AML assignment 2 report

Roel Duijsings s1086375

# Data analysis

## inbound\_loads.csv:

* all weight\_uom values are in pounds (or NaN)
* 17756 different trailers in use. Some are used >267 times, others only once.

## demand\_kWtrain\_val.csv

* The train data is from 2018-12-31 21:15:00 to 2021-10-11 06:05:00
* The validation data is from 2021-10-11 06:08:00 to 2021-12-13 17:59:00.
  + Therefore the validation data is only winter period, so expect lower temperatures! and therefore lower demand? Is the data representative?

## weather.csv

## Pallet\_history\_Gold\_Spike.csv



# Thinking process

First of all, I read through the assignment on Bright Space. Then, I scanned the data files that were provided.

After, scanning the demand\_kWtrain\_val.csv file, I realized that the only input is the datetime and the output is a float of the demand in energy in kW.

This datetime input can be connected to multiple pieces of information, such as:

* the weather at that datetime (temperature, humidity)