Review of: "IoT Noise And Air Quality Observation System"

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Potential competing interests: No potential competing interests to declare.

Strengths:

- The paper clearly describes the purpose of the project: to monitor noise and air quality using an Arduino Uno, sensors, and a smartphone app.
- The different components of the system are explained, including the Arduino, gas sensor, sound sensor, buzzer, and LCD (in simulation).
- The authors outline a block diagram and schematic explaining how the different parts connect.
- The paper includes a results section with tables summarizing the expected behavior for noise and gas detection.
- The future plans section describes the intention to build a hardware version using an ESP8266 and Blynk app.

Weaknesses:

- The paper mentions replacing a sound sensor with an ultrasonic distance sensor in the simulation, but doesn't fully explain the limitations or how it translates to sound detection.
- There is a lack of detail about the specific gas sensor used and the gas type(s) it detects.
- The paper could benefit from a brief discussion of potential limitations of the system, such as sensor range or accuracy.
- No code examples are provided.