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## Validation of the Tunisian version of the french version of the Competitive State Anxiety Inventory-2 Revised (CSAI-2R), including frequency and direction scales

Jamel Hajji

Gafsa University, Tunisia

The Competitive State Anxiety Inventory-2 Revised (CSAI-2R), is one of the most frequently used instruments in the evaluation of situational anxiety in sports competition.

**Objectives:** The objective of this study was to validate the Tunisian version based on the French version of the Competitive State Anxiety Inventory-2 Revised (CSAI-2R), including the direction and the frequency scales.

**Method:** 418 athletes ranging in age from 14 to 34 years in different individual and team competitions, volunteered to participate in the study. Data were collected and analyzed for reliability and validity using the test-retest method, reliability, correlation analysis and confirmatory factor analyses. Statistical analysis was performed with SPSS and the IBM AMOS version 21.0.0.

**Results:** The Confirmatory factor analyzes showed acceptable adjustments for the 3-factor model of CSAI-2R. For the intensity model [ $\chi^2=343.19$ ;  $\chi^2/df=3.40$ ; CFI=0.92; TLI=0.90; GFI =0.91; RMSEA=0.076; p-value<0.001]. for the direction model [ $\chi^2=360.83$ ;  $\chi^2/df=3.57$ ; CFI=0.93; TLI=0.92; GFI=0.90; RMSEA=0.079; p value<0.001]. And for the frequency model [ $\chi^2=140.31$ ;  $\chi^2/df=2.58$ ; CFI=0.93; TLI=0.92; GFI =0.92; RMSEA=0.062; p-value<0.001]. And a good internal coherence of three scales was between 0.76 and 0.90.

**Conclusion:** This study provides support for the reliability and validity of the Tunisian version based on the French version of CSAI-2R, including the direction and the frequency scales. Among others the Tunisian version has demonstrated robust psychometric properties and can be used in other investigation.

### Biography

Hajji Jamel is a researcher at the field of coping and anxiety. He successfully completed his masters and Ph.D in the field of Higher Institute of Sport and Physical Education Gafsa, Gafsa University, Tunisia.

hajji5jamel@yahoo.fr

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