**NASA NEAREST earth OBJECTS Dataset**

The problem scenario for this dataset is to predict whether near Earth objects[[1]](#footnote-1) in space are considered hazardous to Earth (1) or not (0) based on the following features:

* name – the name of the object
* abs\_magnitude – a description of intrinsic luminosity
* min\_diameter – minimum estimated diameter in kilometres
* max\_diameter – maximum estimated diameter in kilometres
* orbiting\_body – the planet the asteroid orbits
* relative\_velocity – velocity relative to Earth, measured in km/h
* miss\_distance – distance asteroid missed Earth, in kilometres

This is a modified version of a dataset available online. You must use this version of the dataset, which has been modified in specific ways for the purposes of this assessment.

1. <https://en.wikipedia.org/wiki/Near-Earth_object> [↑](#footnote-ref-1)