It's not only what you hold, it's how you hold it: Dimensions of religiosity and meaning in life

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ABSTRACT

Previous research has linked meaning in life and religiosity, usually relying on simplistic unidimensional models. The present study revisited these relations, viewing both religiosity and meaning as multidimensional constructs. Dimensions of religiosity (Inclusion of Transcendence and Symbolic Interpretation) were assessed in two adult Hungarian samples (Ns 330, 437) and associations were assessed with presence of meaning (Studies 1 and 2) and search for meaning (Study 2), controlling for personality traits (Study 2). Inclusion of Transcendence was positively related to presence of meaning, and Symbolic Interpretation was positively related to search for meaning. Differing patterns of relations across explicit and implicit measures of presence of meaning suggested potentially important distinctions between whether people believe and how they believe. Together, results show that life appears more meaningful when religiosity is complex and open.

1. Introduction

Meaning in life has been a focal point of psychological thinking about positive human functioning and mental health since the pioneering thoughts of Frankl and the existential psychotherapists (Frankl, 1963; Yalom, 1980). Meaning in life, that is, the subjective experience of meaningfulness in one’s life, is typically seen as a distinct dimension of well-being, more related to what was called psychological or eudaimonic well-being than to hedonic or subjective well-being (McGregor & Little, 1998; Ryan & Deci, 2001). Supporting theories that meaning in life is a vital ingredient of human flourishing (Ryff & Singer, 1998), research has found associations between meaning in life and a variety of health indices, like lower mortality rate (Boyle, Barnes, Buchman, & Bennett, 2009; Skrabski, Kopp, Rozsa, Rethelyi, & Rahe, 2008) and better self-rated health (Steger, Mann, Michels, & Cooper, 2009).

Religiosity has been considered an important part of how some people construct meaning (Batson & Stocks, 2004; Park, 2005; Silberman, 2005; Yalom, 1980). Support for this notion can be found in positive associations between meaning in life and various measures and indices of religiosity (Chamberlain & Zika, 1988; Dezutter, Soens, & Hutsebaut, 2006; French & Joseph, 1999; Pöhlmann, Gruss, & Joraschky, 2006). More direct evidence can be found in the fact that individuals often consider religious and spiritual beliefs and experiences as important sources for their life meaning (Fletcher, 2004; Schnell & Becker, 2006). People also appear to reflect upon their religiosity when asked to estimate the meaningfulness of their lives (Hicks & King, 2008). Finally, meaning in life appears to be an important factor that links religiosity to mental health and well-being (George, Ellison, & Larson, 2002; Steger & Frazier, 2005).

While both religiousness and meaning in life are often studied as one-dimensional phenomena, more detailed conceptualizations of religiosity and meaning in life suggest that both constructs may have multiple dimensions. Moreover, these distinctions may affect the pattern of the associations both theoretically and empirically (cf. Hackney & Sanders, 2003). However, the empirical investigation of multidimensional associations between these constructs is largely missing.

1.1. Dimensions of religious attitudes

A recent social-cognitive model of religious attitudes suggests that a person’s approach towards religion may be characterized by two underlying and independent bipolar dimensions (Duriez, Dezutter, Neyrinck, & Hutsebaut, 2007). Inclusion (vs. exclusion) of Transcendence (IT) refers to the content of beliefs, specifically whether people accept or reject the possibility of a transcendent reality. Symbolic (vs. literal) Interpretation (SI) refers to the cognitive processing of these religious contents, whether they are approached on an open and complex way or in a rigid way. Within this model, one can distinguish between believers with an open,
complex belief system and believers with a closed, rigid belief system. Nonbelievers can also be typified as open or rigid. These two dimensions of religiosity – the whether and the how – were found to be uniquely associated with several individual differences. People high on the IT dimension preferred structure and predictability (Duriez, 2003), and were less sensitive to external stimulation (Fontaine, Duriez, Luyten, Corveleyn, & Hutsebaut, 2005). People high on the SI dimension were also higher on openness, agreeableness (Duriez, Soenens, & Beyers, 2004), empathy (Duriez, 2004), open-minded thinking, and tolerance for ambiguity (Duriez, 2003).

1.2. Dimensions of meaning in life

In much the same way that religiosity research has been dominated by unidimensional approaches, meaning in life research has also focused almost exclusively on the degree to which people judge their lives to be meaningful or not. This “whether” dimension of meaningfulness has been termed the presence of meaning dimension (Steger, Frazier, Oishi, & Kaler, 2006). This dimension is obviously important, as numerous reviews attest (e.g., Steger, 2009), yet recent scholarship has drawn attention to another, much less studied dimension of meaning. The search for meaning was important to early scholars (e.g., Crumbaugh, 1977; Frankl, 2009), yet recent scholarship has focused almost exclusively on the degree to which people internalized by unidimensional approaches, meaning in life research

1.3. The present study

The aim of the present study is to extend our existing knowledge about the relations between religiousness and meaning in life by examining both phenomena multidimensionally. Individual religiosity is conceptualized as an intersection of two underlying dimensions, acceptance (vs. rejection) of religious beliefs (IT) and the symbolic (vs. literal) way how religious questions are approached (SI). People’s subjective experience of life’s meaningfulness of one’s life also will be approached multidimensionally, including several conceptualizations and measures of presence of meaning and a measure of search for meaning.

The following hypotheses were tested in the present study:

1. We expect positive relationship between IT and multiple indices of presence of meaning. Any variations in the magnitude of relations across measures of presence of meaning will be identified, as well.

2. Previous research suggests that SI is connected to more healthy psychological functioning and more open cognitive style (Dezutter et al., 2006). Therefore, we expect a positive relation between measures of presence of meaning and SI.

3. Although there have been several investigations into the role of religiosity in experiencing meaning in life, similar research on the search for meaning dimension has lagged behind. Search for meaning may represent an uncertainty that is less congruent with deeply held religious beliefs (i.e., higher IT). It also may represent an accepting and flexible attitude that is more consonant with a symbolic interpretation of religiosity. Therefore we assume that IT and search for meaning will be negatively related. In contrast, we assume that a more symbolic approach to religious contents would positively associate with the search for meaning dimension, since both of them are related to openness and flexibility (Duriez et al., 2004; Steger, Kashdan, Sullivan, & Lorentz, 2008).

Two cross-sectional studies were conducted on convenience samples of Hungarian adults to test these assumptions. Study 1 tested the link between dimensions of religiosity and multiple measures of the presence of meaning. Study 2 extended this focus with the dimension of search for meaning. Moreover, since personality traits were found to be correlates for both religiosity (Henninggaard & Arnau, 2008) and meaning constructs (Halama, 2005; Schnell & Becker, 2006; Steger et al., 2008), the five factor model of personality was assessed in Study 2 to control for possible confounding effects.

Both studies were conducted with respect to the ethical standards of the Hungarian Psychological Association. SPSS 13.0 statistical program pack was used throughout the analyses.

2. Study 1

2.1. Method

2.1.1. Sample and procedure

Participants were 330 Hungarian speaking adults, 158 males (mean age 32.9 ± 13.9 years) and 172 females (mean age 33.1 ± 15.3 years), from various types of settlements, including the capital of the country and its surrounding. Most of the sample was Catholic (51.8%), followed by other Christian (19.8%), non-affiliated religious (7.3%), non-Christian (1.2%), and non-religious (19.7%), with five missing cases, roughly reflecting the proportions of denominations in the Hungarian population. Education was assessed in years (8–25 years, M = 14.61, SD = 2.86). Participants were psychology students enrolled in an introductory personality psychology course and volunteer participants they recruited among their friends and relatives as partial fulfillment of the course requirements. Responses were anonymous and confidential.

2.1.2. Measures

2.1.2.1. Purpose in Life Test. The Purpose in Life Test (PIL; Crumbaugh & Maholick, 1964) is the most often used measure of life meaning. Research has supported the reliability and convergent and divergent validity of the PIL (e.g., Reker & Fry, 2003). Psychometric properties of the Hungarian version were also found to be appropriate (Konkoly Thege & Martos, 2006). Cronbach’s alpha was .90 in this sample.

2.1.2.2. Existence Scale. The Existence Scale (ES; Längle, Orgler, & Kundi, 2003) is a measure of the four basic elements of the existential perspective: perception, recognition of values, competence for decision-making, and responsibility. These elements represent the personal abilities thought to be the most important personal competencies for existence. The shortened 8-item version of the scale was validated in a Hungarian sample (Konkoly Thege & Martos, 2008). A total scale score was derived with acceptable internal consistency in the present sample (alpha .74).

2.1.2.3. Post-Critical Belief Scale. The shortened 18-item Hungarian version (Martos, Kézdy, Robu, Urbán, & Horváth-Szabó, 2009) of the Post-Critical Belief Scale (PCBS, Hutsebaut, 1996) was used to measure two dimensions of religiosity. To directly obtain scores for IT and SI, we followed the procedure developed by Fontaine, Duriez, Luyten, and Hutsebaut (2003) for PCBS. Accordingly, we performed PCA with Procrustes rotation using the Hungarian average structure (Martos et al., 2009) as a target matrix. Tucker phi indices indicated an excellent fit of the actual data with the target matrix (.99 for the first and .97 for the second component), also proving the reliability of our measure. Transformed component scores (M = 0) were used as variables representing the Inclusion vs. Exclusion of Transcendence dimension and the Symbolic vs. Lit-
eral Interpretation dimension. Higher scores mean more accepting attitudes towards the transcendent reality (i.e., IT), and a more symbolic processing of religious contents (i.e., SI), respectively.

2.2. Results

Basic descriptive statistics as well as zero order correlation coefficients were calculated for the variables in the study (Table 1). The PIL and ES correlated strongly, demonstrating both scales measure a similar construct. In support of Hypotheses 1 and 2, both scales correlated positively with IT and SI, with a stronger correlation between IT and the PIL vs. IT and the ES (Fisher-z = 2.44, \( p < .05 \)).

Hierarchical multiple regression analyses were run for both life meaning measures with gender, age and years in education in the first step and with IT and SI in the second step (see Table 2). Demographic variables were entered in the first step, with the three meaning variables as dependent variables in turn controlled for. Both presence of meaning measures correlated positively with IT and SI, with a stronger correlation between IT and the PIL vs. IT and the ES (Fisher-z = 2.44, \( p < .05 \)).

Table 2

Hierarchical regression analysis for predicting meaning constructs, Study 1.

<table>
<thead>
<tr>
<th>Predictors</th>
<th>Standardized beta weights</th>
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</thead>
<tbody>
<tr>
<td>PIL</td>
<td></td>
</tr>
<tr>
<td>Step 1</td>
<td></td>
</tr>
<tr>
<td>Gender</td>
<td>-.15***</td>
</tr>
<tr>
<td>Age</td>
<td>-.11*</td>
</tr>
<tr>
<td>Education (years)</td>
<td>.10</td>
</tr>
<tr>
<td>( \Delta F )</td>
<td>-.04</td>
</tr>
<tr>
<td>( \Delta \beta )</td>
<td>5.03***</td>
</tr>
<tr>
<td>IT</td>
<td>4.39***</td>
</tr>
<tr>
<td>SI</td>
<td>-.04</td>
</tr>
<tr>
<td>Step 2</td>
<td></td>
</tr>
<tr>
<td>IT</td>
<td>.22***</td>
</tr>
<tr>
<td>SI</td>
<td>.16***</td>
</tr>
<tr>
<td>( \Delta F )</td>
<td>15.27***</td>
</tr>
<tr>
<td>( \Delta \beta )</td>
<td>6.67**</td>
</tr>
<tr>
<td>Total ( R^2 ) for equation</td>
<td>.13</td>
</tr>
<tr>
<td>Total ( F ) for equation</td>
<td>9.39***</td>
</tr>
</tbody>
</table>

Notes: coefficients are from the final model.
* \( p < .05 \).
** \( p < .01 \).
*** \( p < .001 \).

Bivariate correlations are presented in Table 3. The correlation between the MLQ-Presence (MLQ-P) and the ES was higher than any other correlation for these two scales, but was lower than the correlation between PIL and ES in Study 1. MLQ-Search (MLQ-S) correlated with both MLQ-P and ES negatively, but moderately. Both presence of meaning measures correlated positively with the IT, although only the ES correlated with SI. Because of several significant correlations between personality traits and both meaning measures and dimensions of religiosity, in the subsequent hierarchical linear regression analyses personality was also controlled for.

Table 1

Descriptive statistics and bivariate correlations of the variables in Study 1.

<table>
<thead>
<tr>
<th></th>
<th>Total</th>
<th>Zero order correlations</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>( M )</td>
<td>( SD )</td>
</tr>
<tr>
<td>1 Age</td>
<td>32.98</td>
<td>14.60</td>
</tr>
<tr>
<td>2 Education (years)</td>
<td>14.61</td>
<td>2.86</td>
</tr>
<tr>
<td>3 IT</td>
<td>0.00</td>
<td>1.00</td>
</tr>
<tr>
<td>4 SI</td>
<td>0.00</td>
<td>1.00</td>
</tr>
<tr>
<td>5 PIL</td>
<td>103.25</td>
<td>16.82</td>
</tr>
<tr>
<td>6 ES</td>
<td>37.01</td>
<td>6.57</td>
</tr>
</tbody>
</table>

\( p < .05 \).
*** \( p < .01 \).
*** \( p < .001 \).
the final step. In this sample, age was found as consistent significant predictor for all meaning measures, with higher age predicting higher ES and MLQ-P and lower MLQ-S.

The full model accounted for 42% of the variance in ES scores, with personality accounting for most of the variance (35%). Religiosity dimensions significantly accounted for additional 2%. ES was positively predicted by extraversion, agreeableness and conscientiousness (positively) and by neuroticism (negatively). After controlling for demographics and personality, only SI positively predicted ES.

The full model explained 24% of the variance in MLQ-P scores. Personality accounted for roughly half of the variance in MLQ-P scores (17%) as it did for ES scores. Again, religiosity dimensions explained a significant amount of additional variance (3%). Similar to ES, MLQ-P was also predicted by extraversion, agreeableness and conscientiousness (positively) and by neuroticism (negatively). In contrast to the ES, after controlling for demographics and personality, MLQ-P was positively predicted by IT, but not SI.

The full model explained 16% of the variance in MLQ-S scores. Neuroticism was the only personality trait that predicted MLQ-S scores (positively). After controlling for demographics and personality traits, religiosity dimensions still explained a significant amount of variance (2%). MLQ-S was positively predicted by SI, but not IT.

4. Discussion

The present study provided a much-needed multidimensional examination of the relations between religiosity and meaning in life. In particular, we were interested in the role that religiosity may play in the subjective experience of life’s meaningfulness. In two studies, significant relations were found, supporting previous research. Unlike much previous research, we controlled for five factor model personality traits in Study 2, showing a link between religiosity and meaning above and beyond basic personality. Moreover, basic demographic characteristics were also controlled for. Thus, our initial assumption about religiosity as independent correlates of life meaning was confirmed. In addition, new and potentially important insight into this relationship was gleaned from the multidimensional approach of the current study.

4.1. Dimensions of religiosity and meaning

Previous research on religion and meaning has focused on the single dimension of strengths of religious commitment or beliefs. We used the Post-Critical Belief Scale to assess this dimension (Inclusion of Transcendence, IT) as well as the flexibility and openness with which those beliefs are held (Symbolic Interpretation, SI), allowing the opportunity to try to understand meaning in life in terms of both whether people believe and also how they believe. We also used three different measures to assess two basic dimensions of meaning in life, presence of meaning and search for meaning. Among our measures, MLQ-Presence represents the most clean pure strength of belief seems most related to pure meaning in life. In particular, the PIL includes elements of both explicit meaningfulness and the ingredients that create implicit meaning (Crumbaugh & Maholick, 1964). Significant relations were found across all measures, with variations that shed light on which aspects of religiosity appear to support which aspects of meaning in life. In regression analyses, the MLQ-P was related only to IT; the ES was related only to SI; the PIL was related to both dimensions of religiosity. Thus, pure strength of belief seems most related to pure meaning in life judgments, and flexibility of beliefs seems most related to the way in which people build meaning in life.

This interpretation is sustained by the differential pattern of correlations revealed for the second dimension of meaning in life,
search. Search for meaning was related only to SI. Search for meaning refers to people's restless quest to seek greater meaning in life. Because SI is associated with more mature identity styles (Duriez et al., 2004) and more deeply internalized religious activities (Neyrinck, Vansteenkiste, Lens, Duriez, & Hutsebaut, 2006), the relation between the two variables may indicate that searching for meaning is part of a mature approach to religiosity. This interpretation is also in line with the notion that having a “questing” orientation distinguishes mature religiosity (cf. Batson, Schoenrade, & Ventis, 1993). Like religious quest, however, search for meaning is a complex variable, positively related to neuroticism and anxiety on the one hand, and to greater curiosity and less dogmatism on the other (Steger et al., 2006, 2008), thus, search for meaning in religious contexts may indicate both struggle and growth.

Finally, comparison of results of the two studies suggests a clearer discrimination along religiosity dimensions for the multidimension approach (presence of meaning and search for meaning) of the MLQ, in contrast to the equal association of unidimensional meaning in life measures (PIL, ES) with both religiosity dimensions.

4.2. Limitations

Our study has certain limitations that have to be considered while interpreting the results. First, as a cross-sectional study, direct causality can not be inferred from the studies. Second, several background variables were not assessed in our studies, although they may play a role both in religiousness and meaning in life (e.g., health status, stressful life events, religious conversion). Third, it is unclear whether our non-representative convenience samples are generalizable to other samples. This concern may be supported by the opposite patterns found for the associations with gender and age in multivariate analyses of Studies 1 and 2.

4.3. Conclusions

“For many, the most salient core psychological function of religion is to provide a sense of meaning and purpose in life” (Batson & Stocks, 2004, p.149). The present study gives some support to this assertion showing that religious individuals may experience greater meaning, especially when their religiosity is complex and mature, with an open, searching attitude toward the sacred (cf. Pargament, Magyar-Russell, & Murray-Swank, 2005). Research should therefore shift away from simplistic confirmations of relations between religion and meaning, and move toward greater understanding of the complex ways in which interpreting and engaging with religiosity and meaning influence each other. The present study points toward one way of doing so.

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