# CS 499 README

## About the Project/Project Title

Project: Sensor Twitter Feed

## Motivation

The purpose of this project is to utilize a raspberry pi to read data from grove pi light, sound, and temperature sensors. Once the data is read form the sensors it will transmit the data to Twitter.

## Getting Started

Project needs a raspberry pi, grove pi and appropriate sensors.

## Installation

The source code file can be obtained threw GitHub or dexter industries. Make sure that the sensors are plugged into the appropriate plugs that are designated in the source code.

## Usage

### Code Example

# Connections

sound\_sensor = 0 # port A0

light\_sensor = 1 # port A1

temperature\_sensor = 2 # port D2

led = 3 # port D3

# Get value from light sensor

light\_intensity = grovepi.analogRead(light\_sensor)

# Get value from temperature sensor

[t,h]=[0,0]

[t,h] = grovepi.dht(temperature\_sensor,0)

## Contact

Your name: Sean Churchill