A survey on the air conditioner usage of urban households in Jiangsu Province

Sincerely thank you for taking the time to complete this questionnaire. This survey is anonymous. We assure you that the information is only used for academic research and will never be disclosed.

Thanks very much for your support.

**Part 1: Building information**

1. Your dwelling is located at which city? ( )

2. The floor area of your dwelling is_____m².

3. When was your dwelling built? ( )
   A. Before 1985  
   B. During 1985–1995
   C. During 1996–2005
   D. After 2005

**Part 2: Demographic information**

4. Gender of the head of your household is ( ).
   A. Male   B. Female

5. Age of the head of your household is ( ).
   A. ≤14     B. 15–29       C. 30–44       D. 45–59      60–69       F. ≥70

6. The educational level of the head of your household is ( )
   A. Unschooled
   B. Primary School
   C. Junior High School
   D. High School/Special Secondary School/Technical School
   E. Junior College/Higher Vocational School
   F. Undergraduate
   G. Graduate and above

7. The number of permanent residents in your dwelling (referring to those who live in the dwelling for more than half time in a year) is ( ). Among them, there are ( ) children under 15 years old and ( ) unemployed elderly people.
   A.0    B.1     C.2    D.3    E.4     F. 5     G. above 6

8. The total annual income of your family members is ¥_____10k (RMB).

9. You think your family’s income is at the ( ) level among all families in the whole province.
   A. High   B. Above the average   C. Average   D. Below the average   E. Low

**Part 3: Daily schedule**

10. Fill in the following form according to the time and number of people in your dwelling on weekdays (fill in three most concentrated periods).

<table>
<thead>
<tr>
<th>Period 1</th>
<th>Number of persons</th>
<th>Period 2</th>
<th>Number of persons</th>
<th>Period 3</th>
<th>Number of persons</th>
</tr>
</thead>
<tbody>
<tr>
<td>Example</td>
<td>9:00 to 11:00</td>
<td>(2)</td>
<td>14:30 to 16:00</td>
<td>(3)</td>
<td>24:00 to 07:00</td>
</tr>
<tr>
<td>Living</td>
<td>to</td>
<td>( )</td>
<td>to</td>
<td>( )</td>
<td>to</td>
</tr>
<tr>
<td>room</td>
<td></td>
<td>( )</td>
<td></td>
<td>( )</td>
<td></td>
</tr>
<tr>
<td>Bedroom</td>
<td></td>
<td>( )</td>
<td></td>
<td>( )</td>
<td></td>
</tr>
</tbody>
</table>

11. Fill in the following form according to the time period and number of people in your dwelling on weekends (fill in three most concentrated periods).
<table>
<thead>
<tr>
<th>Period 1</th>
<th>Number of persons</th>
<th>Period 2</th>
<th>Number of persons</th>
<th>Period 3</th>
<th>Number of persons</th>
</tr>
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<td>Example</td>
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<td>(3)</td>
<td>24:00 to 07:00</td>
</tr>
<tr>
<td>Living</td>
<td>_ _ _ _ _ _ _ _ _ _</td>
<td>(<em>)</em></td>
<td>_ _ _ _ _ _ _ _ _ _</td>
<td>(<em>)</em></td>
<td>_ _ _ _ _ _ _ _ _ _</td>
</tr>
<tr>
<td>Bedroom</td>
<td>_ _ _ _ _ _ _ _ _ _</td>
<td>(<em>)</em></td>
<td>_ _ _ _ _ _ _ _ _ _</td>
<td>(<em>)</em></td>
<td>_ _ _ _ _ _ _ _ _ _</td>
</tr>
</tbody>
</table>

12. How many days does the dwelling is unoccupied due to business trips and/or travel?  
(1) In summer (from June to August): _____ days  
(2) In winter (from December to February in the next year): _____ days

**Part 4: Usage of Air Conditioners**

Please complete this part according to the usage of air conditioners in the last year. Please select the most suitable option.

**Part 4-1: For cooling in summer**

13. Are there any air conditioners in the dwelling? ( )  
A. Yes  
B. No [please skip the 14th–17th questions if you choose this option]

14. The power of the air conditioner is ( ) horsepower(s).  
A. 1 B. 1.5 C. 2 D. 2.5 E. 3 F. 5 G. more than 5

15. The turn on pattern is ( )  
A. Never  
B. Always  
C. When entering the room  
D. When feeling hot  
E. Before sleeping  
F. Others, please identify ______

16. The turn off pattern is ( )  
A. Never  
B. When leaving the room  
C. Before sleeping  
D. After getting up  
E. When feeling cold  
F. Others, please identify ______

17. The temperature setting pattern is ( )  
A. Fixed value, always ______ °C  
B. Lowest value at first and change to ______ °C when feeling cold  
C. ______ °C at first and change to a higher one before going to bed at night

**Part 4-2: For heating in winter**

18. You usually use which system and equipment for heating in winter?  
[Multiple-choice] [Please skip the 19th-21st questions if you choose neither C nor D]  
A. District central heating  
B. Gas fireplace  
C. Central air conditioner  
D. Split air conditioner  
E. Others (electric floor heating, electric heater, hot water bottle, electric foot warmer, electric blanket, etc.)  
F. None

19. The turn on pattern is ( )
A. Never
B. Always
C. When entering the room
D. When feeling cold
E. Before sleeping
F. Others, please identify ______

20. The turn off pattern is ( )
A. Never
B. When leaving the room
C. Before sleeping
D. After getting up
E. When feeling hot
F. Others, please identify ______

21. The temperature setting pattern is ( )
A. Fixed set value, always ______ °C
B. Highest value at first and change to ______ °C when feeling hot
C. ______ °C at first and change to a lower one before going to bed at night

The end.
Thanks very much!