# Business Understanding

## Business Objectives

**Background**

With the discovery of new regions in the Pokemon world, strange and unidentified Pokemon has been appearing in the wilderness. With such unknowns, this can lead to a myriad of dangers from novice Pokemon trainers facing such dangerous unknown Pokemon to entire cities being threatened with the potential destructive capabilities of Pokemon. Therefore, it is imperative that we are able to classify Pokemon and record as much information about them. Professor Oak, renowned expert in the field of Pokemon has already begun the initiative of classifying Pokemon through the invention of the Pokedex, a device which acts as an encyclopaedia of currently identified Pokemon.

The project is commissioned with the following objectives:

* Given an unknown Pokemon, the program is able to classify based on their characteristics on what type of Pokemon
* Classify whether the Pokemon has a secondary type and what that type is
* Identify potential “legendary” Pokemon

Tentatively, the project will be a success if:

* Low error prediction rate
* Ability to classify well
* Works on new unknown datasets
* Works if incomplete information (not sure)

**Assess Situation**

**Determine Data Mining Goals**

**Produce Project Plan**

## Data Understanding

**Collect Initial Data**

**Describe Data**