

Survey Questionnaire on the Importance of Evaluation Factors for Sense of Security in Campus Public Spaces

In order to assess the sense of security, which is an important psychological trait, researchers have designed the following Security Sense Scale. Based on your real-life experience, please assess whether the following evaluative factors affect your sense of safety in public places on campus, and indicate the degree of their influence by ticking the appropriate option. In order to ensure your privacy and data confidentiality, we hereby state that this survey is completely anonymous, your personally identifiable information will be strictly protected, and the answers provided will only be used for research purposes, data statistics and analysis.

We solemnly promise that the results of the survey will be used for research purposes only and will not involve the disclosure of personally identifiable information to ensure your comfort and privacy. Your participation is crucial to our research and the information provided will help to gain insight into the importance of the Safety Sense Evaluation Factor to campus life, which will lead to the improvement and optimization of the relevant environment. You may withdraw at any time during the questionnaire process, and "submitting the questionnaire" is considered informed consent. Thank you again for your participation and support!

This is a self-assessment scale, with each question ranging from "1" to "5," representing: "Very Minor Impact," "Minor Impact," "Moderate Impact," "Major Impact," and "Very Major Impact." Scores correspondingly range from 1 to 5, with higher scores indicating a greater level of impact. Participants are requested to select the appropriate option that aligns with their personal circumstances.

1. Brightness Level [Single-choice Question] *

☐ Minor Impact ☐ Moderate Impact ☐ Major Impact ☐ Very Major Impact

2. Spatial Visibility [Single-choice Question] *

☐ Very Minor Impact ☐ Minor Impact ☐ Moderate Impact ☐ Major Impact ☐ Very Major Impact

3. Greenery level [Single-choice Question] *

☐ Very Minor Impact ☐ Minor Impact ☐ Moderate Impact ☐ Major Impact ☐ Very Major Impact

4. Safety alert signs [Single-choice Question] *

☐ Very Minor Impact ☐ Minor Impact ☐ Moderate Impact ☐ Major Impact ☐ Very Major Impact

5. Natural Surveillance Level [Single-choice Question] *

☐ Very Minor Impact ☐ Minor Impact ☐ Moderate Impact ☐ Major Impact ☐ Very Major Impact

6. Accessibility Level [Single-choice Question] *

☐ Very Minor Impact ☐ Minor Impact ☐ Moderate Impact ☐ Major Impact ☐ Very Major Impact

7. Surveillance Coverage Level [Single-choice Question] *

☐ Very Minor Impact ☐ Minor Impact ☐ Moderate Impact ☐ Major Impact ☐ Very Major Impact

8. Emergency facility arrangement [Single-choice Question] *

☐ Very Minor Impact ☐ Minor Impact ☐ Moderate Impact ☐ Major Impact ☐ Very Major Impact

Supplementary Material S2:

Survey Questionnaire on the Sense of Security in Public Spaces at the Wuchang Campus of the Wuhan Institute of Technology

Thank you for taking your valuable time to participate in our questionnaire survey, which aims to find out how safe you feel in the public space of Wuchang Campus of the Wuhan Institute of Technology. In order to ensure your privacy and data confidentiality, we hereby state that this survey is completely anonymous, your personally identifiable information will be strictly protected, and the answers provided will only be used for research purposes, data statistics and analysis.

We solemnly promise that the results of the survey will be used for research purposes only and will not involve the disclosure of personally identifiable information to ensure your comfort and privacy. Your participation is vital to our deeper understanding of the importance of feeling safe in campus public spaces and will help to improve and enhance the related environment in the future. You may opt out at any time during the questionnaire process, and "submitting the questionnaire" constitutes informed consent. Thank you again for your participation and support!

1. Please select the numbers corresponding to the five locations on the map where you feel relatively safe during the daytime.

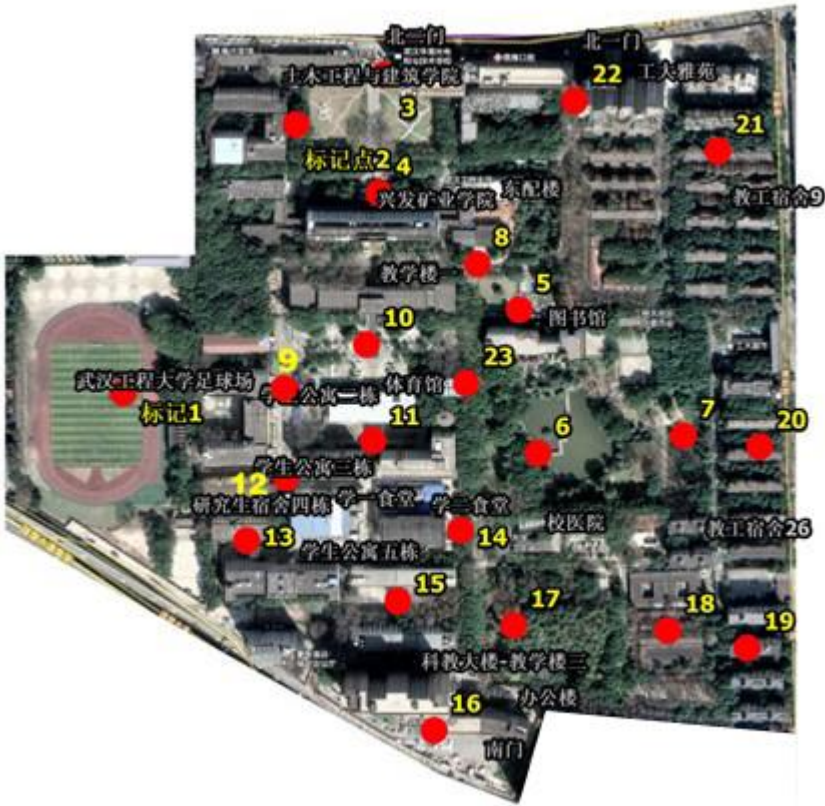


[Multiple Choice Question] *

<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5
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<input type="checkbox"/> 6	<input type="checkbox"/> 7	<input type="checkbox"/> 8	<input type="checkbox"/> 9	<input type="checkbox"/> 10
<input type="checkbox"/> 11	<input type="checkbox"/> 12	<input type="checkbox"/> 13	<input type="checkbox"/> 14	<input type="checkbox"/> 15
<input type="checkbox"/> 16	<input type="checkbox"/> 17	<input type="checkbox"/> 18	<input type="checkbox"/> 19	<input type="checkbox"/> 20
<input type="checkbox"/> 21	<input type="checkbox"/> 22	<input type="checkbox"/> 23		

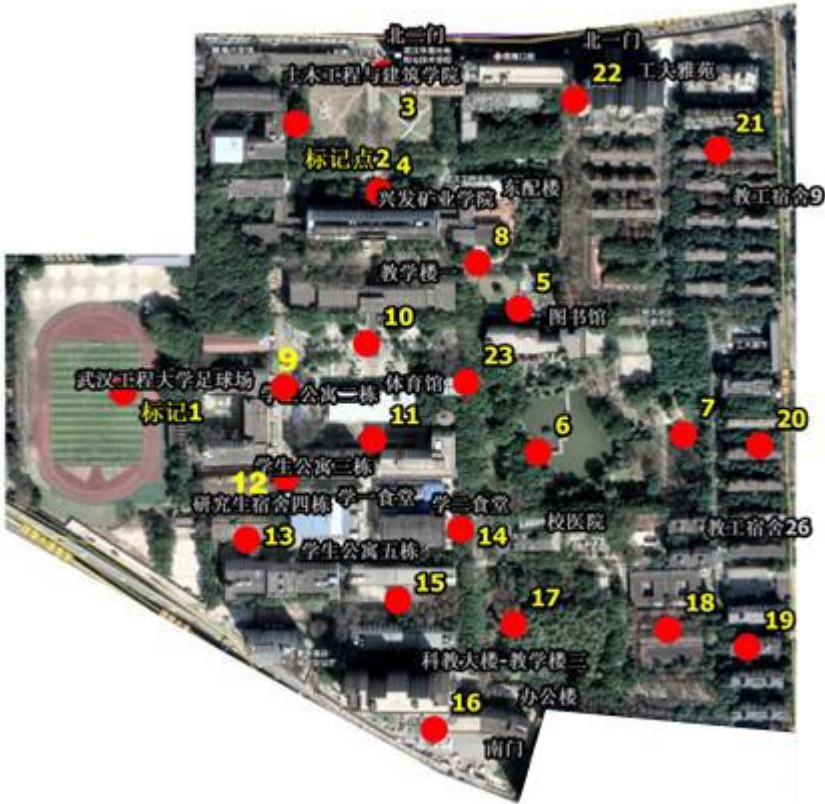
2. Please select the numbers corresponding to the five locations on the map where you feel unsafe during the daytime.



[Multiple Choice Question] *

<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5
<input type="checkbox"/> 6	<input type="checkbox"/> 7	<input type="checkbox"/> 8	<input type="checkbox"/> 9	<input type="checkbox"/> 10
<input type="checkbox"/> 11	<input type="checkbox"/> 12	<input type="checkbox"/> 13	<input type="checkbox"/> 14	<input type="checkbox"/> 15
<input type="checkbox"/> 16	<input type="checkbox"/> 17	<input type="checkbox"/> 18	<input type="checkbox"/> 19	<input type="checkbox"/> 20
<input type="checkbox"/> 21	<input type="checkbox"/> 22	<input type="checkbox"/> 23		

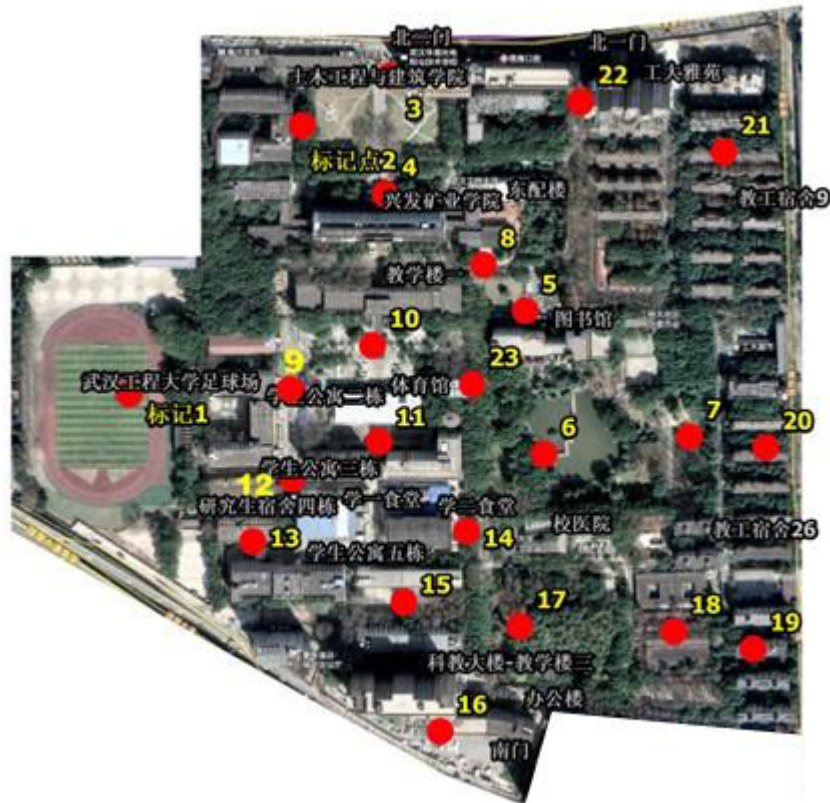
3. Please select the numbers corresponding to the five locations on the map where you feel relatively safe at night.



[Multiple Choice Question] *

<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5
<input type="checkbox"/> 6	<input type="checkbox"/> 7	<input type="checkbox"/> 8	<input type="checkbox"/> 9	<input type="checkbox"/> 10
<input type="checkbox"/> 11	<input type="checkbox"/> 12	<input type="checkbox"/> 13	<input type="checkbox"/> 14	<input type="checkbox"/> 15
<input type="checkbox"/> 16	<input type="checkbox"/> 17	<input type="checkbox"/> 18	<input type="checkbox"/> 19	<input type="checkbox"/> 20
<input type="checkbox"/> 21	<input type="checkbox"/> 22	<input type="checkbox"/> 23		

4. Please select the numbers corresponding to the five locations on the map where you feel unsafe at night.



[Multiple Choice Question] *

<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5
<input type="checkbox"/> 6	<input type="checkbox"/> 7	<input type="checkbox"/> 8	<input type="checkbox"/> 9	<input type="checkbox"/> 10
<input type="checkbox"/> 11	<input type="checkbox"/> 12	<input type="checkbox"/> 13	<input type="checkbox"/> 14	<input type="checkbox"/> 15
<input type="checkbox"/> 16	<input type="checkbox"/> 17	<input type="checkbox"/> 18	<input type="checkbox"/> 19	<input type="checkbox"/> 20
<input type="checkbox"/> 21	<input type="checkbox"/> 22	<input type="checkbox"/> 23		

Analytic Hierarchy Process (AHP) Expert Scoring Table for Sense of Security in Campus Public Spaces during Daytime

Esteemed Expert: Greetings. The purpose of this scoring sheet is to summarize the influencing factors based on their interrelationships and to categorize them into secondary indicators. It involves pairwise comparisons among indicators of the same tier, and the assignment of scores to item weight coefficients. Drawing on your experience, kindly assess and rate each group of indicators by their level of importance. The findings from this survey will serve as a crucial basis for constructing the Analytic Hierarchy Process judgment matrix. Each expert is requested to use a 9-point scale to gauge the importance of each indicator concerning its higher-level counterpart.

Below delineates the evaluation indicator system for this survey research:

Goal Level A	Criterion Level B	Indicator Level C
Daytime Public Space Security Evaluation	Visual perception B1	Spatial visibility C1
	Social perception B2	Degree of natural surveillance C2
		Accessibility level C3
		Surveillance camera coverage extent C4

1. Element i and j are equally important: 1
2. Element i is slightly more important than j: 3
3. Element i is moderately more important than j: 5
4. Element i is strongly more important than j: 7
5. Element i is extremely more important than j: 9
6. Element i is slightly less important than j: 1/3
7. Element i is moderately less important than j: 1/5
8. Element i is strongly less important than j: 1/7
9. Element i is extremely less important than j: 1/9

Scoring Criteria:

(1) The scoring is divided into 9 levels:

- 9 - Extremely Important
- 7 - Significantly Important
- 5 - Comparatively Important
- 3 - Slightly Important
- 1 - Equally Important

(2) The scoring must adhere to the principle of consistency within the same level of factors.

If $A > B$, $B > C$, then $A > C$; otherwise, the survey response is invalid.

(3) This survey is a single-choice format.

1. In your opinion, regarding the primary evaluation indicators affecting the sense of security in campus public spaces during the day, indicate the relative importance between two indicators.

Supplementary Material S4:

Analytic Hierarchy Process (AHP) Expert Scoring Table for Sense of Security in Campus Public Spaces during Nighttime

Esteemed Expert: Greetings. The purpose of this scoring sheet is to summarize the influencing factors based on their interrelationships and to categorize them into secondary indicators. It involves pairwise comparisons among indicators of the same tier, and the assignment of scores to item weight coefficients. Drawing on your experience, kindly assess and rate each group of indicators by their level of importance. The findings from this survey will serve as a crucial basis for constructing the Analytic Hierarchy Process judgment matrix. Each expert is requested to use a 9-point scale to gauge the importance of each indicator concerning its higher-level counterpart.

Below delineates the evaluation indicator system for this survey research:

Goal Level A	Criterion Level B	Indicator Level C
Nighttime Public Space Security Evaluation	Visual perception B1	Spatial visibility C1
		BrightnessC2
	Social perception B2	Degree of natural surveillance C3
		Accessibility level C4
		Surveillance camera coverage extent C5

1. Element i and j are equally important: 1
2. Element i is slightly more important than j: 3
3. Element i is moderately more important than j: 5
4. Element i is strongly more important than j: 7
5. Element i is extremely more important than j: 9
6. Element i is slightly less important than j: 1/3
7. Element i is moderately less important than j: 1/5
8. Element i is strongly less important than j: 1/7
9. Element i is extremely less important than j: 1/9

Scoring Criteria:

(1) The scoring is divided into 9 levels:

- 9 - Extremely Important
- 7 - Significantly Important
- 5 - Comparatively Important
- 3 - Slightly Important
- 1 - Equally Important

(2) The scoring must adhere to the principle of consistency within the same level of factors.

If $A > B$, $B > C$, then $A > C$; otherwise, the survey response is invalid.

(3) This survey is a single-choice format.

1. In your opinion, regarding the primary evaluation indicators affecting the sense of security in campus public spaces during the night, indicate the relative importance between two indicators.

8. Brightness C2—Surveillance camera coverage extent C5 [Matrix Scale Question] *

[illegible]

9. Degree of natural surveillance C3—Accessibility level C4 [Matrix Scale Question] *

[illegible]

10. Degree of natural surveillance C3—Surveillance camera coverage extent C5

[Matrix Scale Question] *

[illegible]

11. Accessibility level C4—Surveillance camera coverage extent C5

[Matrix Scale Question] *

[illegible]