Ben Puryear

project_part3.pdf

DA3 – project_part3.pdf

Data Used:

puryear_headphones_sleep.csv

- What table could be populated from this data source?

The table that would be created would be one that includes my average headphone volume, as well as my sleep schedule.

- What is at least one other table of data you could combine with this one to form a larger and more informative dataset?

My previous data used in DA2. That data also is split into dates and can be used to correlate if my physical activity is related to my headphone usage, as well as my sleep cycle.

- For each table in your dataset:
  - What is an instance? What is the universe of instances?

The universe of instances is all dates I have been listening to music with my airpods, but the cropped instance is all the music ive listened to in 2021 with my airpods so far.

  - What are the attributes? For each attribute:
    - Is it categorical/discrete or continuous?
      All the attributes are continuous because my headphone usage could be any volume. It, as well as my sleep schedule, are not tied down to certain values.
    - What is its scale of measurement (e.g. nominal, ordinal, interval, ratio)
      Interval
  - Is there a key?
    The date / occasional hourly attribute
  - Is there an attribute (or attributes) that would logically serve as a class for supervised learning? Meaning would it be logical/interesting to predict this attribute based on the other attributes? What would be the value of predicting this attribute?
    None that are exclusively from this csv. But if you included my previous data used in DA2 it would be interesting to see how my sleep time and physical activity correspond.
- What would be a common key you could use to identify instances across your tables?
  The date