



## Supplementary material

### S1: Formulas of the three regression models

#### Formula of the CES-D 8 model

$CES-D\ 8 = \beta_1 + \text{study conditions } X \beta_2 + \text{utilization of study conditions } X \beta_3 + \text{anyone to discuss intimate matters with } X \beta_4 + \text{age } X \beta_5 + \text{residency status in Germany } X \beta_6 + \text{living situation } X \beta_7 + \text{gender } X \beta_8 + \text{relationship status } X \beta_9 + \text{study programme } X \beta_{10} + \varepsilon$

#### Formula of the PHQ-2 model

$PHQ-2 = \beta_1 + \text{study conditions } X \beta_2 + \text{utilization of study conditions } X \beta_3 + \text{anyone to discuss intimate matters with } X \beta_4 + \text{age } X \beta_5 + \text{residency status in Germany } X \beta_6 + \text{living situation } X \beta_7 + \text{gender } X \beta_8 + \text{relationship status } X \beta_9 + \text{study programme } X \beta_{10} + \varepsilon$

#### Formula of the GAD-2 model

$GAD-2 = \beta_1 + \text{study conditions } X \beta_2 + \text{utilization of study conditions } X \beta_3 + \text{anyone to discuss intimate matters with } X \beta_4 + \text{age } X \beta_5 + \text{residency status in Germany } X \beta_6 + \text{living situation } X \beta_7 + \text{gender } X \beta_8 + \text{relationship status } X \beta_9 + \text{study programme } X \beta_{10} + \varepsilon$

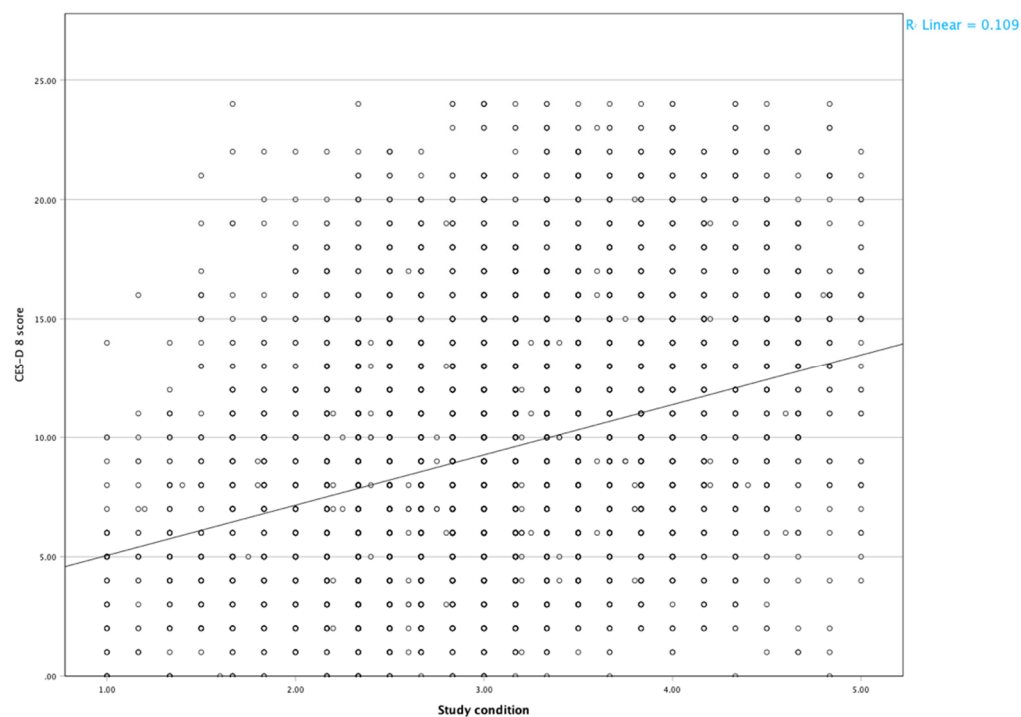
**S2: Validity of method assumptions check for the three regression models**

Figure S2.1: Linearity between the CES-D 8 score and study condition score

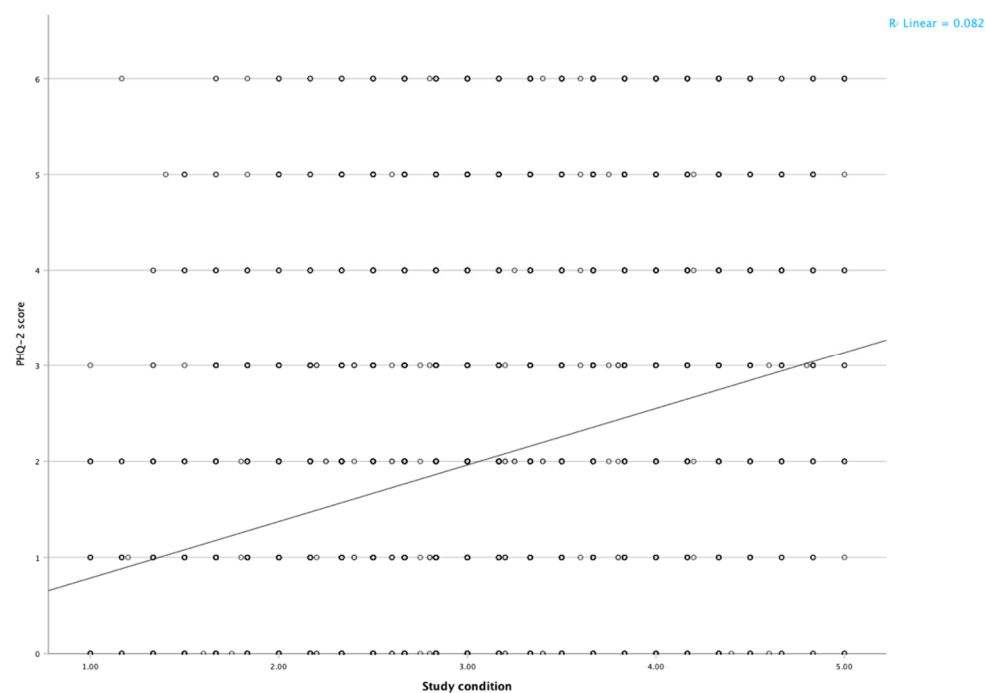


Figure S2.2: Linearity between the PHQ-2 score and study condition score

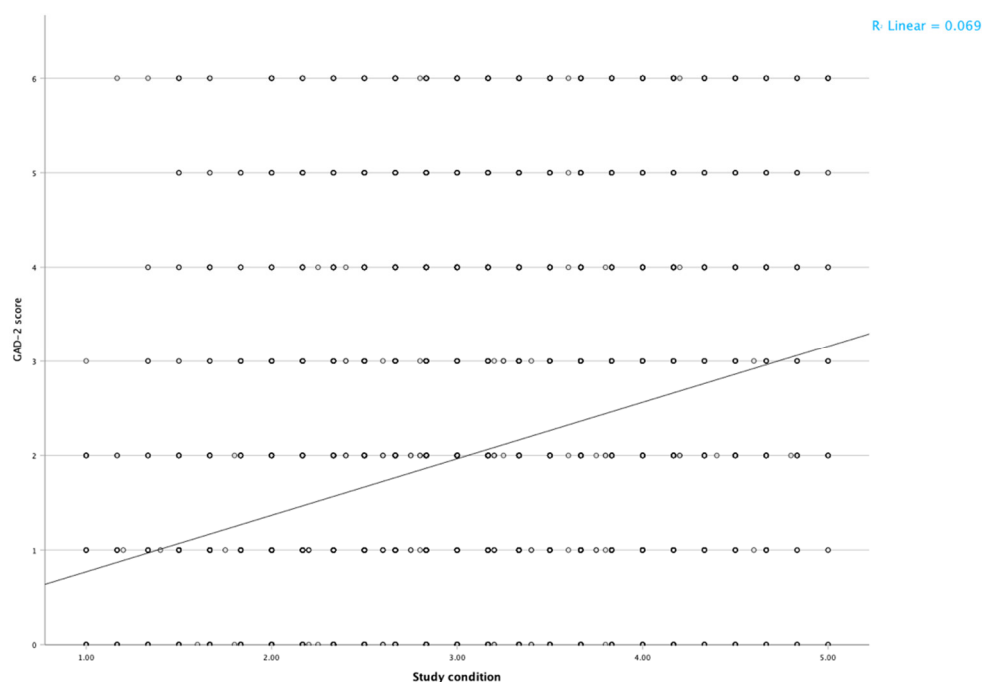


Figure S2.3: Linearity between the GAD-2 score and study condition score

Table S2.1: Test for multicollinearity between the dependent variables (CES-D 8, PHQ-2, GAD-2) and all independent variables

	CES-D 8		PHQ-2		GAD-2	
	Tolerance	VIF	Tolerance	VIF	Tolerance	VIF
<b>Problematic study conditions (metric)</b>	0.957	1.04	0.957	1.044	0.957	1.044
<b>Utilisation of student counselling</b>	0.980	1.02	0.980	1.020	0.980	1.020
<b>Anyone to discuss intimate matters with</b>	0.932	1.07	0.930	1.075	0.930	1.074
<b>Age</b>	0.856	1.168	0.856	1.167	0.856	1.167
<b>Residency status in Germany</b>	0.930	1.075	0.931	1.073	0.931	1.073
<b>Living situation</b>	0.949	1.053	0.951	1.051	0.951	1.051
<b>Male</b>	0.968	1.053	0.965	1.035	0.965	1.035
<b>Diverse</b>	0.992	1.008	0.991	1.008	0.991	1.008
<b>Single</b>	0.872	1.147	0.872	1.146	0.872	1.146
<b>It's complicated</b>	0.951	1.050	0.951	1.050	0.951	1.050
<b>Master programme</b>	0.788	1.270	0.787	1.270	0.787	1.269
<b>Examination programme</b>	0.848	1.180	0.847	1.179	0.848	1.179
<b>PhD programme</b>	0.887	1.127	0.887	1.126	0.887	1.126

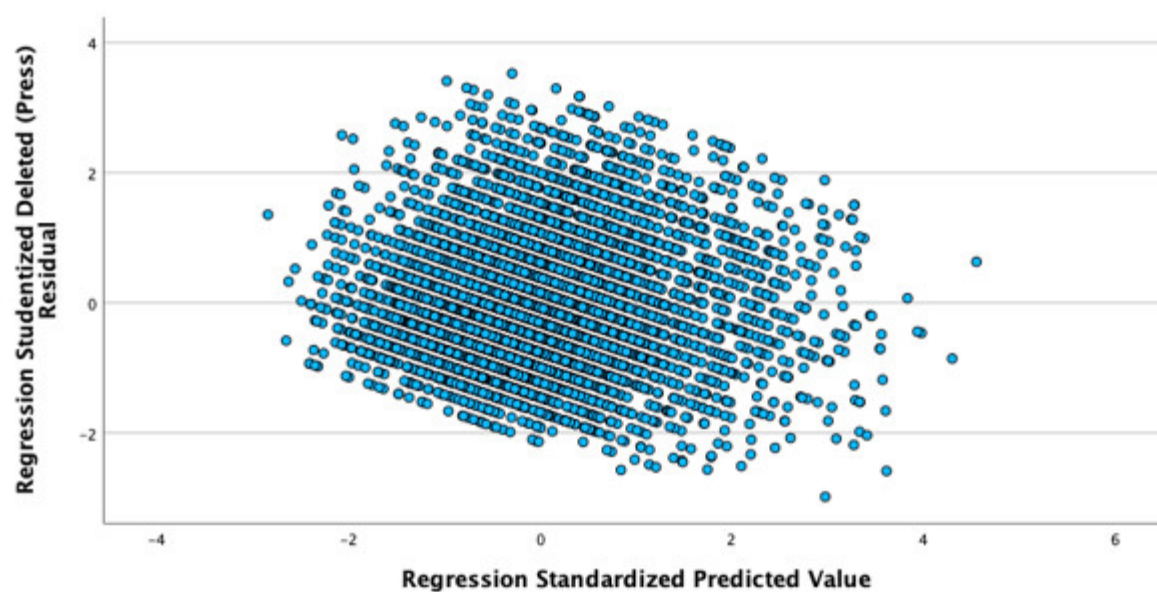


Figure S2.4: Homoscedasticity between CES-D 8 and all independent variables

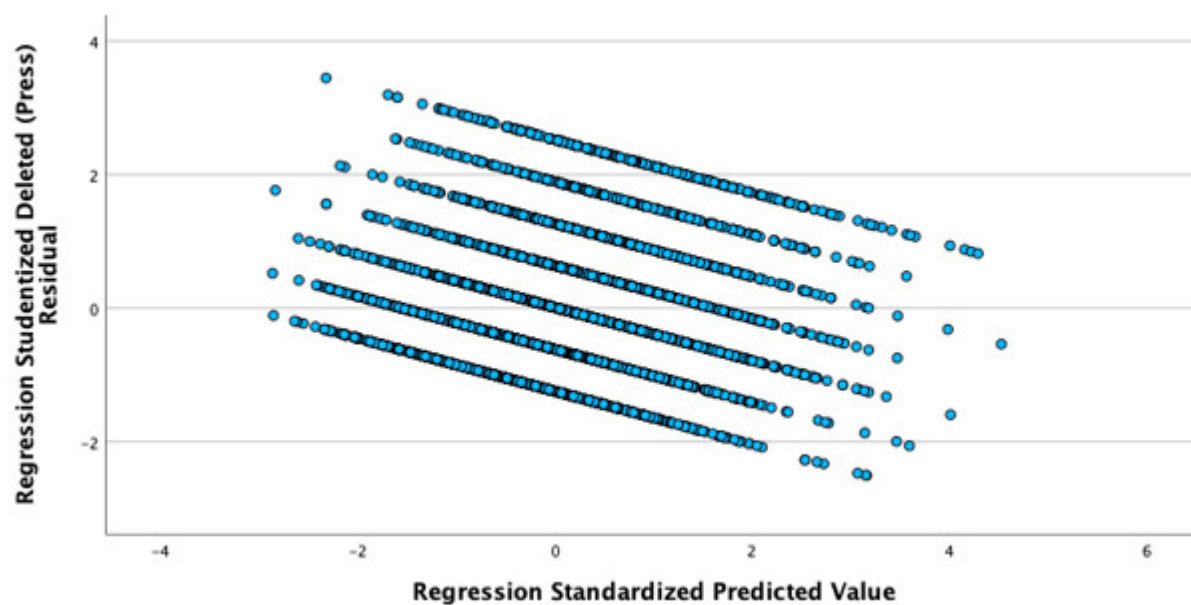


Figure S2.5: Homoscedasticity between PHQ-2 and all independent variables

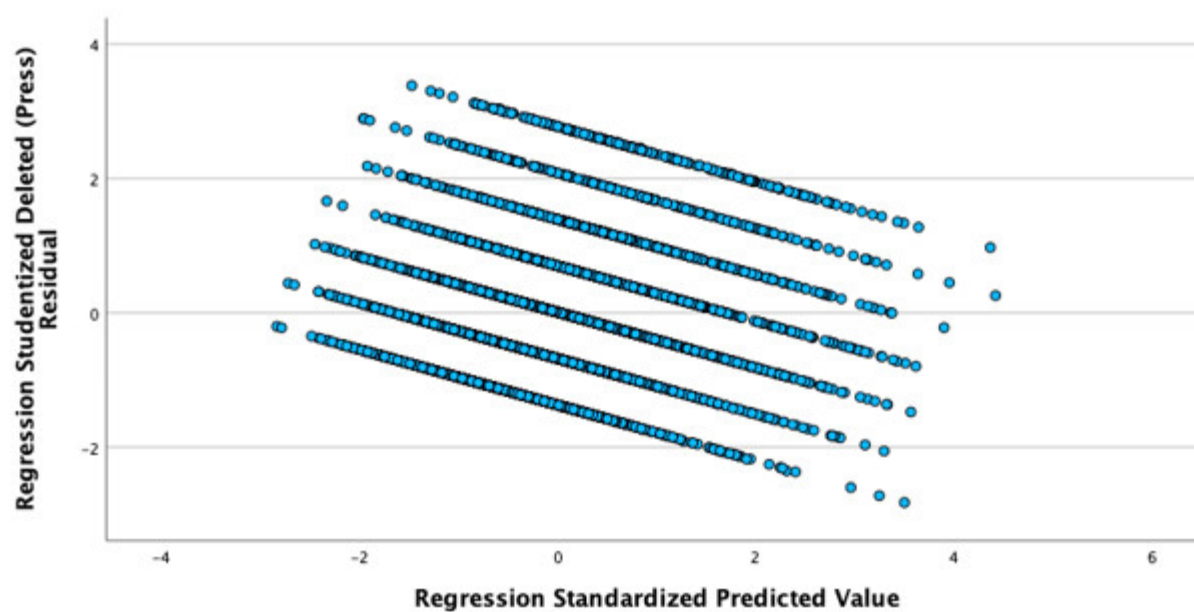


Figure S2.6: Homoscedasticity between the GAD-2 and all independent variables

Table S2.2: Kolmogorov-Smirnov test to check normal distributed residuals between the dependent variables (CES-D 8, PHQ-2, GAD-2) and all independent variables

	Kolmogorov-Smirnov test		
	CES-D 8 (p-value)	PHQ-2 (p-value)	GAD-2 (p-value)
Unstandardized residuals	<0.001	<0.001	<0.001