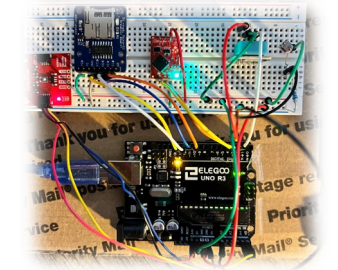
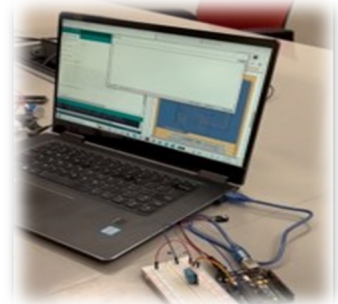


RET Project: ML for Newborn Medical Sensors

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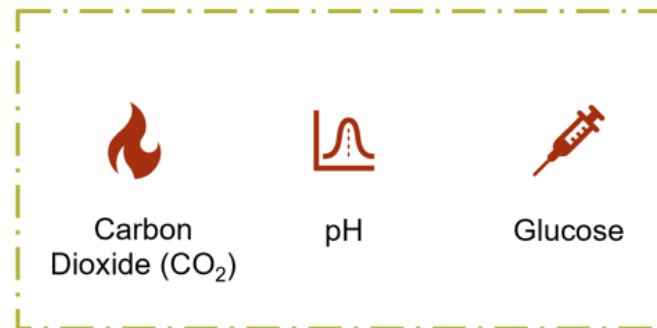
Motivation

- Early Detection of potential medical diseases in newborns.
- Within hours of birth.
- Detect hypoxia or cerebral palsy.



Current Status

- Medical Baby Boot can measure O₂ and Heartrate.
- Hundreds of ML studies performed on blood gas analysis of newborns.



Our Research

- Arduino Circuit Sensor Detection
- Use a Plant to apply ML Logistic Regression algorithm to predict CO₂ and pH.

Confusion Matrix

