Table 7

*Relationship Between LTA Trajectories and Gender*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | *Sum of Squares* | *df* | *MS* | *F* | *p-value* |
| *Between Groups* | 16.16 | 8 | 2.02 | 8.24 | < .001 |
| *Within Groups* | 757.25 | 3090 | 0.25 |  |  |
| *Total* | 773.41 | 3098 |  |  |  |

Table 8

*Relationship Between LTA Trajectories and Ethnicity*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | *Sum of Squares* | *df* | *MS* | *F* | *p-value* |
| *Between Groups* | 5.16 | 8 | 0.64 | 3.67 | < .01 |
| *Within Groups* | 515.83 | 2939 | 0.18 |  |  |
| *Total* | 520.99 | 2947 |  |  |  |

Table 10

*Relationship Between LTA Trajectories and Grade 12 Mathematics Achievement*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | *Sum of Squares* | *df* | *MS* | *F* | *p-value* |
| *Between Groups* | 27511.85 | 8 | 3438.98 | 16.93 | < .001 |
| *Within Groups* | 235169.54 | 1158 | 203.08 |  |  |
| *Total* | 262681.39 | 1166 |  |  |  |

Table 11

*Relationship Between LTA Trajectories and STEM Career Attainment*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | *Sum of Squares* | *df* | *MS* | *F* | *p-value* |
| *Between Groups* | 6.24 | 8 | 0.78 | 11.14 | < .001 |
| *Within Groups* | 132.81 | 1898 | 0.07 |  |  |
| *Total* | 139.04 | 1906 |  |  |  |

Table 12

*Relationship Between LTA Trajectories and Interest in Social Issues*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | *Sum of Squares* | *df* | *MS* | *F* | *p-value* |
| *Between Groups* | 9.74 | 8 | 1.22 | 5.52 | < .001 |
| *Within Groups* | 357.12 | 1620 | 0.22 |  |  |
| *Total* | 366.86 | 1628 |  |  |  |

Table 13

*Relationship Between LTA Trajectories and Science Opinions and Knowledge*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | *Sum of Squares* | *df* | *MS* | *F* | *p-value* |
| *Between Groups* | 31.86 | 8 | 3.98 | 16.87 | < .001 |
| *Within Groups* | 543.51 | 2303 | 0.24 |  |  |
| *Total* | 575.37 | 2311 |  |  |  |