Figure 1: Linkage between Facebook use, social comparisons and depressive symptoms

Depressive Symptoms

Non-directional Social Comparisons

Passive Facebook Use

Active Facebook Use

Table 1: Exploratory factor analysis of items of Facebook use, Social comparison and Depressive

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | 1 | 2 | 3 | 4 | 5 |
| CESD\_7 | .908 |  |  |  |  |
| CESD\_8 | .895 |  |  |  |  |
| CESD\_13 | .873 |  |  |  |  |
| CESD\_5 | .870 |  |  |  |  |
| CESD\_9 | .867 |  |  |  |  |
| CESD\_1 | .849 |  |  |  |  |
| CESD\_2 | .843 |  |  |  |  |
| CESD\_12 | .838 |  |  |  |  |
| CESD\_11 | .829 |  |  |  |  |
| CESD\_3 | .820 |  |  |  |  |
| CESD\_16 | .811 |  |  |  |  |
| CESD\_6 | .805 |  |  |  |  |
| CESD\_10 | .803 |  |  |  |  |
| CESD\_4 | .800 |  |  |  |  |
| CESD\_14 | .792 |  |  |  |  |
| CESD\_15 | .785 |  |  |  |  |
| CESD\_17 | .775 |  |  |  |  |
| CESD\_18 | .685 |  |  |  |  |
| COM\_9 |  | .867 |  |  |  |
| COM\_8 |  | .858 |  |  |  |
| COM\_10 |  | .802 |  |  |  |
| COM\_11 |  | .750 |  |  |  |
| COM\_7 |  | .725 |  |  |  |
| COM\_4 |  | .646 |  |  |  |
| COM\_5 |  | .520 |  |  |  |
| COM\_13 |  | .516 |  |  | -.433 |
| COM\_6 |  | .487 |  |  |  |
| COM\_12 |  | .453 |  |  | -.331 |
| APU\_3 |  |  | .894 |  |  |
| APU\_4 |  |  | .888 |  |  |
| APU\_2 |  |  | .820 |  |  |
| APA\_6 |  |  | .710 |  |  |
| APA\_7 |  |  | .567 | .380 |  |
| APA\_5 |  |  | .324 |  |  |
| P\_10 |  |  |  | .783 |  |
| P\_9 |  |  |  | .746 |  |
| P\_8 |  |  |  | .640 |  |
| FB\_Login |  |  |  | .500 |  |
| P\_11 |  |  |  | .468 |  |
| COM\_1 |  |  |  |  | -.826 |
| COM\_2 |  |  |  |  | -.781 |
| COM\_3 |  |  |  |  | -.754 |
|  |  |  |  |  |  |

Notes: Extraction Method: Principal Component Analysis; Rotation Method: Oblimin with Kaiser Normalization; Rotation converged in 7 iterations.

Table 2. Pearson Correlations (Facebook use, social comparisons, Active and passive Facebook use)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **FB\_Login** | **SC\_TOT** | **AC** | **PA** |
| **FB\_Login** | 1 | .036 | .014 | .017 |
| **SC** | .036 | 1 | -.353 | .236 |
| **AC** | .011 | -.353 | 1 | -.082 |
| **PA** | .016 | .236 | -.082 | 1 |

Note: FB\_Login – Number of times users logged into Facebook; SC – Social Comparisons; AC – Active use of Facebook; PA – Passive use of Facebook

Table 3. Results of regression analysis predicting social comparison by active and passive uses of Facebook.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Model** | **B** | **Std. Error** | **Beta** | **t** | **Sig.** |
| **Constant** | -3.543 | 8.322 |  | -.426 | .671 |
| **AC** | -.416 | .116 | -.336 | -3.593 | .001 |
| **PA** | .789 | .353 | .209 | 2.235 | .028 |
| **R**  **R Square**  **Adjusted R Square** | .410  .168  .150 |  |  |  |  |

Note: AC – Active use of Facebook; PA – Passive use of Facebook

Table 4. Results of regression analysis predicting Depressive symptoms by social comparison

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Model** | **B** | **Std. Error** | **Beta** | **t** | **Sig.** |
| **Constant** | 1.846 | 1.114 |  | 1.657 | .101 |
| **SC** | .146 | .042 | .333 | 3.477 | .001 |
| **R**  **R Square**  **Adjusted R Square** | .333  .111  .102 |  |  |  |  |

Note: SC – Social comparison