



University of Tehran

Research report:

**The study of psychometric properties and normalization  
of Spielberger's State-Trait Anger Expression  
Inventory – 2 (STAXI-2) among of students**

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2007

# **The study of psychometric properties and normalization of Spielberger's State-Trait Anger Expression Inventory – 2 (STAXI-2) among of students**

## **Abstract**

**Object:** current study was conducted to investigate psychometric properties and normalization of Spielberger's State-Trait Anger Expression Inventory – 2 (STAXI-2) among college students.

**Method:** From different schools of the university of Tehran, 1140 student was selected by proportional sampling method and asked them complete STAXI-2 accompanied with one of nine parallel instruments. This instrument were: Multi-dimensional Anger Inventory(Siegel, 1986), Aggression Questionnaire( Novako, 1986 ), Overcontrolled- Hostility Scale( Megargee, Cook, & Mendelson Bortner, 1976 ), Rating scale (Walsh et al, 1994 ), Oxford Happiness Inventory(Argyle, 1998), psychological well-being (Ryff, 1998), Hardiness Scale(Kiamarsi, Najarian, mehrabie Honarmand, 1385), Emotional Intelligence(Schutte et al, 1998) and NEO- Five Factor Inventory(Mc Cera & Costa, 1992)

**Results:** Data analysis demonstrated that STAXI-2 and its subscales have significant relationship with parallel instruments. Additionally, subscales of STAXI-2 showed suitable internal consistency, split-half and test-retest coefficient. Factor analysis also extract approximately as many as factors in any part of STAXI-2 with comparison of original version.

**Discussion:** Findings implied that STAXI-2 had an appropriate psychometric properties as indicated by reliability, internal homogeneity, and content, discriminantion, convergent, divergent, and construct validity. Therefore STAXI-2 as a state and trait assessment device can be used in clinical sets and researche proposees.

**Key words:** Spielberger's State-Trait Anger Expression Inventory – 2 (STAXI-2), farsi version, psychometric properties, normalization, student.