

## Appendix 1. Survey Questionnaire for the Chengdu-Chongqing High-Speed Dedicated Passenger Rail

**1. Your gender**

A. Male    B. Female

**2. Your age**

A. Under 18 years old    B. 18-25 years old    C. 25-40 years old    D. 40-60 years old  
E. More than 60 years old

**3. Your education**

A. Technical secondary school, high school and other equivalent degree  
B. Junior college  
C. Bachelor's degree  
D. Master's degree and above

**4. Where are you currently living? \_\_\_\_\_**

**5. Your occupation**

A. Civil servants    B. Retiree    C. Entrepreneur    D. Business man/woman  
E. Workers    F. Student    G. Farmer    H. Others

**6. Your monthly income**

A. Without any income    B. Less than ¥ 2,000    C. ¥ 2,000 - ¥ 5,000    D. ¥ 5,001 - ¥ 10,000  
E. More than ¥ 10,000

**7. Which station did you get on? \_\_\_\_\_ 9. What is your destination? \_\_\_\_\_**

**8. Which transportation do you choose to get to your destination?**

When Chengdu-Chongqing high-speed railway hasn't opened:	A. Conventional train    B. Commercial bus    C. Corporate shuttle bus    D. Private vehicle    E. Taxi
When Chengdu-Chongqing high-speed railway has opened:	A. High-speed railway    B. Conventional train    B. Commercial bus    C. Corporate shuttle bus    D. Private vehicle    E. Taxi

**9. If you could only choose a train, which one would you prefer?**

A. Conventional train    B. D-train    C. G-train

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**10. Where did you buy your ticket?**

- A. Website12306    B. Hotline12306    C. The tickets window    D. Self-service ticket machine

**11. If you choose travel by Chengdu-Chongqing high-speed railway, which seat would you choose?**

- A. Second-class seats    B. First-class seats    C. State cabins    D. Business cabins

**12. The reason for choosing this kind of transportation:**

when Chengdu-Chongqing high-speed railway hasn't opened	A. The ticket purchase channel is convenient    B. The travel routes are flexible    C. Night shift    D. Save time E. Fares are more affordable    F. The habit    G. Others
when Chengdu-Chongqing high-speed railway has opened	A. The fare level    B. The speed    C. Amenity    D. Service    E. Safety    F. Punctuality    G. Ticket purchase means    H. The habit    J. Others

**13. The purpose of your trip:**

when Chengdu-Chongqing high-speed railway hasn't opened	A. Returning home    B. Visiting friends and relatives C. Trip and shopping    D. Study    E. Business    F. Commute
when Chengdu-Chongqing high-speed railway has opened	A. Returning home    B. Visiting friends and relatives C. Trip and shopping    D. Study    E. Business    F. Commute

**14. The days of your trip:**

when Chengdu-Chongqing high-speed railway hasn't opened	A. Single day trip    B. 1-3days    C. 4-6days D. Six days above
when Chengdu-Chongqing high-speed railway has opened	A. Single day trip    B. 1-3days    C. 4-6days D. Six days above

**15. When do you usually travel?**

when Chengdu-Chongqing high-speed railway hasn't opened	A. Monday E. Friday	B. Tuesday F. Weekend	C. Wednesday G. Any time	D. Thursday
when Chengdu-Chongqing high-speed railway has opened	A. Monday E. Friday	B. Tuesday F. Weekend	C. Wednesday G. Any time	D. Thursday

**16. What time of day do you usually travel?**

when Chengdu-Chongqing high-speed railway hasn't opened	A. Early Moring E. Evening	B. Moring	C. Noon	D. Afternoon
when Chengdu-Chongqing high-speed railway has opened	A. Early Moring E. Evening	B. Moring	C. Noon	D. Afternoon

**17. The frequency of your trip:**

When Chengdu-Chongqing high-speed railway hasn't opened:	A. Never D. Once a month F. More than once a week	B. Once every six months	C. Once every two months	E. Once a week
When Chengdu-Chongqing high-speed railway has opened:	A. Never D. Once a month F. More than once a week	B. Once every six months	C. Once every two months	E. Once a week

**18. Are you willing to accept the situation of working in one city and living in another city?**

- A. Yes    B. No

**19. Your travel expenses come from?**

- A. Your employer    B. Half employer' and half yours'    C. Your own money

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## Appendix 2. Descriptive Statistics of All the Variables

Variable	Mean	Std.	Min	Max
Gender (X <sub>1</sub> )	0.546	0.498	0	1
Age (X <sub>2</sub> )	2.780	0.815	1	5
Education Level (X <sub>3</sub> )	2.451	0.894	1	4
Career (X <sub>4</sub> )	3.566	2.230	0	7
Monthly income (X <sub>5</sub> )	3.017	1.303	1	5
Trip purpose: business & commute (X <sub>6</sub> )	0.443	0.497	0	1
Trip purpose: study (X <sub>7</sub> )	0.110	0.313	0	1
Trip purpose: visit friends & relatives (X <sub>8</sub> )	0.292	0.455	0	1
Trip purpose: tour and shopping (X <sub>9</sub> )	0.290	0.454	0	1
Trip purpose: returning home (X <sub>10</sub> )	0.376	0.485	0	1
The reason for choosing HSR: time savings (X <sub>11</sub> )	0.768	0.422	0	1
The reason for choosing HSR: fare (X <sub>12</sub> )	0.198	0.399	0	1
The reason for choosing HSR: amenity (X <sub>13</sub> )	0.519	0.500	0	1
The reason for choosing HSR: punctuality (X <sub>14</sub> )	0.395	0.489	0	1
The reason for choosing HSR: safety (X <sub>15</sub> )	0.266	0.442	0	1

Note: Total observation number is 1,384.

Source: Authors' calculation.

### Appendix 3. Correlation Matrix of All the Variables

Variable	X <sub>1</sub>	X <sub>2</sub>	X <sub>3</sub>	X <sub>4</sub>	X <sub>5</sub>	X <sub>6</sub>	X <sub>7</sub>	X <sub>8</sub>	X <sub>9</sub>	X <sub>10</sub>	X <sub>11</sub>	X <sub>12</sub>	X <sub>13</sub>	X <sub>14</sub>	X <sub>15</sub>
X <sub>1</sub>	1.000														
X <sub>2</sub>	0.171	1.000													
X <sub>3</sub>	0.067	-0.166	1.000												
X <sub>4</sub>	0.104	0.301	0.090	1.000											
X <sub>5</sub>	0.286	0.472	0.026	0.362	1.000										
X <sub>6</sub>	0.261	0.228	0.068	0.210	0.509	1.000									
X <sub>7</sub>	-0.093	-0.246	0.105	-0.137	-0.368	-0.220	1.000								
X <sub>8</sub>	-0.034	0.068	-0.077	0.003	-0.067	-0.169	-0.017	1.000							
X <sub>9</sub>	-0.181	-0.113	0.076	-0.049	-0.163	-0.221	0.060	0.058	1.000						
X <sub>10</sub>	-0.098	-0.133	-0.077	-0.091	-0.190	-0.312	0.166	-0.004	-0.110	1.000					
X <sub>11</sub>	0.001	-0.112	0.097	-0.008	-0.023	0.045	0.067	0.014	0.073	0.031	1.000				
X <sub>12</sub>	-0.013	0.012	0.007	0.007	-0.082	-0.052	0.069	0.056	0.074	0.037	-0.015	1.000			
X <sub>13</sub>	-0.056	0.005	0.093	0.061	-0.017	0.058	0.056	0.049	0.113	0.029	0.159	0.068	1.000		
X <sub>14</sub>	0.045	0.062	0.032	0.026	0.100	0.130	0.000	0.037	-0.026	-0.012	0.017	0.140	0.211	1.000	
X <sub>15</sub>	-0.017	0.064	-0.024	0.035	0.042	0.066	-0.023	0.078	0.087	0.052	0.032	0.161	0.275	0.310	1.000

Source: Authors' calculation.