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An Italian contribution to the study of the validity and reliability of the trait meta-mood scale

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Abstract

Background. Emotional Intelligence (EI) is a field of study that is receiving increasingly attention in the literature, due to its relevance to a series of aspects of human psychological and social functioning. **Aims.** This study used archival data from an Italian sample encompassing 885 nonclinical adults, to contribute to the study of the validity and reliability of the Trait Meta Mood-Scale (TMMS), a widely used measure of self-perceived EI. **Method.** Statistical analyses focused on internal consistency, factor structure, and concurrent validity of an Italian TMMS version. **Results.** Results confirmed previous international studies supporting the cross-cultural adaptability of the TMMS, showing adequate reliability and validity indexes for all TMMS scores. **Conclusions.** EI may be measured via self-report. Its relationship to psychopathology, however, deserves more research, as certain components of EI correlate positively with psychological suffering.

Keywords: Emotional Intelligence; TMMS; Validity; Reliability; Cross-cultural

Conflict of interest: The authors declare no conflict of interest.

Emotional intelligence (EI) is often referred to as the set of abilities related to the process of emotional information. These include the capacity to properly perceive and identify emotions, use them to facilitate thinking, and understand the meaning of emotions and its outcomes, as well as the capacity to manage them in order to properly adapt to social situations (Mayer, Salovey, & Caruso, 2008). This concept of EI is based on the classical proposal of Mayer and Salovey (1993) that the processing of emotional information would be a human capacity that could be defined in terms of a type of intelligence, being conceived as an ability model.

Following this first definition, many other conceptualizations of EI tried to include other emotion-related constructs, providing other types of models that became known as the mixed-models or trait EI. These models usually have different definitions, and therefore include other attributes, such as perceived abilities to handle social situations and personality traits and competences. Some examples of other emotional related attributes included in these models are persistence, zeal, self-control, and empathy (Brackett, Rivers, Shiffman, Lerner, & Salovey, 2006).

In line with these multiple definitions, many types of instruments attempt to assess EI. It is possible to distinguish them between performance-based and self-report measures. While performance-based tools measure the ability of the individual to perform in tasks that

involve solving problems related to emotionally charged situations, self-report tools usually assess the individual's perception of his abilities and preferences in dealing with emotions. Because self-perceptions can be biased, especially when dealing with emotion-related topics (e.g., a person may not know the extent to which his/her EI skills are adequate, or s/he may not be willing to admit s/he has poor EI skills), performance-based EI measures are often considered to be preferable over self-reports. However, self-reports offer some advantages too, as they are an easier way to collect data and do not require particular training to be used by researchers. Moreover, EI performance-based instruments can have low ecological validity, as the ability to perform in the task can be limited as a predictor of the individual's actual behavior in a real situation. Indeed, EI tasks are typically performed in laboratory setting (e.g., using a computer screen), with the examinee being exposed to a notably reduced range of stimuli compared to what happens in real-life situations. Selfreports supposedly do not face this problem as they rely on the examinee's recall, evaluation, and interpretation of events that actually happened. Furthermore, among nonself-report measures, the most widely used ability-based measure of EI, i.e., the Mayer-Salovey-Caruso Emotional Intelligence Test (MSCEIT, Mayer, Salovey, & Caruso, 2002), is not without problems. In particular, there is some debate concerning its psychometric properties, especially in terms of factor structure (Fan, Jackson, Yang, Tang, Zhang, 2010;

that the final, Italian version of the TMMS accurately reflected the contents and meanings of the original, English version.

Participants

As noted above, the data for this study were retrieved from two previously published research studies. The first (Giovannini et al., 2014) encompassed 636 Italian adult participants: All identified themselves as being Italian and/or Caucasian; ages ranged from 18 to 64 (M = 33.0, SD = 12.1); about two-thirds were women (70.7%); a little more than half were college students (n = 355), the remaining ones were non-student volunteers (n = 281). The second (Giromini, Brusadelli, Di Noto, Grasso, & Lang, 2015) included 300 Italian volunteers: All were college students; about two-thirds were women (n = 199); ages ranged from 19 to 48 (M = 21.3, SD = 2.6). The major goal of Giovannini et al.'s (2014) article was to contribute to the study of the validity and reliability of the Five Facet Mindfulness Questionnaire (FFMQ; Baer et al., 2006). The main purpose of Giromini et al.'s (2015) article was to contribute to the study of the validity and reliability of the Balanced Index of Psychological Mindedness (BIPM; Nyklíček & Denollet, 2009). Neither studies analyzed the average scores, factor structure and/or concurrent validity of the Italian TMMS.

The initial, combined sample used for the current research thus included data from 936 adult volunteers. However, data from 51 participants were removed, as they had missing data on one or more item of the TMMS. Thus, the final sample of the current study consisted of 885 individuals: About 70% (n = 613) were women; ages ranged from 18 to 64 (M = 29.1, SD = 11.4); about 70% (n = 629) were college students; all were Italian/Caucasian.

Procedure

For the current study, participants' data were retrieved from two Excel files we had access to. Details on the procedures followed to generate those files may be found in Giovannini et al. (2014) and Giromini et al. (2015). Briefly, after the ethical review board of the University of Milano-Bicocca approved the research projects, prospective participants were invited to anonymously fill out a number of self-report measures. Students were recruited through an online service of University of Milano-Bicocca. Nonstudents were recruited through word of mouth, using a strategy analogous to that of the snow-ball sampling procedure. In both cases, a signed informed consent form was obtained prior to initiating data collection.

Measures

In addition to the Italian TMMS, participants included in Giovannini et al.'s (2014) study also completed the FFMQ, the Toronto Alexithymia Scale (TAS-20; Bagby, Taylor, & Parker, 1994), the Difficulties in Emotion Regulation Scale (DERS; Gratz & Roemer, 2004), the Scale of Dissociative Activities (SODAS; Mayer & Farmer, 2003), the White Bear Suppression Inventory (WBSI; Wegner & Zanakos, 1994), and some items of the Big Five Questionnaire-2 (BFQ-2; Caprara, Barbaranelli, Borgogni, & Vecchione, 2007). Participants included in Giromini et al.'s (2015) study, in addition to the Italian TMMS also filled out the BIPM, the TAS-20, the DERS, the FFMQ, the Reflection and Rumination Questionnaire (RRQ; Trapnell & Campbell, 1999), and the Symptom Checklist 90-R (Derogatis, 1994). A brief description of each of these instruments follows.

The Five Facets Mindfulness Questionnaire (FFMQ; Baer et al., 2006). The FFMQ is a 39-item, self-report instrument measuring mindfulness, i.e., the ability and willingness to attend and pay attention to experiences occurring in the present moment, in both a non-evaluative and accepting way (Kabat-Zinn, 1990). Items are rated on a 5-point Likert scale, and combination of individual item scores produces a total, mindfulness score and five subscale scores, whose underlying factors are labeled Observe, Describe, Act with Awareness, Nonjudge, and Nonreact. The FFMQ has demonstrated evidence of validity and reliability in both its original (Baer et al. , 2006) and its Italian (Giovannini et al., 2014)

versions. In the current study, alphas were .80 for Observe, .88 for Describe, .86 for Act with Awareness, .85 for Nonjudge,.75 for Nonreact, and .85 for the Total FFMQ score.

The Toronto Alexithymia Scale (TAS-20; Bagby et al., 1993). TAS-20 is a very widely utilized, 20-item self-report measure of alexithymia. Each item is rated on a 5-point Likert scale, and combination of individual item scores generates a total, alexithymia score, as well as three subscale scores, whose underlying factors are labeled Difficulty Identifying Feelings, Difficulty Describing Feelings, and Externally Oriented Thinking. The TAS-20 has shown excellent psychometric properties in numerous studies, and its Italian version has demonstrated very good validity and reliability indices too (e.g., Bressi et al., 1996; Giromini, de Campora et al., 2015). In the current study, alphas were .82 for Difficulty Identifying Feelings, .76 for Difficulty Describing Feelings, .67 for Externally Oriented Thinking, and .85 for the Total TAS-20 score.

The Difficulties in Emotion Regulation Scale (DERS; Gratz & Roemer, 2004). The DERS is a 36-item self-report instrument measuring emotion dysregulation. Items are rated on a 5-point Likert scale, and combination of individual item scores produces a total, emotion dysregulation score, as well as six subscale scores, whose underlying factors are labeled Nonacceptance, Goals, Impulse, Awareness, Strategies, and Clarity. The DERS has achieved satisfactory to excellent reliability and validity indices in various, international

samples (e.g., Neumann, van Lier, Gratz, & Koot, 2010), as well as in Italy (de Campora, Giromini, Larciprete, Li Volsi, & Zavattini, 2014; de Campora, Larciprete, Delogu, Meldolesi, & Giromini, 2015; Giromini, Velotti, De Campora, Bonalume, & Cesare Zavattini, 2012). In the current study, alphas were .84 for Nonacceptance, .84 for Goals, .84 for Impulse, .75 for Awareness, .87 for Strategies, .83 for Clarity, and .94 for the Total DERS score.

The Scale of Dissociative Activities (SODAS; Mayer & Farmer, 2003). The

SODAS is a 35-item, self-report measure of dissociation. Items are rated on a 5-point Likert scale, and summing all SODAS item scores generates a total score indicative of tendency to dissociate, and lack of awareness of actions and inner experiences. In their original paper, Mayer and Farmer (2003) reported information on the internal consistency, test-retest stability, and convergent validity of the SODAS, and concluded that the instrument has good psychometric properties. Though the SODAS has not yet been investigated thoroughly within the Italian context, in our sample, Cronbach's alpha for the Total SODAS score was .94.

The White Bear Suppression Inventory (WBSI; Wegner & Zanakos, 1994). The WBSI is a brief, self-report measure of thought suppression. It includes 15 items, each of which is rated on a 5-point Likert scale. Some evidences indicate that the WBSI

possesses good psychometric properties (e.g., Muris, Merckelbach, & Horselenberg, 1996). Like the SODAS, however, the WBSI also has been used rarely, in Italy. In our sample, the Italian WBSI achieved an excellent internal consistency, Cronbach's alpha of .89.

The Big Five Questionnaire-2 (BFQ-2; Caprara et al., 2007). The BFQ-2 is a

self-report instrument that measures personality traits as well as behavioral preferences. In Giovannini et al.'s (2014) study, only the BFQ-2 items measuring the tendency to accept and be open to new experiences (Mental Openness) and those measuring the ability to cope with negative emotions (Emotional Stability) were administered, so that only two BFQ-2 subscales were available for the current study (i.e., only 48 of the 134 BFQ-2 items were administered). In their BFQ-2 development paper, Caprara et al. (2007) reported encouraging data on the validity and reliability of the BFQ-2; in our sample alphas were .79 for Mental Openness and .91 for Emotional Stability.

The Balanced Index of Psychological Mindedness (BIPM; Nyklícek & Denollet, 2009). The BIPM is a relatively new, 14-item self-report tool measuring psychological mindedness, a psychological construct whose definition is very similar to that of mentalization. It is rated on a 5-point Likert scale, and individual item scores may be combined to generate a total, psychological mindedness score, as well as two subscale scores whose underlying factors were labeled Interest and Insight. The BIPM has

demonstrated evidence of validity and reliability both in the Netherlands (Nyklíček & Denollet, 2009) and in Italy (Giromini et al., 2015). In the current study, alphas were .78 for Interest, .79 for Insight, and .76 for the total score.

The Reflection and Rumination Questionnaire (RRQ; Trapnell & Campbell,

1999). The RRQ is a self-report instrument measuring a tendency to reflect and/or ruminate about thoughts, emotions, and/or situations. It consists of 30 items, each of which is rated on a 5-point Likert scale, and combination of individual item scores generates two scale scores, named, respectively, Reflection and Rumination. Data on the evidence of validity and reliability for the RRQ may be found in Trapnell and Campbell (1999). Like the SODAS and the WBSI, the RRQ also has been poorly investigated in Italy. In our sample, however, internal-consistency was highly satisfactory, with alpha values being .86 for Reflection and .82 for Rumination.

The Symptom Checklist 90-R (Derogatis, 1994). The SCL-90-R is a widely utilized, self-report tool assessing a broad range of psychopathological symptoms. It consists of 90 items, each of which is rated on a 5-point Likert scale. Though the SCL-90-R may produce scores on nine dimensions, and 3 global indices of distress may be calculated too, several research studies in fact only focus on the Global Severity Index (GSI), as it is one of the most valid and reliable scores of the instrument. Indeed, the GSI has

demonstrated good psychometric properties both with the original (Derogatis, 1994) and with the Italian (Prunas, Sarno, Preti, Madeddu, & Perugini, 2012) versions. Our study also focuses on the GSI, which in our sample produced an alpha of .98.

Hypotheses and Data Analysis

Our primary goal was to investigate the internal consistency, factor structure, and concurrent validity of the Italian TMMS. Thus, we first investigated the Cronbach's alphas and item-total correlations produced by the Italian TMMS. Next, we tested a confirmatory factor analysis (CFA), to examine how well the factor structure suggested by Salovey et al. (1995) would fit our data. To do so, we mainly focused on the root mean square error of approximation (RMSEA), the standardized root mean square residual (SRMR), the comparative fit index (CFI), and the nonnormed fit index (NNFI). Lastly, we calculated Pearson correlations between the TMMS and all other questionnaires included in the study. Because EI reflects emotional awareness and understanding, we predicted that the Italian TMMS would correlate *positively* with mindfulness (FFMQ), emotional stability (BFQ-2 Emotional Stability), mental openness (BFQ-2 Mental Openness), mentalization (BIPM), and reflection (RRQ Reflection); and *negatively* with alexithymia (TAS-20), emotion dysregulation (DERS), dissociation (SODAS), thought suppression (WBSI), and rumination (RRQ Rumination). Lastly, because EI is important to mental health (e.g.,

Lizeretti et al., 2012), we anticipated that the TMMS would correlate *negatively* also with the SCL-90-R GSI.

Results

TMMS Scores and Internal Consistency

Table 1 presents descriptive statistics concerning the TMMS scores produced by our Italian sample. Women scored significantly higher than men on Attention to Feelings, t(879) = 7.1, p < .01, d = .52, and - albeit to a lesser degree - on the total TMMS score, <math>t(879) = 2.2, p = .03, d = .16. No statistically significant differences emerged for Clarity of Experience of Feelings and Repair of Emotions.

Table 2 reports on the internal consistency of the Italian TMMS. In line with previous studies on the TMMS, all Cronbach's alphas were satisfactory. Furthermore, all three TMMS subscales significantly correlated with each other, as well as with the total TMMS score (Table 3).

Factor Structure

To test whether the three-factor model proposed by Salovey et al. (1995) would fit our Italian data, we conducted a CFA, by specifying three latent variables (i.e., Attention to Feelings, Clarity of Experience of Feelings, and Repair of Emotions), and allowing them to correlate. We ran this analysis with Lisrel 8.72, based on correlation matrix and maximum likelihood estimation method.

Goodness-of-fit statistics were as follows: RMSEA = .092; SRMR = .075; CFI = .89; NNFI = .88. According to commonly adopted interpretative benchmarks, RMSEA values of .05, .08, or .10 indicate, respectively, a *close, fair*, or *marginal* fit (Browne & Cudeck, 1993); SRMR values below .08 indicate a *good* fit (Hu & Bentler, 1999); and CFI and NNFI values of about .90 or higher indicate a *good* fit (Bentler & Bonett, 1980). Based on these thresholds, our model produced a relatively adequate, or *marginal* to *fair* fit, but not a perfect one. Thus, in an attempt to further improve the model, we also inspected modification indexes. Yet, because among all modification coefficients, the 13 highest values were all related to measurement error (theta-epsilon matrix), eventually we determined not to add any additional paths.

Concurrent Validity

Table 4 reports on concurrent validity. The sample size of these analyses varies as some of the instruments were not administered to all participants (for details, see Giovannini et al., 2014; Giromini et al., 2015), and some of the data had missing values. As expected, the TMMS correlated positively with self-report instruments measuring mindfulness (i.e., the FFMQ), emotional stability (i.e., the BFQ-2 Emotional Stability

scale), mental openness (i.e., the BFQ-2 Mental Openness scale), mentalization (i.e., the BIPM), and reflection (i.e., the RRQ Reflection scale), and negatively with other self-report measures assessing alexithymia (i.e., the TAS-20), emotion dysregulation (i.e., the DERS), dissociation (i.e., the SODAS), thought suppression (i.e., the WBSI), and rumination (i.e., the RRQ). However, an interesting exception deserves mentioning: Attention to Feelings did not significantly correlate with the FFMQ scale Nonreact, the DERS scales Goals and Impulse, the total SODAS score, the BFQ-2 scale Emotional Stability scale, and the RRQ Rumination scale. Lastly, all TMMS scales correlated negatively with the SCL-90-R GSI. However, the effect size of these correlations was relatively small.

Discussion

The current study used archival data encompassing self-reported information from an Italian sample comprised of 885 nonclinical adults to extend the literature on the validity and reliability of the Trait Meta Mood-Scale (TMMS; Salovey et al., 1995). By inspecting central tendency and dispersion statistics, internal consistency, factor structure, and concurrent validity of an Italian TMMS version, our research aimed at contributing to the study of the cross-cultural adaptability of the TMMS, and at facilitating further progress in the study of cross-cultural differences in perceived EI.

Taken together, our results confirm that the TMMS is robust to cross-cultural adaptations. In line with previous, international studies of the TMMS, the Italian TMMS achieved satisfactory internal-consistency reliability indexes, with alphas ranging from .75 to .87. Along the same lines, the average correlation between the three TMMS subscales was about .3, and the three-factor model proposed by Salovey et al. (1995) fit fairly well, albeit not perfectly, our data. Furthermore, consistent with our hypotheses and theoretical expectations, the Italian TMMS correlated *positively* with constructs such as mindfulness, emotional stability, mental openness, mentalization, and reflection; and *negatively* with constructs such as alexithymia, emotion dysregulation, dissociation, thought suppression, and rumination. In particular, when looking at the total TMMS score, all concurrent validity correlations were statistically significant, with the effect size ranging from |r| = .18 (i.e., *medium* to *small*) to |r| = .67 (i.e., *large*) (Cohen, 1988).

A close examination of Table 4 reveals some interesting patterns that deserve mentioning. Attention to Feelings produced high correlations with other scales measuring the willingness or desire to focus on, think about, and/or attend to one's personal feelings and emotions. Indeed, among the three TMMS scales, Attention to Feelings is the one that produced the strongest correlations with FFMQ Observe (+), TAS-20 Externally Oriented Thinking (-), DERS Awareness (-), BIPM Interest (+), and RRQ Reflection (+). The size of

these correlations (|r| = .29 to |r| = .54) may be characterized as a *medium* to *large* effect size (Cohen, 1988). Differently, Clarity of Experience of Feelings more strongly associated with other questionnaire scales measuring the respondent's ability to identify, describe, and/or understand his or her feelings and emotions. For instance, when compared to the two other TMMS scales, Clarity of Experience of Feelings more strongly correlated with FFMQ Describe (+), TAS-20 Difficulties Identifying Feelings (-), TAS-20 Difficulties Describing Feelings (-), DERS Clarity (-), SODAS (-), WBSI (-), BIPM Insight (+), and RRQ Rumination (-). Also in this case, the size of these findings (|r| = .30 to |r| = .75) was *medium* to *large* (Cohen, 1988). Lastly, when compared to the other two TMMS scales, Repair of Emotions more strongly associated with the ability to manage, deal with, and/or cope with one's emotions and feelings, as demonstrated by the fact that it more strongly correlated with DERS Goals (-), DERS Strategies (-), and BFQ-2 Emotional Stability (+). Once more, the effect size of these findings (|r| = .29 to |r| = .52) may be characterized as medium to large (Cohen, 1988). All in all, one might thus say that – consistent with Salovey et al.'s (1995) model – Attention to Feelings reflects an attitude toward focusing "internally" rather than "externally"; Clarity of Experience of Feelings measures the ability to identify and describe one's own feelings and emotions; and Repair of Emotions more directly informs on the ability to manage or cope with these feelings and emotions.

With these considerations in mind, it is interesting to look one more time the correlations between the TMMS scales and the risk for psychopathology, as measured by the SCL-90-R GSI, to notice that the highest r was produced by Repair of Emotions, followed by Clarity of Experience of Feelings, with the lowest one being produced by Attention to Feelings. Although all these correlations consisted of a small effect size (|r| < 1.22), this pattern of findings suggest that focusing on one's own feelings (i.e., Attention to Feelings) is necessary but not sufficient to being able to understand them (i.e., Clarity of Experience of Feelings), and being able to understand feelings and emotions may likely be important, but still not sufficient to being able to manage them (i.e., Repair of Emotions). In line with this hypothesis, previous research has showed that psychopathology is negatively associated with Clarity of Experience of Feelings and Repair of Emotions, but the results emerged for Attention to Feelings were rather mixed (e.g., Lizeretti et al., 2012; Salovey et al., 1995). Similarly, Giromini et al. (2015) recently reported that, when compared to a non-clinical control group, a sample of depressed patients had poorer ability to understand their emotions and feelings, but greater interest in being in touch with their inner psychological states and processes. Indeed, because emotions and feelings are exactly the source of their problems, Giromini et al. (2015) hypothesized that "depressed individuals might happen to be highly interested in introspection, but still unable to

correctly understand and manage their psychological states and processes, and consequently their behaviors." (p. 83).

Concerning gender differences, women scored higher than men on the TMMS, especially on Attention to Feelings. The effect size of this finding is *small* (for the total score) to *medium* (for Attention to Feelings). Although this result is coherent with some other findings (e.g. Aradilla-Herrero et al., 2014; Gorostiaga et al., 2011), gender differences are rarely observed with the TMMS. Studies measuring self-perceived EI tend to show equivalent results between genders, sometimes with differences within subscales, but these differences seem to vary among samples (Brackett et al., 2006). A possible explanation for our finding may be related to the composition of our sample: Because part of Giovannini et al.'s (2014) sample included psychology students, and given that the majority of the students of psychology in Italy are women, it is possible that the women in our sample scored high on Attention to Feelings simply because some of them were studying psychology. Alternatively, it is possible that men scored lower than women on Attention to Feelings because of some specific, cultural aspects related to our sample being comprised of Italians only. Future studies should further investigate this topic.

Like all studies, our study also is not without limitations. First, using self-reports to assess abilities such as EI or emotional regulation is problematic, to some extent. Indeed,

considering the TMMS as a self-report measure of perceived EI might be controversy, as it in fact most likely measures one's beliefs about his/her EI, i.e., what was named by Salovey et al. (2002, p. 624) as the "emotional intelligence self-efficacy". Thus, it would be important to replicate our findings by using performance-based measures, too. Second, our CFA did not produce a perfect fit. Although inspection of modification indexes did not suggest any substantial changes to the main structure, additional research on the factor structure of the Italian TMMS would certainly be beneficial. Third, because the majority of the participants were college students and women, the generalizability of our findings to other populations may be questioned. Along the same lines, because part of the sample was recruited through word of mouth procedure, we could not control for a number of possible confounds (e.g., the profession of the participants, the order with which they filled out the questionnaires, their motivation, etc.). Accordingly, future studies with additional, larger, and better stratified samples would be useful too. Another limitation to be mentioned is that some of the questionnaires utilized in this research had not previously been validated for use with Italian samples. Although we undertook several procedures to ensure their applicability in our study (e.g., a back-translation procedure had been used; internal consistency was calculated, etc.), caution is warranted when considering the results concerning those instruments (i.e., the SODAS, the WBSI, and the RRQ). Lastly, the use of

the SCL-R-90 as our measure of psychopathology did not allow determining the role that self-perceived EI might play in specific psychological disorders. Future studies should attempt to compare clinical samples to control groups, to disentangle the relationship of EI to various, specific mental conditions.

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Table 1.	Descriptive	Statistics 1	for the Italian	TMMS	Scales.	among Men,	Women, a	and Entire Sample	
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	Men (n = 268)				Women (n = 613)			Entire Sample (N = 885)				
	М	SD	Skew	Kurtosis	М	SD	Skew	Kurtosis	М	SD	Skew	Kurtosis
Attention to Feelings	46.9	6.7	-0.1	-0.5	50.3	6.4	-0.5	0.6	49.2	6.7	-0.3	0.1
Clarity of Experience of Feelings	39.4	6.8	-0.1	-0.2	38.5	7.1	-0.3	-0.1	38.8	7.0	-0.2	-0.1
Repair of Emotions	20.7	3.9	-0.4	0.0	20.3	4.4	-0.4	-0.3	20.4	4.2	-0.4	-0.2
Total	106.9	13.3	0.1	-0.4	109.1	13.6	-0.3	0.2	108.5	13.6	-0.2	0.0

Note: Four cases were missing gender information.

Table 2. Internal Consistency Analyses for the Italian TMMS.	

	No. of items	Cronbach's alpha	Range of item-total correlations
Attention to Feelings	13	.80	.32 – .67
Clarity of Experience of Feelings	11	.87	.4878
Repair of Emotions	6	.75	.58 – .79
Total	30	.87	.19 – .64

	Attention to Feelings	Clarity of Experience of Feelings	Repair of Emotions	Total
Attention to Feelings	_			
Clarity of Experience of Feelings	.38	_		
Repair of Emotions	.24	.38	_	
Total	.76	.82	.63	_

Table 3. Correlations between the Scales of the Italian TMMS.

Note: All correlations are statistically significant at p < .01.

	Attention to Feelings	Clarity of Experience of Feelings	Repair of Emotions	Total
FFMQ (n = 878)				
Observe	.288**	.204**	.108**	.282**
Describe	.328**	.621**	.237**	.559**
Actaware	.136**	.377**	.258**	.343**
Nonjudge	.128**	.374**	.297**	.350**
Nonreact	031	.264**	.226**	.192**
Total	.315**	.652**	.392**	.617**
TAS-20 $(n = 855)$				
Difficulties Identifying Feelings	209**	653**	338**	548**
Difficulties Describing Feelings	306**	581**	265**	535**
Externally Oriented Thinking	538**	378**	120**	499**
Total	441**	686**	310**	670**
DERS $(n = 852)$				
Nonacceptance	117**	332**	287**	319**
Goals	.036	271**	287**	212**
Impulse	059	376**	344**	331**
Awareness	510**	467**	170**	545**
Strategies	088*	372**	523**	398**
Clarity	310**	747**	310**	636**
Total	231**	591**	477**	568**
SODAS ($n = 582$)				
Total	.016	412**	309**	299**
WBSI $(n = 587)$				
Total	116**	401**	220**	332**
BFQ-2 ($n = 586$)				
Mental Openness	.233**	.245**	.153**	.290**
Emotional Stability	055	.349**	.425**	.287**
BIPM $(n = 297)$				
Interest	.473**	.324**	.138*	.448**
Insight	.409**	.598**	.234**	.592**
Total	.593**	.615**	.248**	.696**
RRQ $(n = 297)$				
Rumination	.082	303**	190**	178**
Reflection	.462**	.259**	.132*	.406**
SCL-90-R (n = 507)				
GSI	093*	175**	215**	202**

Table 4. Concurrent Validity Analyses for the Italian TMMS.

Note: * *p* < .05; ** *p* < .01.