### Basic Understanding of weather Station

#### Instruments available to use with arduino:

* [DHT11 Temp and Humidity Sensor](https://create.arduino.cc/projecthub/antoine-de-chassey/mkrfox1200-weather-station-255543?ref=tag&ref_id=weather&offset=9) 
  + measure temperature,
  + relative humidity,
* [Pressure Sensor,](https://create.arduino.cc/projecthub/dnbakshi07/mini-weather-station-using-arduino-nano-b211fe?ref=tag&ref_id=weather&offset=17)
* [Measuring Rainfall](https://create.arduino.cc/projecthub/m_karim02/rainfall-measured-using-arduino-114ebc?ref=search&ref_id=detect%20rainfall&offset=0)
* [Anemometer wind speed and direction](https://create.arduino.cc/projecthub/achindra/diy-anemometer-wind-speed-sensor-device-84a2e3?ref=tag&ref_id=weather&offset=18)

#### Data Collection - graph sensor data on arduino

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#### professional weather stations v homemade ones - what data can be collected with arduino?

#### Plan, design, build, program weather station

#### Analyze Data

Data Collection

All Weather Station Project iDeas from Arduino Project Hub:

<https://create.arduino.cc/projecthub/search?q=weather+station>

Make Magazine -weather station

<https://makezine.com/2015/11/20/build-your-own-arduino-weather-station/>

[Instructable instructions for making weather station](https://www.instructables.com/Arduino-Weather-Station-AWS/)

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