The association between residential arrangements and academic performance in UK university students

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Table 1. Descriptives

| Predictor                      | Categories                      | N   | %   |
|--------------------------------|---------------------------------|-----|-----|
| Gender                         | Male                            | 7033| 48.3|
|                                | Female                          | 7520| 51.7|
| Age                            | <21 years                       | 10803| 74.2|
|                                | ≥21 years                       | 3750 | 25.8|
| Residential status             | Commuter Students               | 3137 | 21.6|
|                                | Living at Home Students         | 1231 | 8.5 |
|                                | Relocated Students              | 10185| 70.0|
| Parental occupation            | Managerial and professional     | 5646 | 38.8|
|                                | Intermediate                    | 1576 | 10.8|
|                                | Routine and manual              | 3200 | 22.0|
|                                | Unknown                         | 4131 | 28.4|
| Year of programme              | 0 (Foundation)                 | 455  | 3.1 |
|                                | 1                               | 4678 | 32.1|
|                                | 2                               | 4137 | 28.4|
|                                | 3                               | 3111 | 21.4|
|                                | 4                               | 2039 | 14.0|
|                                | 5                               | 133  | 0.9 |
| Academic performance at entry  | At or below the departmental median | 6248 | 42.9|
|                                | Above the median                | 5609 | 38.5|
|                                | Missing or atypical             | 2696 | 18.5|
Table 2. Logistic regression analyses of the proportion of students with a 100% Pass Rate (stratified by age and gender)

| Predictor                | Reference category | All students ≥21 years (n=3750) OR 95% CIs | Male students <21 years (n=5565) OR 95% CIs | Female students <21 years (n=5238) OR 95% CIs |
|--------------------------|--------------------|-------------------------------------------|-------------------------------------------|------------------------------------------------|
| Gender                   | Male vs Female     | 1.03 0.89 – 1.19                          | n/a n/a                                   | n/a n/a                                         |
| Residential status       | Commuter Students vs Living at Home Students | 0.95 0.79 – 1.15                          | 0.88 0.63 – 1.23                          | 1.12 0.79 – 1.59                                |
|                          |                    |                                           | 0.80 0.75 – 1.07                          | 0.78 0.53 – 1.14                                |
|                          |                    |                                           |                                           | 0.57** 0.38 – 0.84                              |
| Academic performance at entry | Departmental median or below vs Above median | 1.75*** 1.34 – 2.30 | 1.47*** 1.29 – 1.67                   | 1.51*** 1.30 – 1.75                              |
|                          |                    |                                           |                                           | 0.87 0.70 – 1.08                                |
|                          |                    |                                           |                                           | 0.78 0.63 – 0.87                                |
|                          |                    |                                           |                                           | 0.73** 0.60 – 0.87                              |
| Parental occupation      | Managerial/professional vs Intermediate | 1.17 0.90 – 1.55                          | 0.87 0.70 – 1.08                          | 0.88 0.68 – 1.12                                |
|                          |                    |                                           |                                           | 0.87 0.70 – 1.09                                |
|                          |                    |                                           |                                           | 0.74*** 0.63 – 0.87                              |
|                          |                    |                                           |                                           | 0.73** 0.60 – 0.87                              |
|                          | Routine/manual     | 0.87 0.70 – 1.09                          | 0.74*** 0.63 – 0.87                       | 0.73** 0.60 – 0.87                                |
|                          | Unknown            | 0.80* 0.65 – 0.98                         | 0.75*** 0.64 – 0.88                       | 0.80* 0.66 – 0.97                                |
|                          |                    |                                           |                                           |                                                |
| Year of programme        | 0-1 vs 2-3         | 1.00 0.86 – 1.16                          | 1.45*** 1.26 – 1.66                       | 1.37*** 1.17 – 1.60                              |
|                          |                    |                                           |                                           | 1.37*** 1.17 – 1.60                              |
|                          | 4-5                | 1.34* 1.04 – 1.72                         | 1.50*** 1.25 – 1.79                       | 1.64*** 1.28 – 2.10                              |

*p < .05   **p < .01   ***p < .001
## Table 3. Logistic regression analyses of the proportion of students whose performance was consistent with Good Degree Performance (stratified by age and gender)

| Predictor                  | Reference category | All students ≥21 years (n=2247) | Male students <21 years (n=3828) | Female students <21 years (n=3884) |
|----------------------------|--------------------|----------------------------------|----------------------------------|-----------------------------------|
|                            |                    | OR | 95% CIs | OR | 95% CIs | OR | 95% CIs |
| Gender                     | Male vs Female     | 1.10 | 0.90 – 1.35 | n/a | n/a | n/a | n/a |
| Residential status         | Commuter Students vs Living at Home Students | 1.29 | 0.99 – 1.68 | 1.90** | 1.22 – 2.96 | 1.48* | 1.01 – 2.15 |
|                            | Relocated Students | 1.14 | 0.91 – 1.43 | 1.21 | 0.95 – 1.53 | 1.71*** | 1.34 – 2.17 |
| Academic performance at entry | Departmental median or below vs Above median | 1.23 | 0.87 – 1.74 | 1.67*** | 1.44 – 1.93 | 1.83*** | 1.56 – 2.15 |
|                            | Missing/atypical  | 0.87 | 0.68 – 1.10 | 0.83 | 0.52 – 1.31 | 0.94 | 0.58 – 1.53 |
| Parental occupation        | Managerial/ professional vs Intermediate | 0.99 | 0.67 – 1.46 | 0.81 | 0.64 – 1.02 | 1.23 | 0.91 – 1.64 |
|                            | Routine/manual     | 0.74 | 0.54 – 1.03 | 0.93 | 0.76 – 1.12 | 0.72** | 0.59 – 0.88 |
|                            | Unknown             | 0.59** | 0.44 – 0.80 | 1.01 | 0.84 – 1.22 | 0.71*** | 0.58 – 0.87 |
| Year of programme          | 0-1 vs 2-3         | 0.80* | 0.64 – 0.99 | 0.74*** | 0.63 – 0.87 | 0.80* | 0.67 – 0.96 |
|                            | 2-3 vs 4-5         | 0.91 | 0.67 – 1.25 | 0.86 | 0.71 – 1.04 | 0.88 | 0.69 – 1.12 |

*p <.05  **p <.01  ***p <.001