Appendix 1: Research Measures

Dear student: 亲爱的同学

We are conducting a survey investigating college students' general attitudes toward interpersonal contact with people with physical disabilities. Your responses are extremely important for our research.This questionnaire is fully anonymous. All collected data will only be applied to academic statistical analysis, and no private personal information will be recorded. You can respond with confidence. Participation is entirely voluntary, and you have the right to quit the survey at any time. It will take approximately 20 minutes to finish filling out the questionnaire.Thank you for your support and valuable time. Wishing you a pleasant academic life!

我们正在进行一项关于普通大学生与身体残障人士交往态度的现状调查。你的回答对我们的研究至关重要！本问卷采用完全匿名方式，所有数据仅用于学术分析，不会涉及任何个人信息，请放心作答。参与调查基于自愿原则，你可随时选择退出。填写大约需要 20 分钟。感谢你的支持与宝贵时间！祝你学习生活愉快！

Special Note: People with disabilities refer to individuals who have been certified by professional physicians or identified by county-level administrative authorities as having physical or functional impairments. The categories of disabilities include intellectual disabilities, visual impairments, hearing impairments, physical/motor impairments, and autism spectrum disorders.

特别说明：残疾人指已被专业医生证明或县市政府鉴定具有身体残疾障碍的个体。障碍类型包括智力障碍、视觉障碍、听觉障碍、肢体障碍、孤独症（即自闭症）等。

Part 1　Demographic Information

第 1 部分　人口学信息

1. Gender 性别: ①Male 男　　② Female 女

2. Age 年龄：: _____

2. Grade 年级:

①Freshman 大一　②Sophomore 大二　③Junior 大三　④Senior 大四

3. Place of residence: 家庭所在地：

①Rural area 农村　②Urban area 城镇

4. Province:　所在省份

①Eastern region (Beijing, Tianjin, Hebei, Liaoning, Shanghai, Jiangsu, Zhejiang, Fujian, Shandong, Guangdong, Hainan, Jilin, Heilongjiang)

东部地区（京、津、冀、辽、沪、苏、浙、闽、鲁、粤、琼、吉、黑）

②Central region (Shanxi, Anhui, Jiangxi, Henan, Hubei, Hunan)

中部地区（晋、皖、赣、豫、鄂、湘）

③ Western regions (Mongolia, Guangxi, Chongqing, Sichuan, Guizhou, Yunnan, Tibet, Shaanxi, Gansu, Qinghai, Ningxia, Xinjiang)

西部地区（蒙、桂、渝、川、贵、云、藏、陕、甘、青、宁、新）

④ Hong Kong, Macao, and Taiwan regions：

港澳台地区

5. Frequency of contact with persons with disabilities: 与残疾人接触频率：

①never 从来没有　　②Rarely 很少几次

③More frequent 较多次　　④Persistent exposure 一直接触

6. Methods of interaction with persons with disabilities [Multiple-choice question]

与残障人士的接触方式[多选题]

①Media or internet 媒体或网络

②Seen in daily life 生活中见过

③There are students with disabilities in the class 班级里有残疾学生

④Having relatives or friends with disabilities 有残疾亲戚或朋友

Part 2 Measures for Four Key Variables

第 2 部分 4 个关键变量测评工具

- **Measures 1: Disability Stereotype Questionnaire**

工具 1：普通大学生残疾刻板印象调查问卷

Instructions: This scale is designed to assess your perceptions of people with disabilities. All items are composed of pairs of antonymous adjectives: numbers 1–3 correspond to the adjective on the left, numbers 5–7 correspond to the adjective on the right, and number 4 represents a neutral stance. Selecting a number on the left indicates that your view aligns closely with the left-hand adjective, while selecting a number on the right indicates that your view aligns closely with the right-hand adjective. Please mark a check (√) next to the number that best reflects your genuine thoughts.

指导语：此量表旨在了解您对残障群体的印象，所有题项均由互为反义的形容词对构成，其中 1–3 对应左端的形容词，5–7 对应右端的形容词，4 代表中立。如果您选择左端数字，代表您的看法与左端形容词接近；选择右端数字，代表您的看法与右端形容词接近。请根据您的真实想法，在符合数字上打“ √ ”。

Note: This questionnaire is a single-dimensional structured questionnaire.

说明：此问卷为单维度结构问卷。

ID 序号	Adjectives (Left) 形容词（左）	Strongly Agree 非常符合	Agree 比较符合	Slightly Agree 有点符合	Neutral 中立	Slightly Agree 有点符合	Agree 比较符合	Strongly Agree 非常符合	Adjectives (right) 形容词（右）
1	Mature 成熟	1	2	3	4	5	6	7	young 幼稚
2	Intelligent 聪明能干	1	2	3	4	5	6	7	Foolish 笨头笨脑
3	Grateful 感恩的	1	2	3	4	5	6	7	Resentful 怨恨的
4	Solitary 孤僻	1	2	3	4	5	6	7	Sociable 合群
5	Firm 坚强	1	2	3	4	5	6	7	Weak 软弱
6	Hardships 艰辛	1	2	3	4	5	6	7	Leisurely 悠闲
7	Progressive 进取	1	2	3	4	5	6	7	Shrink back 退缩
8	Respectable 可敬	1	2	3	4	5	6	7	Contemptible 可鄙
9	Assiduous 刻苦	1	2	3	4	5	6	7	Lazy 懒惰
10	Optimistic 乐观	1	2	3	4	5	6	7	Pessimistic 悲观
11	Beautiful 美丽	1	2	3	4	5	6	7	Ugly 丑陋
12	Acute 敏锐	1	2	3	4	5	6	7	Dull 迟钝
13	Simple 朴素	1	2	3	4	5	6	7	Luxurious 奢华
14	Helpless 无奈	1	2	3	4	5	6	7	Satisfied 如意
15	Immobility 行动不便	1	2	3	4	5	6	7	Free Movement 行动自由
16	Excellent Academic 学业优异	1	2	3	4	5	6	7	Poor Academic 学业落后
17	Repressed 压抑	1	2	3	4	5	6	7	Relaxed 放松
18	Abnormal 异常	1	2	3	4	5	6	7	Normal 正常
19	Brave 勇敢	1	2	3	4	5	6	7	Timid 胆怯
20	Friendly 友善	1	2	3	4	5	6	7	Cold 冷漠
21	Self-abasing 自卑	1	2	3	4	5	6	7	Self-confident 自信
22	Independent 自立	1	2	3	4	5	6	7	Dependent 依赖
23	Self-respect 自尊自爱	1	2	3	4	5	6	7	Self-abasement 自轻自贱

- **Measures 2: Intergroup Anxiety Scale（IAS）**

Instructions: Please reflect on how you feel when you interact with people with

disabilities in close proximity (e.g., on vehicles, in elevators, or other public places). Rate the degree to which each adjective describing your feelings applies to you. Numbers 1 to 7 range from Strongly Disagree to Strongly Agree. Please mark a check (√) on the corresponding number.

指导语：请您思考一下，当您与残疾人近距离相处时（比如在车上、电梯或者其他公共场所），您会有什么样的感受？请判断以下描述感受的形容词中符合你的情况程度，数字 1-7 表示从“完全不符合”到“完全符合”，请在符合的数字上打“√”。

Note: This questionnaire is a unidimensional structural questionnaire. Among the items, seven items preceded by negative adjectives (4, 6, 14,15,17,18,21) are reverse-scored. Specifically, three items (5, 6, 7) are reverse-scored.

说明：此问卷为单维度结构问卷。其中，7 个以消极形容词置前的项目（4、6、14、15、17、18、21）为反向计分。其中，3 个项目（5、6、7）为反向计分。

ID 序号	item 题项	Strongly Disagree 完全不符合	Disagree 比较不符合	Slightly Disagree 有点不符合	Neutral 不确定	Slightly Agree 有点符合	Agree 比较符合	Strongly Agree 完全符合
1	Awkward 别扭的	1	2	3	4	5	6	7
2	Flustered 局促不安的	1	2	3	4	5	6	7
3	Irritated 恼怒的	1	2	3	4	5	6	7
4	Agitated 焦躁的	1	2	3	4	5	6	7
5	Pleasant 愉快地	1	2	3	4	5	6	7
6	Accepted 被接纳的	1	2	3	4	5	6	7
7	Confident 自信的	1	2	3	4	5	6	7
8	Guarded 心存戒心的	1	2	3	4	5	6	7
9	Suspicious 疑虑的	1	2	3	4	5	6	7
10	Vigilant 警惕的	1	2	3	4	5	6	7

- **Measures 3:Empathy Scale (Interpersonal Reactivity Index, IRI)**

工具 3：共情（人际反应指针）量表

Instructions: There are 22 items below. Please read each statement carefully and rate the extent to which it describes you. Numbers 1 to 5 represent the degree of conformity. Please mark a check (√) under the corresponding number.

指导语：下面共有 22 个题目，请认真阅读后判断句中的描述符合你的情况程度。数字 1-5 代表符合程度，请在符合的数字下打“ √ ”。

Scale Description: This scale consists of four subscales, including Subscale 1 (Perspective Taking) covering Items 6, 9, 15, 19 and 22, Subscale 2 (Fantasy) covering Items 3, 5, 10, 12, 17 and 20, Subscale 3 (Empathic Concern) covering Items 1, 2, 7, 11, 14 and 16, and Subscale 4 (Personal Distress) covering Items 4, 8, 13, 18 and 21, while Items 2, 5, 10, 11 and 14 are reverse-scored items.

工具说明：分为 4 个维度。维度 1（观点采择，6、9、15、19、22）、维度 2（想象，3、5、10、12、17、20）、维度 3（共情关注，1、2、7、11、14、16）与维度 4（个人忧伤，4、8、13、18、21）。其中，2、5、10、11、14 题为反向计分题。

ID 序号	item 题项	Strongly Disagree 完全不符合	Disagree 比较不符合	Neutral 不确定	Agree 比较符合	Strongly Agree 完全符合
1	I often have tender, concerned feelings for people less fortunate than me. 对那些比我不幸的人，我经常有心软和关怀的感觉。	1	2	3	4	5
2	Sometimes I do not feel sorry for other people when they are having problems.有时候当其他人有困难或问题时，我并不为他们感到难过。	1	2	3	4	5
3	I really get involved with the feelings of the characters in a novel.我的确会投入小说人物中的情感世界。	1	2	3	4	5
4	In emergency situations, I feel apprehensive and ill-at-ease. 在紧急的状况中，我感到担忧、害怕而难以平静。	1	2	3	4	5
5	When I watch a movie or play, I remain detached and do not get fully immersed.在看电影或看戏时，我通常是旁观的，而且不经常全心投入。	1	2	3	4	5
6	Before making a decision, I try to look at everyone's position in an argument.在做决定前，我试着从争论中去看每个人的立场。	1	2	3	4	5
7	When I see someone being taken advantage of, I feel protective toward them.当我看到有人被别人利用时，我有点感到想要保护他们。	1	2	3	4	5
8	When I am in an emotionally intense situation, I feel helpless.当我处于一个情绪非常激动的情况中时，我往往感到会无依无靠。	1	2	3	4	5
9	I sometimes imagine how things look from my friends' perspectives to understand them better.有时我想像从我朋友的观点来看事情的样子，以便更了解他们。	1	2	3	4	5
10	Seldom do I fully immerse myself in a good book or movie. 对我来说，全心的投入一本好书或一部好电影中是很少有的事。	1	2	3	4	5
11	The misfortunes of others do not trouble me much. 其他人的不幸通常不会给我带来很大的困扰。	1	2	3	4	5
12	After watching a play or movie, I feel as if I am one of the characters.看完戏或电影之后，我觉得自己好像是剧中的某一个角色。	1	2	3	4	5

13	I feel panicked in emotionally tense situations. 处在紧张情绪的状况中，我会惊慌害怕。	1	2	3	4	5
14	Sometimes I do not feel much sympathy when someone is treated unfairly.当我看到有人受到不公平的对待时，我有时并不感到非常同情他们。	1	2	3	4	5
15	I believe every issue has two sides, so I try to view problems from different perspectives.我相信每个问题都有两面观点，所以我尝试着从这不同的观点来看问题。	1	2	3	4	5
16	I consider myself a rather soft-hearted person.我认为自己是一个相当软心肠的人。	1	2	3	4	5
17	When enjoying a good movie, I easily feel emotions from the protagonist's perspective.当我欣赏一部好电影时，我很容易站在某个主角的立场去感受他的心情。	1	2	3	4	5
18	In emergencies, I am too nervous to control myself.在紧急状况中，我紧张的几乎无法控制自己。	1	2	3	4	5
19	When I am angry with someone, I usually try to consider their perspective.当我对一个人生气时，我通常会尝试着去想一下他的立场。	1	2	3	4	5
20	When reading an engaging story, I imagine how I would feel if it happened to me.当我阅读一篇引人的故事或小说时，我想像着：如果故事中的事件发生在我身上，我会感觉怎么样。	1	2	3	4	5
21	When seeing someone in urgent need of help after an accident, I feel mentally overwhelmed.当我看到有人发生意外而极需要帮助的时候，我紧张的几乎精神崩溃。	1	2	3	4	5
22	Before criticizing others, I imagine how I would feel in their situation.在批评别人前我会试着想象：假如我处在他的情况，我的感受如何。	1	2	3	4	5

- **Measures 4: Intergroup Contact Willingness Scale**

工具 4：群际交往意愿量表

Instructions: Please carefully read the following 5 items and rate your willingness to have contact with people with disabilities based on your actual situation. Numbers 1 to 5 range from Strongly Unwilling to Strongly Willing. Please mark a check (√) under the appropriate number.

指导语：请您仔细阅读下面 5 道题目，结合实际情况填写您与残障群体的接触意愿，数字 1-5 表示从“非常不愿意”到“非常愿意”，请在合适的数字下打“ √ ”。

Scale Description: This scale has a single-dimensional structure.

工具说明：单维度结构。

ID 序号	Item 题项	Strongly Unwilling 非常 不愿意	Unwilling 比较 不愿意	不确定 Neutral	Willing 比较 愿意	Strongly Willing 非常 愿意
1	Would you be willing to be relatives with or marry a person with disabilities?	1	2	3	4	5

ID 序号	Item 题项	Strongly Unwilling 非常 不愿意	Unwilling 比较 不愿意	不确定 Neutral	Willing 比较 愿意	Strongly Willing 非常 愿意
	您愿意与残疾人做亲戚或通婚吗？					
2	Would you be willing to let a person with disabilities stay overnight at your home? 您愿意让残疾人在家里过夜吗？	1	2	3	4	5
3	Would you be willing to make friends with a person with disabilities? 您愿意与残疾人做朋友吗？	1	2	3	4	5
4	Would you be willing to work with a person with disabilities? 您愿意与残疾人一起工作吗？	1	2	3	4	5
5	Would you be willing to live in the same community with a person with disabilities? 你愿意与残疾人在一个社区生活吗？	1	2	3	4	5