Title: “Heatwaves and Health: Investigating the Mental and Physical Consequences of Rising Temperatures in Bangladesh's University Youth”

**🔹 SECTION A: Socio-demographic Information (Q1–Q6)**

*Purpose: Control variables for analysis*

1. **Age** (in years): \_\_\_\_\_\_\_
2. **Gender**:  
   ☐ Male  
   ☐ Female  
   ☐ Other / Prefer not to say
3. **University name**: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. **Department/Discipline**: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. **Current Academic Year**:  
   ☐ 1st  
   ☐ 2nd  
   ☐ 3rd  
   ☐ 4th  
   ☐ Master's
6. **Residential area**:  
   ☐ Urban  
   ☐ Suburban  
   ☐ Rural

**🔹 SECTION B: Perception of Heatwaves and Temperature Change (Q7–Q12)**

*Purpose: Assess awareness and perception*

1. Have you noticed an increase in extreme temperature or heatwave events over the past 5 years?  
   ☐ Yes ☐ No
2. How well informed do you feel about the health risks associated with heatwaves?  
   ☐ Not at all  
   ☐ Slightly  
   ☐ Moderately  
   ☐ Very well  
   ☐ Extremely well
3. In your opinion, how severe are the effects of heatwaves on human health? *(Likert Scale)*  
   ☐ Not severe at all  
   ☐ Slightly severe  
   ☐ Moderately severe  
   ☐ Very severe  
   ☐ Extremely severe
4. Do you believe rising temperatures are linked to climate change?  
   ☐ Yes  
   ☐ No  
   ☐ Unsure
5. Rate the frequency of heat-related illnesses (like dehydration, fatigue) you experienced in the past summer. *(Likert scale)*  
   ☐ Never  
   ☐ Rarely  
   ☐ Sometimes  
   ☐ Often  
   ☐ Always
6. Describe in your own words how you perceive recent changes in summer temperature. *(Open-ended for sentiment/emotion analysis)*

**🔹 SECTION C: Physical Health Effects (Q13–Q17)**

*Purpose: Continuous and binary variables for modeling*

1. In the last 6 months, how many times did you experience any of the following due to high temperature or heatwaves? *(Insert numeric answers)*  
   a. Headaches: \_\_\_  
   b. Dehydration: \_\_\_  
   c. Dizziness or nausea: \_\_\_  
   d. Skin rashes or sunburn: \_\_\_
2. Have you visited a doctor due to heat-related health issues in the past year?  
   ☐ Yes  
   ☐ No
3. Do you take any specific precautions during heatwaves (e.g., avoid sun, drink more water)?  
   ☐ Yes  
   ☐ No
4. On average, how many liters of water do you drink daily during summer? \_\_\_\_\_\_\_\_\_
5. Do you have any pre-existing health conditions that worsen in extreme heat?  
   ☐ Yes  
   ☐ No  
   If yes, specify: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**🔹 SECTION D: Mental Health and Emotional Response (Q18–Q24)**

*Purpose: Textual + Likert + logistic regression*

1. Do you feel anxious or worried during intense heat periods?  
   ☐ Yes  
   ☐ No
2. How often do you experience sleep disturbance during hot nights?  
   ☐ Never  
   ☐ Rarely  
   ☐ Sometimes  
   ☐ Often  
   ☐ Always
3. Heatwaves make me feel: *(Likert scale)*  
   ☐ Calm  
   ☐ Slightly irritated  
   ☐ Uncomfortable  
   ☐ Highly distressed  
   ☐ Panicked
4. Have you ever experienced a panic attack or overwhelming stress during a heatwave?  
   ☐ Yes  
   ☐ No
5. In your own words, how do heatwaves emotionally affect your daily life? *(Open-ended)*
6. How strongly do you agree: *“Extreme heat has affected my academic performance or concentration.”*  
   ☐ Strongly disagree  
   ☐ Disagree  
   ☐ Neutral  
   ☐ Agree  
   ☐ Strongly agree
7. What are your coping strategies during heatwaves? *(Open-ended for topic/emotion analysis)*

**🔹 SECTION E: Attitudes, Adaptation, and Policy Opinions (Q25–Q30)**

*Use in modeling behavior and sentiment polarity*

1. Do you think the university campus provides enough infrastructure to cope with rising temperatures?  
   ☐ Yes  
   ☐ No
2. Do you believe youth have a role in climate action and awareness?  
   ☐ Yes  
   ☐ No
3. How likely are you to support climate adaptation policies such as green campus initiatives, heat shelters, etc.?  
   ☐ Very unlikely  
   ☐ Unlikely  
   ☐ Neutral  
   ☐ Likely  
   ☐ Very likely
4. Have you ever participated in any climate awareness campaign or workshop?  
   ☐ Yes  
   ☐ No
5. What actions would you suggest to improve student well-being during heatwaves? *(Open-ended)*
6. In one sentence, describe your emotional response to living in a hotter climate. *(Textual sentiment/emotion)*

Regards

Dr. Md. Murad Hossain