

**The World at 7:
Comparing the Experience of Situations across 20 Countries**

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Abstract

Objective: The purpose of this research is to quantitatively compare everyday situational experience around the world.

Method: 5447 members of college communities in 20 countries, recruited by local collaborators, provided data via a website in 14 languages. Using the 89 items of the Riverside Situational Q-sort (RSQ), participants described the situation they experienced the previous evening at 7pm.

Results: Correlations among the average situational profiles of each country ranged from $r = .73$ to $r = .95$; the typical situation was described as largely pleasant. Most similar were USA/Canada; least similar were South Korea/Denmark. Japan had the most homogenous situational experience, South Korea, the least. The 15 RSQ items varying the most across countries described relatively negative aspects of situational experience; the 15 least varying items were more positive. Further analyses correlated RSQ items with national scores on six value dimensions, the Big Five traits, economic output, and population. Individualism, Neuroticism, Openness and Gross Domestic Product yielded more significant correlations than expected by chance.

Conclusion: Psychological research traditionally has paid more attention to the assessment of persons than of situations, a discrepancy that extends to cross-cultural psychology. The present study demonstrates how cultures vary in situational experience in psychologically meaningful ways.

Keywords: *cross-cultural psychology; cultural comparisons; situational assessment; situations*

The World at 7:

Comparing the Experience of Situations across 20 Countries

People around the world are in some respects different and in some respects the same (Kluckhohn & Murray, 1953, p. 53) and so, too, are the situations they experience (Brown, 1991). But despite the widespread acknowledgement that behavior is a function of both the person and the situation, researchers have traditionally paid more attention to the assessment of attributes of the former than the latter (Bem & Funder, 1978; Sherman, Nave & Funder, 2010; Wagerman & Funder, 2009), and this difference extends to cross-cultural psychology.

Numerous investigations have identified differences in the ways persons differ psychologically across countries (Church, 2010)¹. These differences include social orientation, e.g., interdependent vs. independent styles of self-construal (Markus & Kitayama, 1998; Masuda & Nisbett, 2001), personality structure, e.g., the degree to which the “Big Five” traits account for individual differences in diverse cultures (Gurven, Rueden, Massenkoff, & Kaplan, 2013; McCrae & Allik, 2002; McCrae & Costa, 1997), and the degree to which international differences in personality match national stereotypes (Hřebíčková & Graf, 2014; McCrae et al., 2013; Realo et al., 2009; Terracciano et al., 2005). Recent studies have also addressed national differences in within-person behavioral variability (Ching et al., 2013; Church et al., 2013).

Research has paid less attention to the experience of everyday situations. The traditional method for assessing the cultural environment has been anthropological field work, in which skilled researchers immerse themselves in unfamiliar settings, interview informants,

¹ Exact definitions of “culture” vary and the issues are complex (Valsiner, 2003), but most (not all) “cross-cultural” research entails comparisons across different nations, the approach we take in the present study.

and return with detailed or “thick” descriptions (Shweder, 1991). However, this style of anthropology generally eschews cross-cultural comparison, which is sometimes seen as inimical to full understanding (Frake, 1980).

Within psychology, Gelfand et al. (2011) asked participants in 33 countries to rate the degree to which social norms constrained behavior in briefly-described hypothetical settings (e.g., bank, park, bedroom), and Church, Katigbak, and del Prado (2010) gathered ratings of the degree to which hypothetical situations were conducive to expressing the Big Five personality traits. Other pioneering studies asked participants in the US and Japan to recall situations relevant to their self-esteem (Kitayama, Markus, Matsumoto, & Narasakunkit, 1997) and emotions (Kitayama, Mesquita, & Miyamoto, 2006). But such research remains rare, and none of these groundbreaking efforts comprehensively compared ordinary daily situations assessed from the viewpoint of persons who had recently experienced them. Yet such assessment is important, because the environments people encounter every day manifest both universal and specific aspects of culture. Indeed, to the extent that people differ across cultures, this is almost certainly due to the experiences they encounter while living in them (Brown, 1991; Oyserman, in press; Triandis, 1996).

The paucity of cross-cultural research on situational experience may stem from the lack of a comprehensive assessment tool. Creative researchers have addressed the classification of situations within single countries (Bem & Funder, 1978; Edwards & Templeton, 2005; Forgas & Van Heck, 1992; Kelley et al., 2003; Magnusson, 1971; Reis, 2008; ten Berge & De Raad, 1999; Van Heck, 1984; Yang, Read & Miller, 2006). However, none of their work yielded a usable measurement instrument, much less one that could be applied cross-culturally. The Riverside

Situational Q-sort (RSQ) is a step towards filling this gap.

The Riverside Situational Q-sort (RSQ)

The recognition that behavior is a function of the interaction between the person and the situation implies a need for comparable measurement of all three elements of the “personality triad” (Funder, 2006). The 100-item California Adult Q-sort (CAQ) has long been available as a comprehensive measure of personality (Block, 1978). The 68-item Riverside Behavioral Q-sort (RBQ) was developed several years ago as a parallel means to assess behavior (Funder, Furr, & Colvin, 2000; Furr, Wagerman & Funder 2010). The RSQ was developed more recently as the third member of this group of instruments (Wagerman & Funder, 2009).

Various writers have agreed that situations can be conceptualized at three basic levels (Block & Block, 1981; Gelfand, 2007; Saucier, Bel-Behar & Fernandez, 2007; Wagerman & Funder, 2009). The first is *Macro/Physico-biological/Environmental*, which includes climate, location, and number of people in the room; ecological, historical and socio-political factors; and possibly physiological arousal, but does not include psychological aspects of the situation as separate from these specific, objective properties. The second level, *Meso/Canonical/Consensual*, refers to psychological aspects of the situation that, while intangible, can be widely agreed upon by competent social observers. The final level, *Micro/Subjective/Functional*, defines properties of situations in terms of individuals’ (perhaps idiosyncratic) perceptions of them. The RSQ aims at the *Meso/Canonical/Consensual* level of analysis, with 89 items including "Situation is potentially emotionally arousing," "Others are present who need or desire reassurance," and "Situation is potentially enjoyable."

Participants use the RSQ to describe their situational experience by arranging its 89

items into a 9-step, forced-choice distribution ranging from "highly uncharacteristic" (category 1), to "highly characteristic" (category 9). The distribution is quasi-normal, with the bulk of the items directed to the middle categories. The few items that make it into the extreme, 1 or 9 categories therefore scale a high hurdle of being judged more descriptive than the vast majority of the others.

Utilizing the RSQ for Cross-cultural Research

Appropriate measurement is critical in cross-cultural research. In particular, research should a) avoid imposing complex constructs that may not replicate across cultures, b) carefully back translate items that are as free as possible of cultural idioms, and c) administer measurements in a uniform manner across cultures (see van de Vijier and Leung, 2011 for a review). The present study using the RSQ takes all of these issues into consideration.

First, the RSQ items were not determined or restricted by any particular theory. They were largely based on the comprehensive set of personality-descriptive items provided by the CAQ. For example, the first item of the CAQ reads, "Is critical, skeptical, not easily impressed." The first item of the RSQ is "Someone is trying to convince P (the person in the situation) of something." The presumption is that a skeptical person would react to this situation one way; a credulous person in the opposite way. (See Wagerman & Funder, 2009, for more details on the development of the RSQ.) For purposes of the present study, we developed a new version of the RSQ to minimize the use of jargon and make translations easier (Funder & Guillaume, 2013).

Next, the forced-choice format helps reduce the influence of response styles that can plague cross-cultural research (Ross & Mirowsky, 1984; van de Vijver & Leung, 1997, 2011). For example, "acquiescence bias," the tendency to agree with items regardless of their content, is

eliminated by the RSQ because a set number of items are placed into each evaluative category. The “social desirability” bias, the tendency to rate desirable items high and undesirable items low, is reduced (if not wholly eliminated) because the highest and lowest rating categories are not large enough to contain all of the desirable and undesirable items, respectively. Additionally, the halo effect, which is the tendency to rate groups of semantically-related items similarly to each other, is attenuated because it is simply not possible to put all items of a type (e.g., all socially desirable items) into a single category.

Finally, forced-choice measures also help address reference group effects, in which participants make ratings in comparison to other members of their own peer (or cultural) group, a tendency which could deflate cross-cultural differences (Heine, Lehman, Peng & Greenholtz, 2002). With forced-choice measures, raters compare items to each other rather than to normative expectations. For example, a rater completing the RSQ must decide whether “Someone is trying to convince someone of something” is a more salient descriptor of a particular situation than “A job needs to be done,” but does not have to rate whether either of these items is higher or lower than it would be when describing other situations within his or her culture. Perhaps surprisingly, given these advantages, forced-choice measures such as the Q-sort are infrequently employed in cross-cultural research², despite suggestions that they might be helpful (Heine et al., 2002; McCrae et al. 2013).

Research Questions addressed by Q-sort Analyses

The ability of the RSQ to comprehensively measure situational similarity opens new

² See He, Bartram, Inceoglu & van de Vijver, 2014, for a recent exception.

research questions. One of the first published studies found that situations experienced over time by a given participant tend to be described more similarly to each other than to situations experienced by others (Sherman et al., 2010). Moreover, behavior is more consistent across situations described more similarly, and personality characteristics predict individual degrees of behavioral consistency, even after statistically controlling for situational consistency. Further studies found that the degree to which one's personality matches or is "congruent" with behavior in particular situations is associated with psychological adjustment (Sherman, Nave & Funder, 2012), and that construing a situation "distinctively" (i.e., differently from most other observers) is associated with personality attributes including Neuroticism and Openness (Serfass & Sherman, 2013; Todd & Funder, 2012). The RSQ has also been used to construct prototypical templates of situational categories suggested by evolutionary theory, allowing behavioral predictions to be empirically tested (Morse, Neel, Todd, & Funder, in press).

Examinations of individual RSQ items can also be informative. For example, extraverts are more likely to see themselves as the focus of attention, and men are more likely than women to see a potential for someone to be blamed for something (Sherman, Nave, & Funder, 2013). And, the first cross-cultural application of the RSQ found that behavioral correlates of items including "P [the participant rating his or her own situation] is being criticized" and "Members of the opposite sex are present" were remarkably similar in the United States and in Japan (Funder, Guillaume, Kumagi, Kawamoto, & Sato, 2012). This last finding is an encouraging indication that the RSQ may be suitable for cross-cultural research.

The Present Study

The present study is frankly exploratory, seeking to provide a base for future inductive

theory construction (Haig, 2005, 2014). More specifically, the present research has three goals:

1. Assess the experience of situations by people around the world on an ordinary day at 7 pm, as reported less than 24 hours later. The time of 7pm was chosen because a wide variety of possible activities may occur at that hour, ranging from eating dinner to socializing to working. Reporting on a situation experienced the previous evening may also help to minimize memory distortion or selective reporting.
2. Examine the degree to which situational experience at this hour is similar and different. Questions include: Which countries, on average, have the most and least similar situational experience at 7pm? Which countries have the most homogenous situational experience (experiences similar across participants within the country), and which countries are the most heterogeneous? How does the diversity of situations within countries compare to differences in situations between countries?
3. Examine specific differences in situational experience. Questions include: Which attributes of situations vary the most across countries? On those attributes, which countries have the highest and lowest means? What is the difference between the attributes that vary the most and least?
4. Correlate attributes of situational experience with attributes of countries including scores on values, average levels of the Big Five personality traits, economic data (gross national product), and population.

Method

Participants

All participants were members of college communities, primarily students, recruited by

research collaborators in each of 20 countries on five continents, using 14 languages, with a total N = 5,447 (Female = 3,488; Male = 1959, Mean age = 22 years). Table 1 provides details. From an original sample of 5485 participants, 22 were deleted for apparently reversing the response scale and 16 were deleted because of other failures to follow instructions or incomplete data.

Data-gathering Website

Data were gathered via a custom-built website, which was required for three reasons: 1) Available online platforms (e.g., Qualtrics; M-turk) could not support forced-choice measures or offer the drop-and-drag function necessary for completing Q-sorts; 2) The website needed to support multiple languages, including those using non-Roman characters; and 3) Several research locations lacked facilities for participants to complete measures in a lab. An interested reader can repeat the experience of a participant, in English, by going to this website (www.internationalsituationsproject.com), clicking on the US flag icon, and entering “amtest1” as the Study ID and “am001” as the participant ID (data entered will not be saved).

Procedure

Collaborators distributed login IDs to participants within each of their countries. The website asked participants to provide basic demographic information, and then to briefly describe, in their own words, the situation they experienced the previous evening at 7pm. Participants were instructed to describe only one situation, reporting 1) where they were, 2) who they were with, and 3) what they were doing. If a participant was sleeping, he or she was asked to describe what happened right before going to sleep, or right after waking. Examples of situational descriptions included: “My cousin came over and we were relaxing on the balcony

after a day of snowboarding. We were smoking cigarettes and drinking wine.” (US); “I was at my grandma's house eating dinner. I was with my cousins, aunts, uncles, grandma and my own family” (Singapore); “I sang using the karaoke box with my friend” (Japan); “I was cooking pizza with my boyfriend” (Italy); “At about 7 I was sitting in the sauna with my grandmother, adding some steam and whisking” (Estonia). Finally, participants described the situation using the Riverside Situational Q-Sort (RSQ).

Assessment of Situational Experience

The Riverside Situational Q-sort 3.15 (RSQ; Funder and Guillaume, 2013; previous version 2.0, Wagerman & Funder, 2009). Table 2 displays the 89 items along with their overall mean placement across 20 countries. These items, as well as the online instructions to participants, were translated from English into 13 other languages by our local research collaborators, and then independently back translated. The original and translated versions were then compared, and discrepancies resolved before the final translation was settled. For example, the initial translation into Japanese of item 77, "Affords an opportunity to express charm," was back translated as "Affords an opportunity to express attraction". The initial translation into Estonian of item 35, "A person or activity could be undermined or sabotaged," was back-translated as "A person or act could be hallowed or sabotaged." Such discrepancies were actually rather rare, and all were addressed in collaboration with our international collaborators before data gathering began.

Using a drag-and-drop function, participants began by sorting the 89 items of the RSQ, without restriction, into 3 categories of “uncharacteristic,” “neutral,” or “characteristic.” This first step simplifies the final task of arranging the items into 9 categories with a forced-choice

distribution ranging from “extremely characteristic” to “extremely uncharacteristic.” The numbers of items prescribed for each of the nine categories are as follows: 3, 6, 11, 15, 19, 15, 11, 6, and 3.

In data analyses, the 89 item ratings from each participant can be compared as a “profile” with the 89 ratings provided any other participant, by computing conventional correlation coefficients. Each item rating can also be averaged across individuals within a country, yielding a single average profile that can be compared with the average profile of other countries. In addition, mean placements of individual items can be compared across countries, and correlated with country-level variables.

Results

Cross-cultural Similarity and Within-country Homogeneity of Situational Experience

Cross-cultural similarity. For each country, we separated the samples by sex, and then averaged all participants’ RSQ-sorts. This yielded one RSQ-sort for each sex and each country. We then averaged the male and female RSQ-sorts within each country. This way, both genders contributed equally to the composite. This procedure yields a single list of 89 average RSQ-item placements for each country. These average Q-sorts can then be compared with each other using a standard Pearson correlation, yielding a 20 x 20 correlation matrix. The results appear in Table 3.

It can be seen that these correlations are in general very high, with an average cross-cultural similarity of $r = .84$. The highest similarity in average situational experience, perhaps

not surprisingly, was between the United States and Canada ($r = .95$; 95% CI [.93, .97], $df = 87^3$). The lowest similarity was between South Korea and Denmark ($r = .73$; 95% CI [.61, .82], $df = 87$). The overall high degree of cross-cultural similarity draws our attention back to Table 2, which reports the overall mean placement of each RSQ item across 20 countries. The highest rated items, overall, included descriptions of situations as simple and clear-cut, social, and potentially enjoyable. The lowest rated items referred to experiences of abuse and victimization, threats to independence, and physical threats. Around the world, the typical situation at 7 pm can be described as a largely pleasant social interaction.

The bottom rows of Table 3 show the average similarity of each country to the other 19, along with the confidence intervals around each mean. A conventional omnibus of variance demonstrates a significant difference among these means overall ($F(19, 360) = 9.71, p < .0001$). Canada was the country most similar to all the others (average $r = .89$; 95% CI [.88, .90], $df = 19^4$); the most distinctive countries were South Korea and Japan (both, average $r = .80$; 95% CI [.79, .81], $df = 19$). In most cases, countries with more than .03 differences in their average correlations were outside each other's confidence intervals. Thus, even though all the correlations are rather high, the variation among them is meaningful. For example, Canada and the US are almost identical in their average similarity to other countries, and are both less distinctive than Australia, Austria, Denmark, Japan, South Africa, and South Korea.

Within-country Homogeneity. The correlations described so far are all between averages

³ The df of 87 is based on the correlation stemming from 89 pairs of averaged item ratings; this estimate should be viewed with caution because of the probable lack of independence among Q-sort items, which lowers the number of degrees of freedom to an unknown degree (Sherman & Funder, 2009).

⁴ The df of 19 is for the mean of the 20 correlations between each country's average and the others.

computed within each country. With these data, it is also possible to assess the degree of similarity of RSQ reports among individuals *within* each country. This analysis entails correlating the complete RSQ report of each individual with that of every other individual within the country and then averaging these correlations. We did this separately within each gender, and then averaged the two within-country correlations, which are bold-faced on the diagonal in Table 4. Not surprisingly, these numbers are much smaller than the correlations in Table 3, because they represent correlations among *individuals* rather than country wide mean profiles.

The correlations along the diagonal in Table 4 can be interpreted as measures of within-country homogeneity of situational experience – the degree to which situational reports by individuals tend to resemble those of other individuals (of the same gender) in the same country. The country with the most homogenous cultural experience at 7 pm was Japan (within-country average $r = .28$; 95% CI [.26, .30], $df = 225$), and the least homogenous cultural experience was within South Korea (average $r = .12$; 95% CI [.09, .15], $df = 101$).

Further analyses correlated the RSQ offered by each participant in each country with every other participant (of the same sex) in each of the other countries, and the average of these correlations is reported in the off-diagonal cells of Table 4. It is readily apparent that these between-country comparisons, while indeed smaller than the within-country comparisons, are not dramatically so, with the limits of the confidence intervals barely apart (within country average $r = .20$, 95% CI [.18, .22], $df = 19$; across country average $r = .18$ 95% CI [.177, .182], $df = 189$)⁵. This finding underlines the conclusion drawn from the analyses in Table

⁵ CI's are reported here to three decimals to facilitate comparison with the between -country average.

3, which is that cross-cultural similarities seem to be a more notable feature of situational experience than cross-cultural differences.

Cross-cultural Differences in Attributes of Situational Experience

The next step in the data analysis was to explore the specific attributes of situational experience that vary more and less across countries. Notwithstanding the overall high degree of similarity in overall experience noted in the previous section, there were many such differences. In fact, when an analysis of variance is performed on the differences in average placement of each of the RSQ items across countries, *all* 89 of the F 's are significant at the conventional $p < .05$ level. However, this result is perhaps to be expected given that the overall N for each analysis is 5,447.

Positivity/Negativity and Cross-cultural Variation. More informative, therefore, is assessment of the effect size, which in this case is indicated by the eta (η). The 15 RSQ items that vary the most and least widely across countries, by this measure, are shown in Table 5. The items varying the most appear to be more negative than the items that varied the least. Among the most varying items are "People are disagreeing about something" and "Situation might make P feel inadequate"; among the least varying items are "Affords an opportunity for P to do things that might make P liked or accepted" and "Situation is potentially enjoyable." However, not all items in this Table are so clearly positive or negative, and exceptions are visible as well; e.g., the least varying items include "Situation may cause feelings of hostility." In order to test this informally, imperfectly observed pattern, 18 of our non-US lead research collaborators

rated the 89 RSQ items on the dimension of positivity-negativity⁶, using a 9-point scale with 1 representing “a negative experience” and 9 representing “a positive experience,” and then we computed the average of all of the ratings (overall $\alpha = .98$).

A simple *t*-test indicates that the 15 most varying items are indeed more negative than the 15 least varying items ($t(28) = 2.71, p = .011, r = -.46$). It should be noted that this relationship applies primarily to the 15 most and least varying items; across all 89 items the correlation between positivity and the eta measure of cross-cultural variation is $r = -.15$, which does not (quite) attain conventional significance ($p = .08, 95\% \text{ CI } [-.35, .06], df = 87$). Nonetheless, it does appear that -- in general and with some exceptions -- the items varying the most across countries describe more negative situational experiences than the items that vary the least.

Country-level Variables and Attributes of Situational Experience. The final step in data analysis was an exploratory investigation of the relationships between aspects of situational experience and country-level values, personality, economic output, and population. Previous research provided average scores for each of the 20 countries in our sample for six value dimensions: Power Distance, Individualism, Uncertainty Avoidance, Masculinity (also called Quantity of Life vs. Quality of Life and other labels), Long-term Orientation, and Indulgence (Hofstede, 1983; Hofstede Center, *nd*). Average national scores on the Big Five personality traits were available for 16 of our 20 countries (Schmitt, Allik, McCrae, & Benet-Martínez, 2007). For all 20 countries, we also obtained measures of Gross Domestic Product (United

⁶ None of the non-US collaborators had seen these data at the time they made their ratings.

Nations, 2015), per-capita Gross Domestic Product (International Monetary Fund, 2014), and population (Central Intelligence Agency, 2014).

In exploratory research such as this, it is important to assess the number of significant correlations that would be expected by chance. For this purpose, we used the test described by Sherman and Funder (2009; see also Sherman & Serfass, in press), in which the chance distribution of significant correlates is estimated over 10,000 randomized trials. This procedure allows estimation of the p -level of a list of correlates, taken as a set. Average value and personality scores were correlated with each of the 89 average RSQ placements for each country using this procedure.

Overall, only one value dimension and two Big Five personality traits generated more RSQ correlates than expected by chance⁷. Individualism yielded 9 situational correlates ($p = .06$), while the Big Five traits of Openness to Experience and Neuroticism both yielded 11 ($p = .05$ and $p = .06$, respectively). These correlates appear in Tables 6, 7 and 8.

We also assessed the correlation between RSQ elements of situational experience and two economic indicators, the national Gross National Product (GDP) and the Gross National Product per-Capita (GDPPC), as well as each country's population. Only the first of these variables generated more significant correlates than expected by chance (for GDP, the number of correlates expected by chance was 4.66, and the number obtained was 11, $p = .07$; for GDPPC, the number of significant correlates was 2, fewer than expected by chance, $p = .85$; for population, the number of significant correlates was 8, $p = .22$). The correlates of GDP appear

⁷ For purposes of these exploratory analyses, we used a threshold of $p < .10$.

in Table 9⁸.

Among other correlates, situations in countries with higher GDP were more likely to include someone being blamed, someone being dominated, and uncertainty; they were less likely to include behavioral limits or to include stimuli that could be construed sexually.

Countries with high absolute GDP (as opposed to per-capita GDP) also tend to have higher populations (across the 20 countries in our sample, $r = .59$, $p < .01$). Even though the number of correlates of population did not exceed chance, each of the same correlations just listed for GDP are also significant, in the same direction, for population – and both sets of correlates are heavily influenced by the US and China, which are relatively high in both population and GDP.

Discussion

Conclusions

First, the situational experience of individuals around the world at 7pm was, on average, highly similar and largely pleasant, and the homogeneity of individual situational experience was nearly as large between as within countries. This finding emerged even though the study examined situational experience in 20 countries, on 5 continents, using materials rendered in 14 different languages. While this degree of similarity may or may not be surprising, it is an encouraging indication that instructions to participants and the content of the RSQ items were indeed understood similarly across many different countries and languages.

Second, despite this overall similarity, specific aspects of situational experience did vary. All 89 of the RSQ items differed “significantly” across countries according to conventional

⁸ The significant correlates of all the value, personality, economic and population variables, along with the results of the respective randomization analyses, are reported in the supplementary materials.

analysis of variance – which is unsurprising given the large N. More interesting was an unpredicted finding that needs replication in future research: The items that varied the most across countries described more negative aspects of situations than the items varying the least. One reason may be that that content and enforcement of social norms varies across cultural environments (Gelfand et al., 2011; Reno, Cialdini & Kallgren, 1993). Thus the experience of the negative situations such norms regulate may vary as well. In other words, perhaps Tolstoy was right⁹; there may be more ways to be unhappy than to be happy – or, at least, negative aspects of situational experience appear more likely to vary across cultures than positive ones.

Finally, exploratory analyses examined the country-level correlations between situational experience and six dimensions of values and the Big Five personality traits, along with economic output and population. Although the N for these analyses – the number of countries in our sample for which these national scores were available – was small (16 for the traits and 20 for the other variables), one value dimension, two Big Five traits, and Gross Domestic Product correlated with more RSQ aspects of situational experience than expected by chance, according to randomization analyses (Sherman & Funder, 2009; Sherman & Sefass, in press).

The value dimension of Individualism is typically interpreted to reflect values such as “everybody is supposed to take care of him/herself and his/her immediate family,” an “emphasis on individual initiative and achievement,” and the idea that “everybody has a right to a private life and opinion” (Hofstede, 1983, p. 62). The positive correlates of this dimension

⁹ "Happy families are all alike; every unhappy family is unhappy in its own way," *Anna Karenina*.

include “Situation raises issues of power” and “P is being criticized,” which seem compatible with the traditional definition. However, other, negative correlates include “Rational thinking is called for” and “Affords an opportunity to express unusual ideas or points of view.” This last correlate (item 41), in particular, appears to go in the opposite direction to what the usual interpretation of Individualism would have led one to expect, and suggests that this cultural value and opportunities to express unusual views do not always go together. Closer examination of our data reveals that three countries, in particular, meet this description, largely accounting for the negative correlation. Denmark, Canada, and Australia are all relatively high in Individualism, but low on affording opportunities to express unusual ideas.

The country-level correlates of the Big Five trait of Openness to Experience are more theoretically sensible. Situations in countries high on this dimension are relatively likely to include people “disagreeing about something” (item 40) which could reflect lively intellectual exchange of the sort that might be expected in a culture where people, on average, are higher in Openness. Such exchange might also include an element of deceit, advice-giving, ethical issues, or even sexual topics. The situations in cultures where people are high on Openness are *less* likely to include abuse or victimization, questioning of autonomy, or including people who require reassurance. One country, Japan, was lowest both in average Openness and lowest on situations being characterized by disagreement; it is a culture that values consensus and works to avoid conflict. By contrast, the Czech Republic was relatively high on both items; its culture is characterized by energetic and sometimes intense debate¹⁰.

¹⁰ These cultural observations are from our Japanese and Czech co-authors, respectively.

Most of the country-level correlates of Neuroticism also make theoretical sense. Situations in countries with higher Neuroticism scores (Japan is highest) were relatively likely to include people who need reassurance and feel abused; they are less likely to include sexual stimuli or for social interaction to be possible – a possible indication of loneliness. However, not all correlates fit this pattern. Situations in countries higher in Neuroticism also scored lower on making people feel inadequate, tense or upset.

Further analyses explored national economic and population variables. While GDP was correlated with more situational aspects than would be expected by chance, per-capita GDP was not; nor was population. However, the correlates of population - relatively few as they were - overlapped with those of GDP, suggesting that larger countries in both economic output and population include more situations characterized by people being blamed and dominated, by uncertainty, and by a lack of behavioral limits. In particular, two countries with large GDP and large populations were characterized by high average placements on these RSQ items: the US and China. Although these countries are on opposite sides of the “east-west” divide often emphasized in cultural psychology, they do have in common a highly active and competitive economic environment.

Limitations

No prior study has comprehensively assessed situational experience around the world using a standardized assessment instrument. It should not be surprising, therefore, that this initial effort has several limitations.

First, and perhaps most obviously, the research uses a new instrument, the RSQ, for the assessment of situational experience. While using a common instrument across many contexts

has the advantage of allowing comparisons across different areas of research, the inevitable trade-off is that it may not be ideal for any particular application. Moreover, the original RSQ was developed by researchers in the US. Despite our care in translation through consultation with international colleagues, the measure could still be considered an “imposed etic” (Berry, 1980). Cross-cultural assessment of situations using dimensions developed by researchers from diverse countries would be a welcome addition to the literature. More generally, to the extent that interested researchers find important aspects of cultural variation missing from the RSQ, we would urge them to develop their own instruments to investigate how the findings of the present study are confirmed, contradicted or extended when a wider measurement net is cast.

A second limitation is that all of the participants in this study were members of college communities, and for the most part students. This aspect of the data could be considered advantageous to the degree that it holds relatively constant many factors that might otherwise vary widely across cross-cultural samples, including age, socio-economic status, and education level. This fact probably gives the present study a conservative bias, in that it will tend to underestimate cross-cultural differences to the extent that there is a global college “culture” (Flere & Lavrič, 2008). It seems possible – but remains to be shown empirically – that broader samples of participants would yield larger differences in situational experience.

A third limitation is simply that all participants in this study described the situation they experienced at a particular time of day, 7pm. While we chose this time for a reason – it seemed like an hour of the day in which activities were relatively free to vary – it is still just one moment. Ideally, we would have sampled each of our participants’ situational experiences several times, on different days of the week, at different hours of the day (as was done in an earlier study

using solely US participants; Sherman et al., 2010). However, this did not seem feasible for an initial study being conducted in 20 different countries. For now, this study offers only a portrait of “the world at 7,” a snapshot of situational experience at a particular time of day.

This brings us to a final limitation, which is that the study was based on assessments in “only” 20 countries. While that might seem like a good number – and one that we believe represents a decent start – other investigations of personality and culture have looked at even more (e.g., McCrae, 2002). In particular, our own sample, diverse as it is, lacks participants from Central and South America, India, and the Middle East. In addition, important cultural variation often can be found *within* nations (e.g., Allik et al., 2009; Tsai & Chentsova-Dutton, 2003).

Future Directions

Building on this initial effort, the most obvious directions for future research entail overcoming the limitations just noted. New and different instruments for situational assessment should be applied, including ones specifically designed for cross-cultural application. Wider ranges of participants should be recruited, ideally nationally representative samples within each country, and also including cultural subgroups within large and diverse nations such as China, India, Russia, and the US. Further efforts (which are, in fact, ongoing) should be made to recruit participants from under-represented areas of the world. Each participant should be asked to report on several situations experienced on different days of the week at varying times of day.

The Active Ingredients of Culture

The central data in this study reflect how participants described their recent, specific *experience* of situations. This is a distinctive aspect of the present research, because the data

reflect assessments of cultural environments offered by the individuals who actually experience them – not by researchers trying to interpret unfamiliar cultural contexts from the point of view of visitors. This fact is critical, because the psychological impact of situations is mediated by how they are experienced (Brown, 1991; Oyserman, in press). By providing unprecedented findings about the degree to which situational experience is similar and different around the world, and the national-level aspects of personality, values, and environment that are associated with these differences, the present study offers unique insights into the active ingredients of culture, and opens new questions for future research.

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Table 1

Samples from 20 Countries. Total N = 5447; Females: 3488; Males: 1959

Country	Language of Assessment ¹	Compensation	N	Female	Male	Mean Age
Australia	English	Course credit	141	109	32	20
Austria	German	Volunteer	87	71	16	25
Canada	English	Course credit	191	126	65	21
China	Simplified Chinese	\$0.67 per person	1565	854	711	22
Czech Republic	Czech	Volunteer	220	159	61	28
Denmark	Danish	Volunteer	126	102	24	23
Estonia	Estonian	Volunteer	314	251	63	26
Germany	German	Course Credit	70	55	15	27
Italy	Italian	Course credit	144	75	69	23
Japan	Japanese	Volunteer	227	107	120	20
Netherlands	Dutch	Course credit	258	220	38	20
Poland	Polish	Volunteer	97	73	24	24
Russia	Russian	Course credit	101	80	21	21
Singapore	English	Course credit	158	109	49	21
Slovakia	Slovak	Volunteer	98	86	12	22
South Africa	English	Course credit	114	62	52	23
South Korea	Korean	Course credit	103	69	34	22
Spain	Spanish	Volunteer	108	78	30	22
UK	English	Course credit	107	75	32	21
US	English	Course credit	1218	727	491	20

¹ A small number of participants elected to respond in other than the country's primary language. One participant (each) in Australia, Canada, Estonia and the US responded in Chinese. Two participants in the Netherlands responded in German. Five participants in the Czech Republic responded in Slovak. One participant in Austria responded in English, as did 2 in Estonia and 24 in China.

Table 2

Riverside Situational Q-sort Version 3.15 (P refers to the person whose presence in the situation is at issue), Sorted in Order of Overall Mean Rating across 20 Countries

RSQ #	RSQ Situational Item	Overall Mean
rsq076	Situation is basically simple and clear-cut.	7.01
rsq056	Social interaction is possible.	6.64
rsq001	Situation is potentially enjoyable.	6.42
rsq007	Talking is permitted.	6.31
rsq046	Situation allows a free range of emotional expression.	6.00
rsq059	Situation includes sensuous stimuli (e.g., touch, taste, smell, physical contact).	5.85
rsq051	Close personal relationships are present or have the potential to develop.	5.83
rsq025	Rational thinking is called for.	5.81
rsq083	Situation is potentially emotionally arousing.	5.81
rsq003	A job needs to be done.	5.79
rsq073	Members of the opposite sex are present.	5.79
rsq063	Others present a wide range of interpersonal cues. (e.g body language, tone of voice, social signals).	5.78
rsq049	Affords an opportunity to ruminate, daydream or fantasize.	5.76
rsq008	Talking is expected or demanded.	5.72
rsq018	Situation is playful.	5.72
rsq067	Situation includes explicit or implicit demands on P.	5.70
rsq011	Minor details are important.	5.66
rsq057	Situation is humorous or potentially humorous (if one finds that sort of thing funny).	5.65
rsq006	P is counted on to do something.	5.64
rsq013	Affords an opportunity to demonstrate intellectual capacity (e.g., an intellectual discussion, a complex problem needs to be solved).	5.64
rsq024	A decision needs to be made.	5.63
rsq053	Situation includes intellectual or cognitive stimuli (e.g., books, lectures, intellectual conversation).	5.63
rsq035	Situation might evoke warmth or compassion.	5.63
rsq028	Affords an opportunity for P to do things that might make P liked or accepted.	5.62
rsq084	Affords an opportunity for demonstrating verbal fluency (e.g., a debate, a monologue, an active conversation).	5.62
rsq019	Introspection is possible (e.g., the atmosphere allows or encourages reflection upon deeply personal issues).	5.54
rsq009	P is being asked for something.	5.54
rsq041	Affords an opportunity to express unusual ideas or points of view.	5.53

rsq064	Situation includes behavioral limits	5.50
rsq087	Success requires cooperation.	5.50
rsq034	Situation includes one or more small annoyances.	5.46
rsq065	Situation includes aesthetic stimuli (e.g., art, music, drama, beauty).	5.45
rsq068	Affords an opportunity to express or demonstrate ambition.	5.44
rsq032	It is important for P to make a good impression.	5.40
rsq026	Situation calls for self-restraint.	5.37
rsq055	Situation includes potential for immediate gratification of desires (e.g., food, shopping, sexual opportunities).	5.36
rsq085	People who are present occupy different social roles or levels of status.	5.34
rsq052	Someone (other than P) is counted on to do something.	5.29
rsq022	A reassuring other person is present.	5.28
rsq012	Situation evokes values concerning lifestyles or politics.	5.27
rsq077	Affords an opportunity to express one's charm.	5.20
rsq020	Things are happening quickly [low placement implies things are happening slowly.]	5.18
rsq081	Others may need or are requesting advice from P.	5.16
rsq061	Success in this situation requires self-insight.	5.14
rsq010	Someone needs help.	5.14
rsq078	Situation involves social comparison.	5.11
rsq005	Someone is trying to convince P of something.	5.10
rsq054	Assertiveness is required to accomplish a goal.	5.09
rsq033	Situation would make some people tense and upset.	5.01
rsq004	Someone is trying to impress P.	4.97
rsq088	P is being complimented or praised.	4.94
rsq045	A quick decision or quick action is called for.	4.90
rsq030	Situation entails frustration (e.g., a goal is blocked).	4.90
rsq029	Others are present who need or desire reassurance.	4.89
rsq040	People are disagreeing about something.	4.87
rsq075	Situation has potential to arouse competing motivations.	4.86
rsq002	Situation is complex.	4.86
rsq058	P is the focus of attention.	4.85
rsq027	Situation involves competition.	4.83
rsq014	Situation is uncertain.	4.77
rsq021	Someone (present or discussed) is unhappy or suffering.	4.54
rsq089	Affords and opportunity to express femininity	4.48
rsq016	P is being criticized, directly or indirectly.	4.47
rsq044	Situation raises moral or ethical issues (e.g., a moral dilemma is present; a discussion of morality).	4.46
rsq066	Situation is potentially anxiety-inducing.	4.43

rsq031	Physical attractiveness (of P) is relevant.	4.38
rsq062	P controls resources needed by others.	4.36
rsq048	Situation entails or could entail stress or trauma.	4.33
rsq071	Situational demands are rapidly shifting.	4.32
rsq069	Situation might make P feel inadequate.	4.31
rsq047	Others present might have conflicting or hidden motives.	4.31
rsq017	Someone is attempting to dominate or "boss" P.	4.30
rsq036	A person or activity could be undermined or sabotaged.	4.29
rsq037	It is possible for P to deceive someone.	4.16
rsq039	Situation may cause feelings of hostility.	4.16
rsq050	Situation has potential to arouse guilt (in P).	4.11
rsq015	Another person [present or discussed] is under threat.	4.09
rsq080	Affords an opportunity to express masculinity	4.08
rsq038	Someone else in this situation (other than P) might be deceitful.	4.06
rsq060	Situation is relevant to P's bodily health (e.g., possibility of illness; a medical visit).	4.06
rsq043	Situation contains emotional threats.	3.96
rsq086	P is being pressured to conform to the actions of others.	3.96
rsq079	Situation raises issues of power (for P or others present).	3.92
rsq023	P is being blamed for something.	3.89
rsq074	Potential romantic partners (for P) are present.	3.86
rsq070	Situation includes stimuli that could be construed sexually.	3.38
rsq042	Situation contains physical threats.	3.31
rsq082	P's independence and autonomy is questioned or threatened.	3.17
rsq072	P is being abused or victimized.	2.17

Note. Ratings are from a Q-sort distribution ranging from 1 (highly uncharacteristic) to 9 (highly characteristic).

Table 3

Intercorrelations of Averaged RSQ Profiles of Females and Males (combined) across 20 Countries

	AU	AT	CA	CN	CZ	DK	EE	DE	IT	JP	NL	PL	RU	SG	SK	ZA	KR	ES	UK	US
AU	-	0.77	0.87	0.81	0.81	0.78	0.78	0.78	0.82	0.80	0.83	0.79	0.81	0.88	0.84	0.87	0.76	0.83	0.85	0.92
AT		-	0.87	0.83	0.83	0.83	0.82	0.89	0.84	0.77	0.85	0.82	0.82	0.85	0.84	0.82	0.77	0.83	0.82	0.82
CA			-	0.90	0.85	0.84	0.87	0.88	0.88	0.84	0.89	0.87	0.89	0.94	0.90	0.87	0.83	0.90	0.89	0.95
CN				-	0.83	0.81	0.86	0.86	0.86	0.80	0.84	0.85	0.86	0.86	0.83	0.81	0.82	0.85	0.82	0.87
CZ					-	0.85	0.87	0.87	0.87	0.78	0.83	0.86	0.86	0.85	0.87	0.85	0.80	0.83	0.83	0.84
DK						-	0.84	0.88	0.83	0.79	0.83	0.83	0.85	0.87	0.84	0.80	0.73	0.82	0.84	0.81
EE							-	0.85	0.86	0.81	0.83	0.88	0.86	0.86	0.85	0.84	0.79	0.84	0.85	0.85
DE								-	0.86	0.77	0.82	0.87	0.85	0.88	0.88	0.82	0.77	0.85	0.84	0.83
IT									-	0.8	0.84	0.84	0.86	0.87	0.85	0.82	0.81	0.87	0.84	0.88
JP										-	0.80	0.78	0.79	0.84	0.82	0.79	0.77	0.83	0.84	0.84
NL											-	0.82	0.85	0.87	0.83	0.84	0.80	0.86	0.86	0.90
PL												-	0.86	0.87	0.87	0.84	0.81	0.84	0.85	0.86
RU													-	0.88	0.85	0.83	0.82	0.86	0.84	0.88
SG														-	0.90	0.88	0.82	0.88	0.91	0.92
SK															-	0.84	0.80	0.85	0.88	0.89
ZA																-	0.76	0.83	0.86	0.86
KR																	-	0.81	0.79	0.84
ES																		-	0.89	0.91
UK																			-	0.91
US																				-
Ave.	0.83	0.83	0.89	0.84	0.84	0.83	0.85	0.85	0.85	0.80	0.84	0.85	0.85	0.88	0.86	0.83	0.80	0.86	0.86	0.88
95% CI	0.81-0.85	0.82-0.84	0.88-0.90	0.83-0.85	0.83-0.85	0.82-0.84	0.84-0.86	0.83-0.87	0.84-0.86	0.79-0.81	0.83-0.85	0.84-0.86	0.84-0.86	0.87-0.89	0.85-0.87	0.82-0.84	0.79-0.81	0.85-0.87	0.85-0.87	0.86-0.90

Note. Countries in alphabetical order: Australia, Austria, Canada, China, Czech Republic, Denmark, Estonia, Germany, Italy, Japan, Netherlands, Poland, Russia, Singapore, Slovakia, South Africa, South Korea, Spain, UK, US. Averages computed using the r - z transformation. The most similar countries (with each other and overall) are highlighted in green; the least similar are highlighted in red.

Table 4

Average Inter-individual RSQ Correlations within and across 20 Countries

	AU	AT	CA	CN	CZ	DK	EE	DE	IT	JP	NL	PL	RU	SG	SK	ZA	KR	ES	UK	US
AU	0.17	0.16	0.16	0.15	0.17	0.15	0.15	0.16	0.15	0.19	0.17	0.18	0.18	0.18	0.19	0.16	0.12	0.19	0.18	0.17
AT		0.18	0.18	0.17	0.19	0.17	0.17	0.20	0.17	0.19	0.19	0.20	0.19	0.18	0.20	0.17	0.14	0.20	0.18	0.16
CA			0.18	0.17	0.18	0.16	0.17	0.18	0.16	0.19	0.18	0.20	0.19	0.19	0.19	0.18	0.13	0.20	0.18	0.17
CN				0.18	0.18	0.16	0.17	0.18	0.16	0.18	0.17	0.19	0.19	0.17	0.18	0.15	0.13	0.11	0.17	0.16
CZ					0.23	0.18	0.19	0.21	0.18	0.20	0.19	0.21	0.21	0.19	0.22	0.18	0.14	0.21	0.19	0.17
DK						0.18	0.17	0.19	0.16	0.19	0.17	0.19	0.19	0.17	0.18	0.16	0.12	0.19	0.18	0.15
EE							0.19	0.19	0.16	0.19	0.18	0.20	0.19	0.18	0.19	0.16	0.13	0.19	0.18	0.16
DE								0.21	0.18	0.20	0.19	0.22	0.21	0.20	0.20	0.18	0.14	0.21	0.20	0.17
IT									0.17	0.18	0.17	0.18	0.19	0.17	0.18	0.15	0.13	0.19	0.17	0.15
JP										0.28	0.20	0.21	0.21	0.21	0.21	0.19	0.15	0.22	0.21	0.19
NL											0.21	0.20	0.20	0.18	0.20	0.18	0.14	0.21	0.19	0.18
PL												0.24	0.22	0.20	0.22	0.19	0.16	0.22	0.21	0.19
RU													0.23	0.20	0.22	0.19	0.16	0.22	0.20	0.19
SG														0.20	0.20	0.18	0.14	0.20	0.20	0.18
SK															0.22	0.19	0.14	0.21	0.21	0.18
ZA																0.17	0.13	0.19	0.19	0.16
KR																	0.12	0.15	0.14	0.13
ES																		0.25	0.21	0.19
UK																			0.21	0.18
US																				0.17

Note. Countries in alphabetical order: Australia, Austria, Canada, China, Czech Republic, Denmark, Estonia, Germany, Italy, Japan, Netherlands, Poland, Russia, Singapore, Slovakia, South Africa, South Korea, Spain, UK, US. Diagonal figures in **boldface** represent within-country homogeneity; highest is highlighted in **green** and lowest in **red**.

Table 5

<i>Most Varying RSQ Items with Average Positivity/Negativity Ratings and Etas</i>				<i>Least Varying RSQ Items with Average Positivity/Negativity Ratings and Etas</i>			
RSQ #	RSQ Item	Positivity	Eta	RSQ #	RSQ Item	Positivity	Eta
rsq083	Situation is potentially emotionally arousing.	5	0.32	rsq024	A decision needs to be made.	4.9	0.08
rsq029	Others are present who need or desire reassurance.	5.1	0.30	rsq073	Members of the opposite sex are present.	6.1	0.09
rsq067	Situation makes demands on P. (either explicitly or implicitly)	3.9	0.29	rsq012	Situation evokes values concerning lifestyles or politics.	5	0.09
rsq040	People are disagreeing about something.	3.5	0.25	rsq080	Affords an opportunity to express masculinity	5	0.10
rsq008	Talking is expected or demanded.	4.6	0.23	rsq087	Success requires cooperation.	6.1	0.10
rsq069	Situation might make P feel inadequate.	2.3	0.23	rsq063	Others present a wide range of interpersonal cues.	6.2	0.10
rsq014	Situation is uncertain.	3	0.23	rsq001	Situation is potentially enjoyable.	8.1	0.10
rsq068	Affords an opportunity to express or demonstrate ambition.	5.7	0.22	rsq025	Rational thinking is called for.	5.6	0.10
rsq051	Close personal relationships are present or have the potential to develop.	7.9	0.22	rsq005	Someone is trying to convince P of something.	4.8	0.10

rsq084	Affords an opportunity for demonstrating verbal fluency. (e.g., a debate, a monologue, an active conversation)	6	0.22	rsq028	Affords an opportunity for P to do things that might make P liked.	7.2	0.11
rsq072	P is being abused or victimized.	1.1	0.22	rsq062	P controls resources needed by others.	6.1	0.11
rsq037	It is possible for P to deceive someone.	3	0.22	rsq055	Situation includes potential for immediate gratification.	7.8	0.11
rsq023	P is being blamed for something.	1.5	0.22	rsq006	P is counted on to do something.	5.3	0.11
rsq085	People who are present occupy different social roles or levels of status.	5.2	0.20	rsq020	Things are happening quickly	5.6	0.11
rsq066	Situation is potentially anxiety-inducing.	2.3	0.20	rsq039	Situation may cause feelings of hostility.	1.6	0.11
Average positivity:		4		Average positivity:		5.7	

Note. Item content abbreviated. Countries in alphabetical order: Australia, Austria, Canada, China, Czech Republic, Denmark, Estonia, Germany, Italy, Japan, Netherlands, Poland, Russia, Singapore, Slovakia, South Africa, South Korea, Spain, UK, US.

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Table 6

Situational Correlates of Individualism Across 20 Countries

Item #	RSQ Item	<i>r</i>	p-value
rsq079	Situation raises issues of power.	0.80	***
rsq034	Situation includes one or more small annoyances.	0.62	**
rsq016	P is being criticized, directly or indirectly.	0.53	*
rsq030	Situation entails frustration.	0.50	*
rsq060	Situation is relevant to bodily health of P.	0.47	*
rsq041	Affords an opportunity to express unusual ideas or points of view.	-0.73	***
rsq083	Situation is potentially emotionally arousing.	-0.69	**
rsq019	Introspection is possible.	-0.50	*
rsq025	Rational thinking is called for.	-0.48	*

Note. *** = $p < .001$, ** = $p < .01$, * = $p < .05$, + = $p < .10$. The number of correlates $p < .05$ was 9 and the number expected by chance was 4.39 ($p = .06$). Countries included in this analysis: Australia, Austria, Canada, China, Czech Republic, Denmark, Estonia, Germany, Italy, Japan, Netherlands, Poland, Russia, Singapore, Slovakia, South Africa, South Korea, Spain, UK, US.

Table 7

Situational Correlates of Openness Across 16 Countries

Item #	RSQ Item	<i>r</i>	p-value
rsq081	Others may need or are requesting advice from P.	0.75	***
rsq040	People are disagreeing about something.	0.73	**
rsq038	Someone else in this situation (other than P) might be deceitful.	0.60	*
rsq044	Situation raises moral or ethical issues.	0.58	*
rsq033	Situation would make some people tense and upset.	0.58	*
rsq070	Situation includes stimuli that could be construed sexually.	0.58	*
rsq056	Social interaction is possible	0.55	*
rsq029	Others are present who need or desire reassurance.	-0.77	***
rsq082	Independence or autonomy of P is questioned or threatened.	-0.76	***
rsq072	P is being abused or victimized.	-0.69	**
rsq008	Talking is expected or demanded.	-0.52	*

Note. *** = $p < .001$, ** = $p < .01$, * = $p < .05$, + = $p < .10$. The number of correlates $p < .05$ was 11, and the number expected by chance was 4.55 ($p = .05$). Cultures included in this analysis: Australia, Austria, Canada, Czech Republic, Estonia, Germany, Italy, Japan, Netherlands, Poland, Slovakia, South Africa, South Korea, Spain, UK, US.

Table 8

Situational Correlates of Neuroticism Across 16 Countries

Item #	RSQ Item	<i>r</i>	p-value
rsq029	Others are present who need or desire reassurance.	0.71	**
rsq072	P is being abused or victimized.	0.59	*
rsq008	Talking is expected or demanded.	0.58	*
rsq084	Affords an opportunity for demonstrating verbal fluency.	0.55	*
rsq051	Close personal relationships are present or have the potential to develop.	0.50	*
rsq070	Situation includes stimuli that could be construed sexually.	-0.61	*
rsq056	Social interaction is possible.	-0.59	*
rsq069	Situation might make P feel inadequate.	-0.55	*
rsq040	People are disagreeing about something.	-0.53	*
rsq033	Situation would make some people tense and upset.	-0.52	*
rsq050	Situation has potential to arouse guilt in P.	-0.51	*

Note. *** = $p < .001$, ** = $p < .01$, * = $p < .05$, + = $p < .10$. The number of correlates $p < .05$ was 11, and the number expected by chance was 4.54 ($p = .06$). Cultures included in this analysis: Australia, Austria, Canada, Czech Republic, Estonia, Germany, Italy, Japan, Netherlands, Poland, Slovakia, South Africa, South Korea, Spain, UK, US.

Table 9

Situational Correlates of Gross National Product across 20 Countries

Item #	RSQ Item	<i>r</i>	p-value
rsq023	P is being blamed for something.	0.71	***
rsq017	Someone is attempting to dominate or boss P.	0.56	**
rsq014	Situation is uncertain.	0.53	*
rsq054	Assertiveness is required to accomplish a goal.	0.47	*
rsq027	Situation involves competition.	0.47	*
rsq080	Affords an opportunity to express masculinity.	-0.80	***
rsq064	Situation includes behavioral limits.	-0.63	**
rsq073	Members of the opposite sex are present.	-0.55	*
rsq089	Affords an opportunity to express femininity.	-0.54	*
rsq085	People who are present occupy different social roles or levels of status.	-0.53	*
rsq070	Situation includes stimuli that could be construed sexually.	-0.52	*

Note. *** = $p < .001$, ** = $p < .01$, * = $p < .05$, + = $p < .10$. The number of correlates $p < .05$ was 11, and the number expected by chance was 4.66 ($p = .07$). Cultures included in this analysis: Australia, Austria, Canada, China, Czech Republic, Denmark, Estonia, Germany, Italy, Japan, Netherlands, Poland, Russia, Singapore, Slovakia, South Africa, South Korea, Spain, UK, US.