Supplementary Material

# Supplementary Figures and Tables

**Table 1 Descriptive statistics and results of independent sample t-test**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | | Classroom flow(CF) | | |
| *M* | *SD* | *t* |
| Gender | male | 3.460 | 0.944 | 2.760\*\* |
| female | 3.236 | 0.857 |
| Grade | fresh | 3.111 | 0.845 | -6.574\*\*\* |
| sophos | 3.603 | 0.920 |
| Major | sci-engi | 3.407 | 0.921 | 1.567 |
| hum-soci | 3.238 | 0.901 |

Note: 1. fresh: freshman; sophos: sophomore; sci-engi: science and engineering; hum-soci: humanities and social sciences;

1. number males= 361, number females= 196;number fresh= 251, number sophos8= 306;number sci-engi= 472, number hum-soci= 85;
2. \**p*<0.05, \*\**p*<0.01, \*\*\**p*<0.001.

**Table 2 Path analysis of teacher support on classroom flow**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Estimate | *p*-value | Confidence Interval |
| TS → CF | 0.747 | .000 | [0.684, 0.803] |
| ETS → CF | 0.669 | .009 | [0.587, 0.735] |
| IntS → CF | 0.670 | .002 | [0.575, 0.738] |
| ATS → CF | 0.751 | .010 | [0.692, 0.803] |
| InfS → CF | 0.711 | .009 | [0.646, 0.767] |

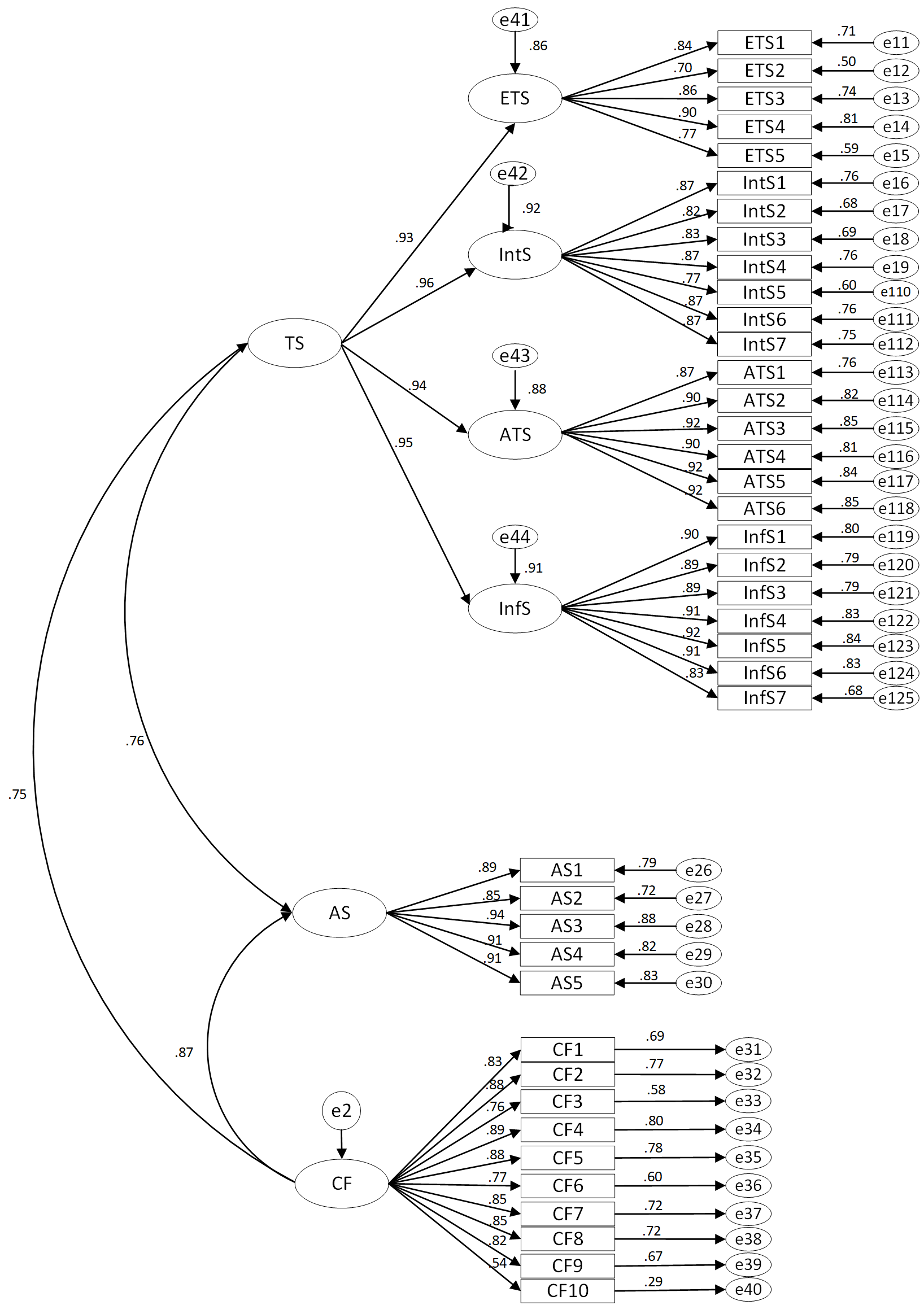
Note: TS: teacher support; CF: classroom flow; ETS: emotional teacher support; InsTS: instrumental teacher support; ATS: appraisal teacher support; InfS: informational teacher support

**Table 3 The mediating effect of academic self-efficacy**

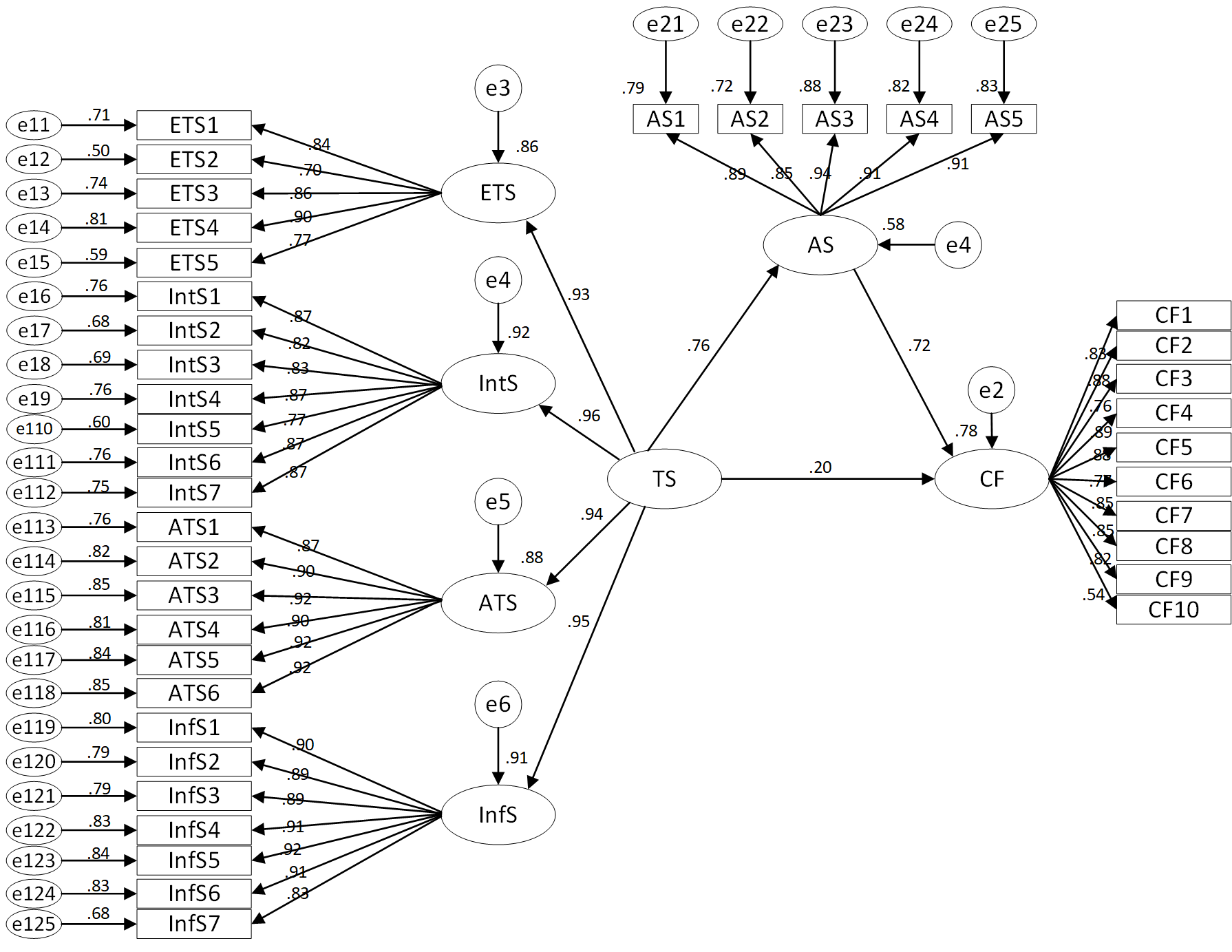
|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Estimate | *p*-value | Confidence Interval | R2 |
| Direct effect |  |  |  |  |
| TS → CF | 0.198 | .000 | [0.107, 0.294] |  |
| TS → AS | 0.762 | .000 | [0.694, 0.818] |  |
| AS → CF | 0.721 | .000 | [0.609, 0.810] |  |
| Indirect effect |  |  |  |  |
| TS → AS → CF | 0.549 | .000 | [0.465, 0.634] | .777 |
| Total effect |  |  |  |  |
| TS → CF | 0.747 | .000 | [0.684, 0.803] | .580 |

Note: TS: teacher support; CF: classroom flow; AS: academic self-efficacy

**Figure 1 Confirmatory factor analysis diagram**

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**Figure 2 Structural equation model with mediating variable**

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