** (0.003)	0.015*** (0.004)
Long-term	0.005 (0.006)	0.001 (0.006)	0.004 (0.005)	-0.002 (0.003)	0.001 (0.004)
Multiple	0.023** (0.009)	0.012 (0.008)	0.013* (0.008)	-0.001 (0.005)	0.010 (0.008)
Learning	0.015*** (0.003)	0.013*** (0.004)	0.011*** (0.003)	0.001 (0.002)	0.003 (0.002)
Other	0.011 (0.008)	0.013* (0.007)	0.012** (0.006)	0.001 (0.004)	-0.001 (0.005)
Medium SES	-0.020*** (0.002)	-0.016*** (0.002)	-0.009*** (0.001)	-0.006*** (0.001)	-0.010*** (0.002)
Low SES	-0.014*** (0.002)	-0.011*** (0.002)	-0.006*** (0.002)	-0.005*** (0.001)	-0.007*** (0.002)
Constant	0.253*** (0.006)	0.194*** (0.005)	0.144*** (0.004)	0.050*** (0.001)	0.109*** (0.003)
Observations	236,250	236,420	236,250	236,250	236,250
Cohort FE	Yes	Yes	Yes	Yes	Yes
Mission FE	No	No	No	No	No
University FE	Yes	Yes	Yes	Yes	Yes
Degree C FE	Yes	Yes	Yes	Yes	Yes

Notes: Source: Linked HESA Student Records - HESA DLHE Survey. Sample sizes are rounded to the closest multiplier of 5. Dependent variables are dummy variables that take the value of 1 if a graduate achieves the outcome and 0 otherwise. Sample is all graduates who completed DLHE survey. Baseline for ethnicity is White, for Disability it is no disability and for SES, it is High SES. Standard errors are clustered at university level. Standard errors are in parentheses. * p <0.1, ** p <0.05, *** p <0.01

Table 3e: Propensity to Work in a Creative Job - Creative Subject Students

	Creative Occupation	Creative Industry	Specialist Creative	Support Worker	Embedded Creative
Female	-0.022* (0.012)	-0.070*** (0.011)	-0.071*** (0.011)	0.002 (0.002)	0.049*** (0.007)
Black	0.011 (0.013)	0.052*** (0.014)	0.034** (0.014)	0.018** (0.008)	-0.023** (0.010)
Asian	0.051*** (0.014)	0.042*** (0.013)	0.052*** (0.014)	-0.010* (0.006)	-0.000 (0.009)
Other - Mixed	0.121*** (0.026)	0.108*** (0.023)	0.124*** (0.024)	-0.016 (0.011)	-0.003 (0.018)
Physical	0.025 (0.027)	0.068** (0.027)	0.035 (0.025)	0.033* (0.017)	-0.010 (0.020)
Mental	-0.005 (0.017)	0.012 (0.016)	0.001 (0.014)	0.011 (0.009)	-0.007 (0.014)
Long-term	0.008 (0.022)	0.007 (0.021)	0.007 (0.020)	0.001 (0.011)	0.001 (0.015)
Multiple	-0.007 (0.027)	-0.021 (0.025)	0.002 (0.024)	-0.023** (0.011)	-0.009 (0.024)
Learning	0.009 (0.008)	0.017** (0.009)	0.013* (0.008)	0.004 (0.004)	-0.004 (0.006)
Other	0.006 (0.020)	0.026 (0.022)	0.026 (0.019)	-0.000 (0.011)	-0.020 (0.016)
Medium SES	-0.029*** (0.006)	-0.021*** (0.006)	-0.021*** (0.006)	-0.000 (0.003)	-0.008 (0.005)
Low SES	-0.030*** (0.007)	-0.014** (0.007)	-0.015** (0.007)	0.001 (0.003)	-0.015*** (0.005)
Constant	0.590*** (0.011)	0.488*** (0.009)	0.428*** (0.009)	0.060*** (0.003)	0.162*** (0.007)
Observations	37,630	37,665	37,630	37,630	37,630
Cohort FE	Yes	Yes	Yes	Yes	Yes
Mission FE	No	No	No	No	No
University FE	Yes	Yes	Yes	Yes	Yes
Degree C FE	Yes	Yes	Yes	Yes	Yes

Notes: Source: Linked HESA Student Records - HESA DLHE Survey. Sample sizes are rounded to the closest multiplier of 5. Dependent variables are dummy variables that take the value of 1 if a graduate achieves the outcome and 0 otherwise. Sample is all graduates who completed DLHE survey and studied a creative subject for their undergraduate degree. Baseline for ethnicity is White, for Disability it is no disability and for SES, it is High SES. Standard errors are clustered at university level. Standard errors are in parentheses. * p < 0.1, ** p < 0.05, *** p < 0.01