**Table S1**

*Descriptive Analysis of Missing Data* (*n* = 290)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Variable | N of missingness | % Missing | Mean | *SD* | Scale |
| PGM | 144 | 49.7 | 5.58 | 1.25 | Numerical (1 to 7) |
| AGM | 7 | 2.4 | 5.48 | 1.59 | Numerical (1 to 7) |
| PEB | 132 | 45.5 | 5.90 | 1.25 | Numerical (1 to 7) |
| PUV | 133 | 45.9 | 6.61 | 0.54 | Numerical (1 to 7) |
| AEB1 | 0 | 0 | 5.85 | 1.12 | Numerical (1 to 7) |
| AEB2 | 1 | 0.3 | 5.24 | 0.91 | Numerical (1 to 7) |
| AEB3 | 0 | 0 | 5.33 | 1.52 | Numerical (1 to 7) |
| AEB4 | 4 | 1.4 | 5.97 | 1.05 | Numerical (1 to 7) |
| AEB5 | 0 | 0 | 5.77 | 1.06 | Numerical (1 to 7) |
| AUV1 | 1 | 0.3 | 5.26 | 1.29 | Numerical (1 to 7) |
| AUV2 | 0 | 0 | 6.10 | 0.88 | Numerical (1 to 7) |
| AUV3 | 0 | 0 | 5.71 | 1.01 | Numerical (1 to 7) |
| MCSE - MATH | 0 | 0 | 3.37 | 1.58 | Numerical (1 to 6) |
| MCSE - CS | 2 | 0.7 | 2.71 | 1.38 | Numerical (1 to 6) |
| MCSE -STATISTICS | 1 | 0.3 | 3.39 | 1.58 | Numerical (1 to 6) |
| MCSE - ENGINEER | 0 | 0 |  |  | Numerical (1 to 6) |
| AGE | 9 | 3.1 | 15.20 | 1.65 | Numerical (10 to 20) |
| GENDER | 0 | 0 | 3.17 | 1.56 | 0 = Male, 1 = Female |
| P\_GEN | 128 | 44.1 | - | - | 0 = Male, 1 = Female |
| P\_EDU | 138 | 47.6 | - | - | 0 = Secondary school,1 = College or undergraduate,2 = Master or PhD |
| COUNTRY | 0 | 0 | - | - | 0 = the U.S.,1 = the U.K. |
| ETHNICITY | 0 | 0 | - | - | 0 = non-White,1 = White |

*Note.* PGM = parent growth mindset; AGM = adolescent growth mindset; PEB = parent expectancy beliefs; PUV = parent utility value; AEB = adolescent expectancy beliefs; AUV = adolescent utility value; MCSE = math, computer science, statistics, and engineering career interest, CS = computer science, P\_GEN = parent’s gender; P\_EDU = parent’s highest completed education. SD = standard deviation.

**Table S2**

*Missingness Patterns* (*n* = 290)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Variable | Missing % | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| PGM | 49.7 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| P\_EDU | 47.6 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| PUV | 45.9 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| PEB | 45.5 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| P\_GEN | 44.1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| AGE | 3.1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1 |
| AEB4 | 1.4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 |
| MCSE- CS | < 1% | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| AEB2 | < 1% | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| AUV1 | < 1% | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 |
| MCSE- Statistics | < 1% | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 |

*Note.* 0 = missing; 1 = complete. PGM = parent growth mindset; P\_EDU = parent’s highest completed education level; PUV = parent utility value; PEB = parent expectancy beliefs, P\_GEN = parent’s gender; AEB = adolescent expectancy beliefs; MCSE= mathematics, computer science, statistics, and engineering career interest. CS = computer science.