

Supplementary Table 1. Edge invariance test between control group and IGD group ($p < 0.05$)

Var1	Var2	p
IGD1	IGD3	<0.001
PHQ3	IGD8	<0.001
PSQI3	PSQI4	0.001
IGD2	IGD4	0.002
IGD9	SMA6	0.002
GAD1	GAD3	0.003
IGD8	IGD9	0.004
PHQ7	GAD2	0.006
IGD1	IGD8	0.006
IGD4	IGD5	0.007
IGD3	IGD4	0.011
PHQ1	PHQ5	0.013
GAD6	IGD2	0.013
PHQ6	IGD4	0.013
IGD5	IGD7	0.015
IGD6	IGD9	0.015
GAD3	PSQI5	0.015
IGD1	IGD4	0.016
PHQ3	PHQ6	0.017
PHQ5	PHQ9	0.017
IGD3	IGD8	0.018
GAD4	PSQI2	0.019
GAD1	GAD6	0.020
PHQ4	IGD5	0.024
IGD5	IGD9	0.024
SMA6	PSQI7	0.026
PHQ1	GAD1	0.030
IGD1	SMA4	0.037
IGD4	SMA4	0.040
GAD3	GAD6	0.041
PHQ4	IGD2	0.042
PHQ6	PHQ9	0.043

PHQ1–9 refers to the items of PHQ-9, GAD1–7 refers to the items of GAD-7, IGD1–9 refers to the items of IGDS9-SF, SMA1–6 refers to the items of BSMAS, and PSQI1–7 refers to the seven factor score in scale. IGD, Internet Gaming Addiction; PHQ-9, Patient Health Questionnaire-9; GAD-7, Generalized Anxiety Disorder 7-item; IGDS9-SF, Internet Gaming Disorder Scale-Short Form; BSMAS, Bergen Social Media Addiction Scale