1

There will be a lot of joins needed in order to perform these operations, which will in turn take a lot of time to perform on such large data sets.

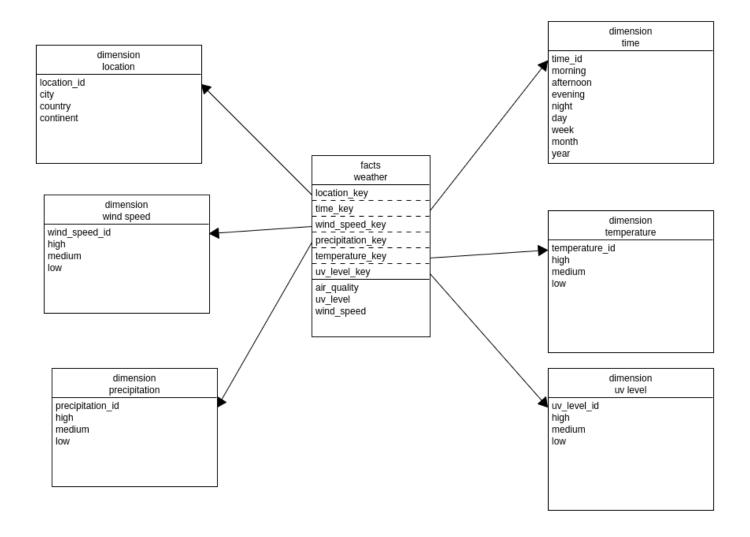
2

location: city -> country -> continent -> all
time: morning -> afternoon -> evening -> night -> day -> week -> month -> year -> decade -> all
wind speed: high -> medium -> low -> all
precipitation: high -> medium -> low -> all

air quality: good -> medium -> bad -> all temperature: high -> medium -> low -> all

uv level: high -> medium -> low -> all

3



4

6 cuboids, as there are 6 tables.

5

Roll Up time: day -> decade

Roll up location: city -> continent

dice: continent = "Europe"

slice: wind speed = all slice: precipitation = all slice: air quality = all slice: temperature = all

slice: uv level = all