Research on Moral Judgment Competency of College Students in Mainland China with DIT-2

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1. Introduction

An important contribution to measurement in moral judgment research is James Rest’s Defining Issues Test (DIT), which was constructed and validated in the 1970s (Rest 1975, 1976, 1979a, 1979b; Rest, Cooper, Coder, Masanz, & Anderson 1974) and developed into DIT-2 in 1990s (Rest & Narvaez 1998; Rest, Thoma, Narvaez & Bebeau 1997). The test was constructed on the basis of Kohlberg's developmental theory, but different from it. Rest and his research team realized that the development of an individual's moral reasoning is not confined to one particular stage at a time, as claimed by Kohlberg. Instead, he has all stages of reasoning at a time, and the only difference from one another is the distribution of those stages at different times.

Based on the above notion, they proposed three developmentally ordered schemas. The first schema is Personal Interests. People in this schema care about the gains and losses of themselves and of the people with kinship or intimate relationship. They make moral decision based on the consideration of exchanging favor for favor, and on the intentions to maintain good relationships and seek approvals. The second schema is Maintaining Norms, which concerns “the formal structure of society as defined by institutions, rules and roles” (Rest et al. 1999), such as whether one should cooperate with non-kinship others, and how, based on the current laws, regulations, and norms, to develop cooperation in social scope, etc. Individuals adopting this schema take laws, order and regulations as the sole unchanged foundation of the structure of society, as well as the organizing vehicle for moral decision making through partial reciprocity. The third schema, Postconventional schema, is defined as “justifications for an act are made by arguing that the act would respect other people, that the act serves shareable social goals, that the act optimizes the welfare of all participants” (Rest et al. 2009). People in this schema take moral criteria (e.g., shareable ideals) over social conventions (e.g., laws and regulations), full reciprocity (e.g., the benefits of all human beings) over partial reciprocity (e.g., the benefits of a group of people), in moral decision-making. They are aware that the existing
laws and regulations can be biased and alterable, benefiting a certain group of people at the expense of another. Therefore, when the existing laws and legal systems are against sharable ideals, people have the right to change them based on moral criteria.

The scoring system of DIT-2 comes from the participant’s score in the above three schemas after rating and ranking of the five dilemma stories in the test. That is, the score in Personal Interest schema (thereafter PI score), the score in Maintaining Norms schema (thereafter MN score), the score in Postconventional schema (thereafter P score). N2 score is a composite score of the participant’s moral judgment competence which is calculated through the resultant weighted algorithm from both rating and ranking data.

Even though DIT-2 has been proved a well-validated measurement tool in America and other Western cultures (Davison et al. 1978; Martin et al. 1977; Rest 1979b), researches using DIT-2 in Chinese cultural setting are still limited.

Evidence shows that after DIT was introduced into mainland China in 1980s (Chen 1988; Gu & Li 1997), studies had been mostly focused on the theoretical research (Chen 1988; Gu & Li 1997; Yang & Wu 2004; Yang 2006). Xiujuan Sun was the first scholar to conduct empirical study with DIT-2 in mainland China. She tested DIT-2 reliability and validity in Chinese settings in her master thesis (Sun 2007). Her research proved that DIT-2 was applicable in non-western cultural settings. After her studies, there emerged some researches using DIT-2 to explore moral judgment competence of government officials (Zhao 2007), relationship between moral judgment and ethical audit (Li 2014), relationship between moral cognition development and ethical decision-making among accountants (Yang & Zeng 2014). Despite the flourishing research using DIT-2 in China, there is no scholar so far taking college students as participants to explore the general characteristics of their moral judgment competence, and to explore what demographic factors may influence them.

The purpose of this study was (1) to use DIT-2 to examine the moral judgment competence of college students in mainland China, and (2) to study whether gender, education level, major, academic performance and one-child family have significant effect on college students’ moral judgment competence.

2. Method

1.1 Sample

Students ranging from first to fourth year of undergraduate programs in a southern university in Mainland China were invited to take DIT-2 test in the class of Moral Psychology. The measure was presented in a group setting using the paper and pencil version following standard procedures (DIT-2 manual). Participants were offered one extra credit in that class for their participation.
The sample consisted of 831 students, of which 811 supplied valid data across measures by the Center for the Study of Ethical Development in University of Alabama. In this sample, there were 241 freshmen, 199 sophomore, 221 junior and 150 seniors. Age ranged very little in the sample because the undergraduate student population is quite traditional. Although both sexes were included in the sample, more women (N=527, 65.0%) than men (N=284, 35.0%) participated in the study. The students in question were studying a range of academic disciplines including: Education (N=100, 12.3%); Humanity (N=138, 17.0%); Language (N=175, 21.6%); Accounting (N=105, 12.9%); Natural Sciences (N=96, 11.8%); Informatics and Electronics (N=103, 12.7%); and engineering studies (N=84, 10.3%). Based on the information available, ages at baseline ranged from 16 to 23 years (M = 19.68, SD = 1.40) (see Table 1).

<table>
<thead>
<tr>
<th>Program</th>
<th>Number of participants (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Education</td>
<td>100 (12.3%)</td>
</tr>
<tr>
<td>Humanity</td>
<td>138 (17.0%)</td>
</tr>
<tr>
<td>Language</td>
<td>175 (21.6%)</td>
</tr>
<tr>
<td>Accounting</td>
<td>105 (12.7%)</td>
</tr>
<tr>
<td>natural sciences</td>
<td>96 (11.8%)</td>
</tr>
<tr>
<td>informatics and electronics</td>
<td>103 (12.7%)</td>
</tr>
<tr>
<td>engineering studies</td>
<td>84 (10.3%)</td>
</tr>
</tbody>
</table>

Table 1. Course of study of participants

1.2. Instrument

To explore the moral judgment competence of Chinese participants, and the related influencing factors, the instruments used in this research are: (1) Chinese version of DIT-2 test; (2) demographic items which include gender, education level, major, academic performance and one-child policy.

The English version was translated into Chinese with reference to the existing Chinese versions (Sun 2005). Sun’s Chinese version of DIT-2 was proved to be adequate in reliability (α=0.72) and validity. The translated Chinese version was then back-translated by two Chinese scholars who majored in English and now are teaching in American colleges into English to check the accuracy of translation.
3. Results and Discussion

1. Participants in the sample show a unique U pattern in schema distribution. The means and standard deviations of the DIT-2 indices (PI, MN, P, NZ) in the current sample are presented in Table 2. It illustrates that participants in this sample scored high in both Personal Interest schema and Postconventional schema, but low in Maintaining Norms schema.

<table>
<thead>
<tr>
<th>Schema</th>
<th>Mean</th>
<th>Standard Deviation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Postconventional</td>
<td>33.5</td>
<td>11.9</td>
</tr>
<tr>
<td>Personal Interest</td>
<td>29.2</td>
<td>10.8</td>
</tr>
<tr>
<td>Maintaining Norms</td>
<td>27.9</td>
<td>10.5</td>
</tr>
<tr>
<td>N2</td>
<td>32.6</td>
<td>10.6</td>
</tr>
</tbody>
</table>

Table 2: Means and standard deviations of the DIT-2 indices in Mainland Chinese sample

This pattern is different from the developmental pattern of moral judgment competence tested by DIT in general. Since DIT conceptualizes moral development as shifting distribution of the schemas when primitive ways of thinking are gradually replaced by advanced ways of thinking, it is naturally the case that the progression in higher schema means the degression in lower schema. That is how N2 score is calculated which has been stated in detail earlier in this paper.

To show it more clearly, a group of college students from America is taken for comparison with this sample. The data of the American participants is randomly taken from the data of the mega sample of the American participants from 2011 to 2014, which is provided by the Center for the Study of Ethical Development in University of Alabama. The American sample has the same size (N=811), with the same amount of participants of gender (female N=537, 65.5%; male N=284, 34.5%), divided the same by education level with the Chinese sample.

Table 3 presents the means and standard deviations of the DIT-2 indices with the American sample. As can be seen clearly, while there shows a consistent developmental trend from Personal Interest schema to Postconventional schema via Maintaining Norms schema in American participants, the Chinese participants show a unique U pattern, that is, high in Personal Interest schema and Postconventional schema but low in Maintaining Norms schema.
Table 3. Means and standard deviations of the DIT-2 indices in American samples

<table>
<thead>
<tr>
<th></th>
<th>Mean</th>
<th>Standard Deviation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Postconventional</td>
<td>34.2</td>
<td>15.5</td>
</tr>
<tr>
<td>Personal Interest</td>
<td>27.1</td>
<td>12.7</td>
</tr>
<tr>
<td>Maintaining Norms</td>
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<td>13.7</td>
</tr>
<tr>
<td>N2</td>
<td>33.3</td>
<td>14.9</td>
</tr>
</tbody>
</table>

The findings are consistent with some researches which claimed that the Chinese tend to have pervasive and persistent emphasis on affection and conformity (Ma 1988). However, it is in conflict with some other researches which suggest that Chinese participants all focused more on the conventional level than on the postconventional (Lin & Ho 2009), and Chinese participants place greater emphasis on helpfulness and obligation to kin (Chow & Ding 2002).

There are possibly two major reasons for the unique developmental pattern of the Chinese participants in this sample. Firstly, economic reformation changes people’s values. Since the government adopted the “reforming and opening up” policy at the end of 1970s, mainland China has experienced unprecedentedly innovative changes in economy, politics and culture. Different from the planned economy in which model all the resources and products were completely regulated and distributed by the government, the market economy requires that all the sales have to be manipulated by the market. The change in economic style promotes people’s personal initiative, self motivation and creativity. In accordance with the economic change, there have been predominant changes in both politics and culture. A highly centralized state which enforced administrative order and personal authority of the leader started to give way to a more democratic country which respects the equal role and legal interests of the individual in social context. In that situation, moral education in schools has also taken a transfer from a complete rejection of obtaining personal interests to reasonably accepting it.

The influence of traditional Chinese culture. Firstly, China has a 5000-year history of culture, which is greatly affected by Confucian ethics. In Confucian ethics, “family” and “country” are closely associated, and its essence is to educate an individual to love the country by cultivating himself and loving his family first. It believes that “self-cultivation of the individual serves as the basis for putting the family in order, which in turn is the basis for governing the state and pacifying the world” (Ma & Liu 2017).

With that said, traditional Chinese culture emphasizes the family relationship (kinship). As the old saying goes, “Expand the respect for the elderly in one’s family to that of other families, expand the love for the children in one’s family to that of other families, then it is easy to govern a
state” (Mencius, King Hui of Liang), family is the basis as well as the starting point of all social relations. The tight family relationship is also reflected in the Five Cardinal Relationships, which is used to manipulate the personal relationships in traditional Chinese culture. It emphasized the harmonious relationship between “Emperor and subjects, father and son, husband and wife, brothers, and friends.” Even in modern China, Five Cardinal Relationship is still playing an undeniably important role. According to a survey recently conducted all over China, the new Five Cardinal Relationships, a revised version of the old one as a result of modernization of China, still put the family relationships on the top three, i.e. father and son, husband and wife, brothers and sisters, colleagues or classmates, friends (Fan 2015, 12). Cross-cultural studies also found that Chinese participants showed a stronger orientation to perform affective and altruistic acts to first kin, close relatives and best friends than their English counterparts (Ma 1989; Cheung & King 2004).

Secondly, traditional Chinese culture also takes the moral standards like benevolence, righteousness, propriety, sincerity, etc. as the criteria to discipline one’s behaviors. ”Being righteous is the foremost thing in the world” (Mo-tse Scripture, ”The determined scholar and the man of virtue will not seek to live at the expense of injuring their virtue. They will even sacrifice their lives to preserve their virtue complete”. The Analects of Confucius, ”It is worth sacrificing oneself for justice” (Mencius), ”Riches and honors acquired by unrighteousness, are to me as useless as a floating cloud” (The Analects of Confucius), ”Righteousness should always be considered than benefits”. Those scriptures have been deeply rooted in Chinese people’s mind and strictly followed in their daily life.

With what is stated above, due to the influence of both traditional and modern culture in China, it is understandable that the participants in the current research would score high both in Personal Interest schema and Postconventional schema, which seems to be two conflicting forces.

Influencing Factors on Moral Judgment Competence of College Students

Moral judgment competence of college students is compared by independent t test or one-way ANOVA as follows:

(1) Moral judgment competence of college students is significantly different by gender.

In the current research, results of independent t test show that males and females are significantly different in moral judgment competence (t=-5.156, df=562.685, p<.001). Table 4 is a comparison in means and standard deviation of the P and N2 index. Females’ moral judgment competence is significantly higher than males.
Research on Moral Judgment Competency of College Students in Mainland China with DIT-2

<table>
<thead>
<tr>
<th>Male</th>
<th>Female</th>
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<tbody>
<tr>
<td>Mean</td>
<td>33.48</td>
</tr>
<tr>
<td>SD</td>
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</tr>
<tr>
<td>N</td>
<td>284</td>
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</tbody>
</table>

Table 4. Means and standard deviation for the N2 index by gender

(2) Moral judgment competence of college students is significantly different by majors.

Researchers (e.g. King and Mayhew, 2004) studied the effect of the type of the university on moral judgment. The result showed that students from Liberal Arts College scored higher.

Table 5 shows that college students in different majors are significantly different in moral judgment competence in N2 (F=12.920, p<0.001). The overall testing F is 3.464 (p=0.032<0.05), 1.936 (p=0.145>0.05), and 11.588 (p<0.001) for Personal Interest schema, Maintaining Norms schema and Postconventional schema respectively. The Post-hoc tests with Scheffe method show that students majoring in Arts have significantly higher moral judgment competence than others.

<table>
<thead>
<tr>
<th></th>
<th>Sum of Square</th>
<th>DF</th>
<th>Mean Square</th>
<th>F</th>
<th>Sig.</th>
<th>Post-hoc Scheffe</th>
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<td>2</td>
<td>1931.615</td>
<td>11.588</td>
<td>0.000</td>
</tr>
<tr>
<td>Within Group</td>
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<td>166.69</td>
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<tr>
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<td></td>
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<tr>
<td>Between Group</td>
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<td>0.032</td>
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<tr>
<td>Within Group</td>
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<td>809</td>
<td>138.888</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Within Group</td>
<td>111933.314</td>
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<td>138.888</td>
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<td></td>
</tr>
<tr>
<td>Between Group</td>
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<td>2</td>
<td>247.577</td>
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</tr>
<tr>
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<td>102201.688</td>
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<td>Within Group</td>
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<tr>
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<tr>
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<td>128.344</td>
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</tbody>
</table>

Table 5. Correlation of major with DIT-2 indices

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1 In mainland China, there is no such Liberal Arts College as in America, but the majors in the sample can be categorized into three types by the courses they learn, that is, Arts, Science, and Technology. Majors like Humanity, Language and Education belong to Arts; Accounting, Natural Sciences belong to Science; Informatics and Electronics belong to Technology. Result shows that students majoring in Arts score higher in moral judgment than other majors.
This finding may be accounted for by the influence of the courses and the teaching methods of different majors. The courses which intend to promote students’ thinking are helpful to promote their moral reasoning. The investigation revealed that courses on ethics, social diversity and social justice have some positive influence in promoting students’ moral reasoning. Dilemma discussions, group discussions and deep reflections also help students to improve their moral reasoning (King & Mayhew 2004). Compared with students from Science and Technology, students majoring in Arts have more sociological courses. In this sample, of the 154 credits, credits on sociological studies range from 60 to 78 for students majoring in Humanity, Language and Education. For students majoring in Science, the credits for sociology are 35 and 41 for Natural Science and Accounting respectively. For students majoring in Technology, the credits are only 17 for Informatics and 19 for Electronics.

(3) Moral judgment competence of college students is not significantly different by education levels.

It was proposed by the developers of the DIT test that there is a significant relationship between moral judgment competence and education level (Bebeau & Thoma 2003). Studies have shown that 30% to 50% of the variance of DIT scores is attributable to the level of education (Rest, et al. 1999). However, the result of a one-way ANOVA conducted on the sample in the current research showed an F of 0.883 and a p of 0.449 for the effect of educational level on N2 score. These results do not meet the 0.05 α-test for significance.

<table>
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</table>

Table 6. Correlation of grade with DIT-2 indices
The result may be related to the contents and teaching methods of moral education in China. It has been long and widely criticized by educators that the moral education in China is focusing on conveying the knowledge about morality instead of acquiring moral cognition, focusing on learning moral norms instead of improving moral competence, focusing on learning from moral exemplars instead of cultivating moral consciousness (Liu 1995; Wu 2000).

Some educators criticized the old-fashioned ways in moral education. “Moral education can only achieve the effect by arousing the empathy of the learners, instead of reading the cold rules in the textbook” (Zhu 2000) “the current teaching methods brought about disjunctions between educational theory and practice” (Li, Monica & Yang 2004). Despite the heated criticism, the reforming in moral education in China is still not satisfactory. The major reason is that the present moral education in China since 1949 is actually so-called “large moral education” (Tan 2003), which includes political education, ideological education, values education, civic education and even includes mental education, physical training and labor education and so on. Strictly speaking, the contemporary China has no special curriculum of “moral education” in the sense of Western understanding. The management and implementation of moral education in China has been facilitated by whatever is conducive to political purposes, neglecting the development of the truly personal and creative mind (Li, Monica & Yang 2004). In that situation, moral education becomes a serving tool of politics and ideology, straying away from the real meaning of moral education. Teachers distill a certain set of moral values which are consistent with political requirements and ideology into the students. Students trained in this educational system are lack of independent learning, autonomous personality and critical thoughts. Therefore, it is urgent to advocate a reforming in contents and teaching methods in moral education in mainland China. Political and ideological education need to be excluded from the scope of moral education, and educators should organize dilemma discussions to stimulate the conflicts in students’ mind and encourage different opinions to develop students’ moral judgment competence.

(4) Moral judgment competence of college students is not significantly different by academic performance.

There is an extensive body of research which proves the association between intelligence and academic achievement, although there may be different ideas in the degree of association (Brody 2000; Deary et al. 2007; Jensen 1980; Kuncel et al. 2001; Soares et al. 2015; Zeidner & Matthews 2000). In this sample, the participants’ academic performance was represented by the average score of GPA in academic years. A one-way ANOVA was conducted on the participants, which showed an F of 0.800 and a p of 0.780 for the effect of academic performance on N2 score. These results do not meet the 0.05 α-
test for significance. Therefore, it is revealed that there is no significant
correlation between academic performance and moral judgment competence.

<table>
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<td>Sum</td>
<td>25796.03</td>
<td>798</td>
<td></td>
<td></td>
</tr>
<tr>
<td>N2</td>
<td>Between Group</td>
<td>30542.883</td>
<td>778</td>
<td>171.589</td>
<td>0.763</td>
</tr>
<tr>
<td></td>
<td>Within Group</td>
<td>4497.125</td>
<td>20</td>
<td>224.856</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Sum</td>
<td>35040.008</td>
<td>798</td>
<td></td>
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</tr>
</tbody>
</table>

Table 7. Correlation of academic performance with DIT-2 indices

(5) Moral judgment competence of college students is not significantly
different by family type.

Since 1989 China has adopted one-child policy to control the very large
population, which imposed great effect on the traditional family structure. The
only child is regarded as the "Little Emperor" and spoiled by parents and
grandparents. This policy has been long criticized for forming the negative
personalities of the child, such as selfishness, self-centeredness, arrogance,
lack of responsibility and behaviorable problems, etc. (Qi & Tang 2004). They
are called "Spoiled Generation".

A one-way ANOVA was conducted on the participants, which showed
an F of 2.650 and a p of 0.071 for the effect of family type on N2 score. The
result revealed that in this sample, whether the participant is the only child in
the family or he has siblings has no effect on his moral judgment competence.

The result is quite promising since it is not supporting people’s negative
impression against the only-child generation. It may give people a new
perspective to look at this generation.

4. Conclusion

This study explores the general characteristics of college students in
modern setting in mainland China, which shows a different pattern from the
Western participants by scoring high in Personal Interest schema and
Postconventional schema, but low in Maintaining Norms schema. It also tests
the correlations of N2 with gender, education level, major, academic
performance, and one-child policy. The result shows that gender and major
have significant effect on college students’ moral judgment competence in

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mainland China, while education level, academic performance and one-child family have no significant effect on their moral judgment competence.

References


the Important Issues of a Moral Dilemma are Defined," in D. DePalm &
J. M. Foley (Eds.), Moral Development: Current Theory and Research.
New York: John Wiley.

Lickona (Ed.), Moral Development and Behavior: Theory, Research, and

Moral Judgment Development. Unpublished manuscript, University of
Minnesota, Moral Research Projects.

of Minnesota Press.

York: Praeger.

Rest J. R., Cooper D., Coder R., Masanz J., & Anderson D. 1974. „Judging the
Important Issues in Moral Dilemmas: An Objective Test of


Thinking: A Neo-Kohlbergian Approach. Mahwah, NJ: Lawrence
Erlbaum Associates.

Moral Thinking – A Neo-Kohlbergian Approach." Psychology Press
4:56-70.

Testing a Revised Instrument of Moral Judgment.” Journal of
Educational Psychology 91(4):644-59.

of Moral Judgment: Stage Preference and Stage Consistency

Indexing the Defining Issues Test." Journal of Moral Education
89(3):498-507.

Development," in J. Stigler, R. A. Shweder, & G. Herdt (Eds.), Cultural
Psychology: Essays on Comparative Human Development. New York:
Cambridge University Press (73-112).

Between Intelligence and Academic Achievement Throughout Middle
School: The Role of Students’ Prior Academic Performance.” Learning
and Individual Differences 41:73-8.


Research on Moral Judgment Competency of College Students in Mainland China with DIT-2

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Research on Moral Judgment Competency of College Students in Mainland China with DIT-2

Abstract. The purpose of this paper was to (1) examine moral judgment competency of a sample of 811 Chinese college students from a Southern university in mainland China with DIT-2; and (2) test whether gender, education, major, academic performance, and one-child policy have significant effect on the participants’ moral judgment competency. Results show that the participants score high in both Personal Interest schema and Postconventional schema, while low in Maintaining Norms schema. Gender and major have significant effect on participants’ moral judgment competency in China, while education level, academic performance and one-child family have no significant effect on their moral judgment competency. Reasons are discussed in the paper.

Keywords: DIT-2, moral judgment competency, college student, Chinese participants

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