**Worksheet 9**

**Data Analytics in the Internet of Things**

**CPSC 3555 - Spring 2018**

Section 1: Read Section 1.5 in the textbook and summarize the section.

IoT analytics is the application of [data analysis](http://searchdatamanagement.techtarget.com/definition/data-analytics) tools and procedures to realize value from the huge volumes of data generated by connected [Internet of Things](http://internetofthingsagenda.techtarget.com/definition/Internet-of-Things-IoT) [devices](http://internetofthingsagenda.techtarget.com/definition/thing-in-the-Internet-of-Things). The potential of IoT analytics is often discussed in relation to the [Industrial IoT](http://internetofthingsagenda.techtarget.com/definition/Industrial-Internet-of-Things-IIoT). The IoT makes it possible for organizations to collect and analyze [data from sensors](http://internetofthingsagenda.techtarget.com/definition/sensor-data) on manufacturing equipment, pipelines, weather stations, [smart meters](http://internetofthingsagenda.techtarget.com/definition/smart-meter), delivery trucks and other types of machinery. IoT analytics offers similar benefits for the management of data centers and other facilities, as well as retail and healthcare applications

Section 2: What analytics can you extract from the edge device you are creating for the final project?

Data received from my flame detecting device can be analyzed to detect how long a place can goes without being caught on fire. This data can be used to take statistics of the area at study.