

Open source health monitoring and evaluation systems using python

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Introduction

What are Health monitoring systems:

- Various sensors monitor health parameters
- Sensors are integrated with processing and memory units
- Data is analyzed in online and offline mode
- Data reflects status of subject's health

Why Open Source

- Reduce cost
- Induce innovation
- Faster development processes
- Universal access to quality health

RPi

- Credit card sized computer
- Quite powerful (1 GB RAM, Quad core 1 GHz processor)
- Internet and wireless connectivity

Sensors

- Heartbeat measurement sensor
- Blood pressure measurement sensor
- Temperature measurement sensor