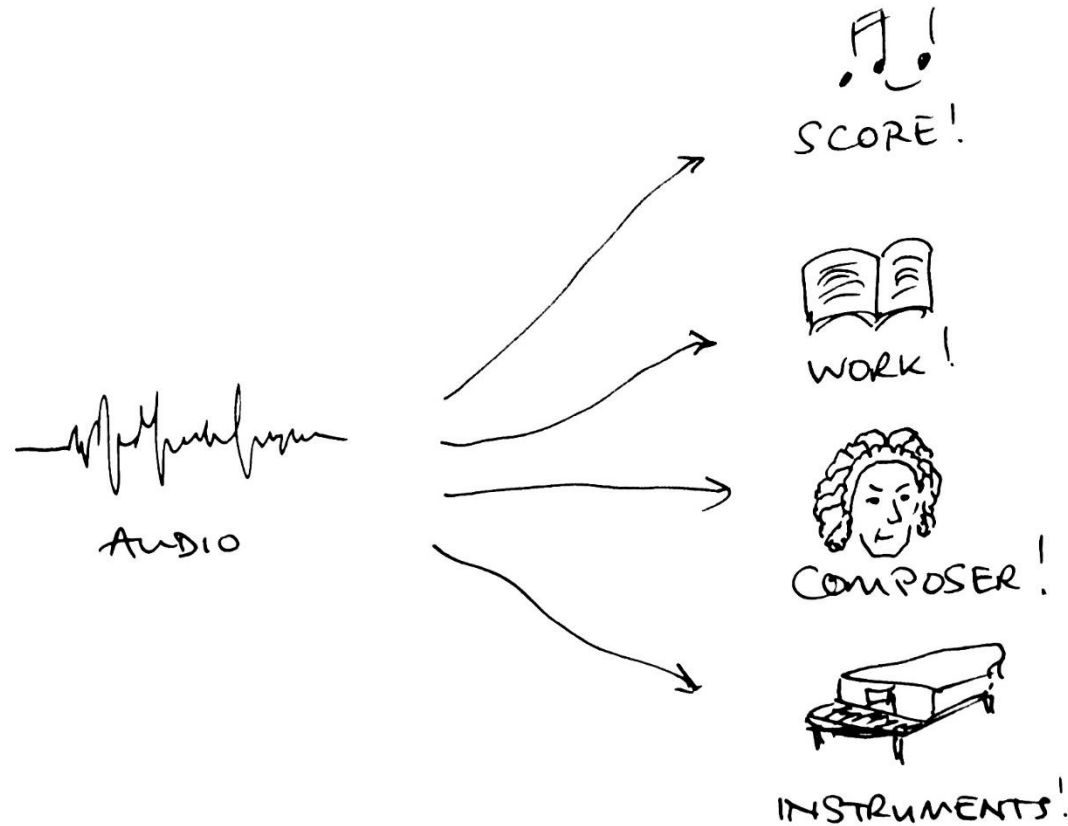


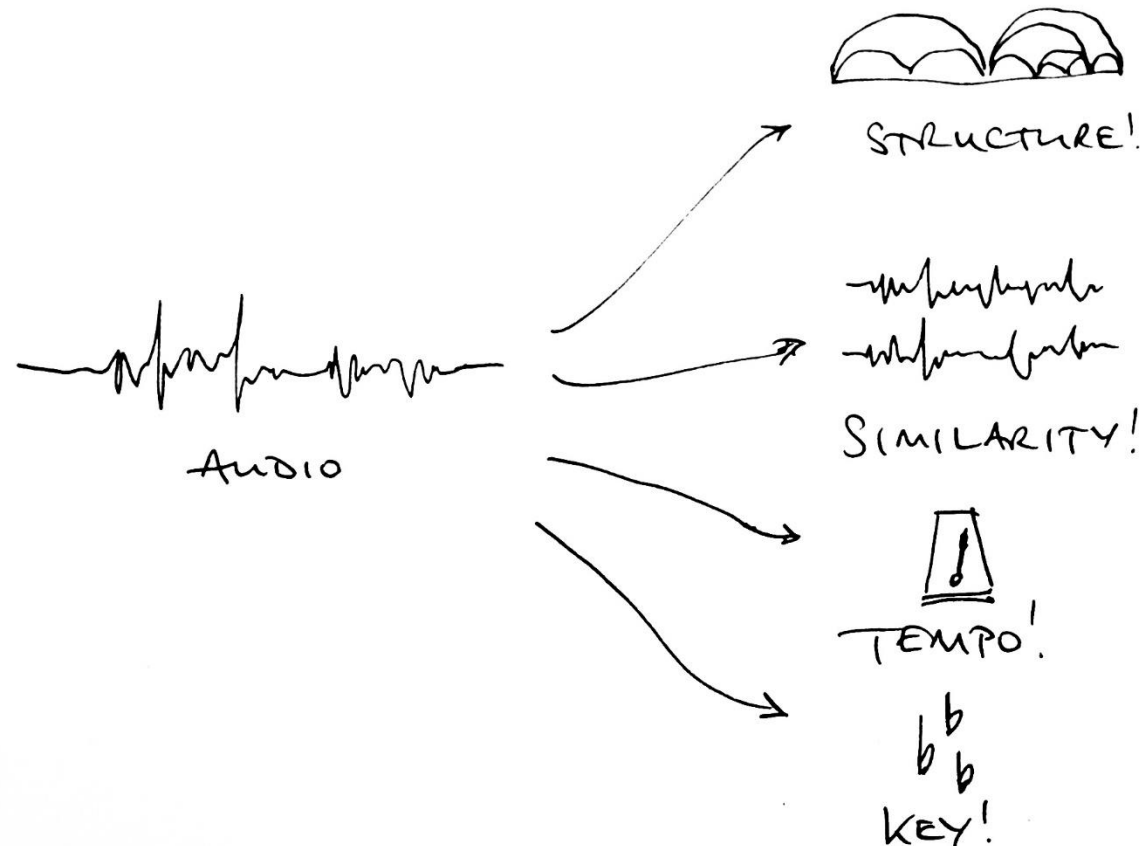
What do we mean by “audio feature”?

Ideal: TRUE MEANING extracted from the audio signal



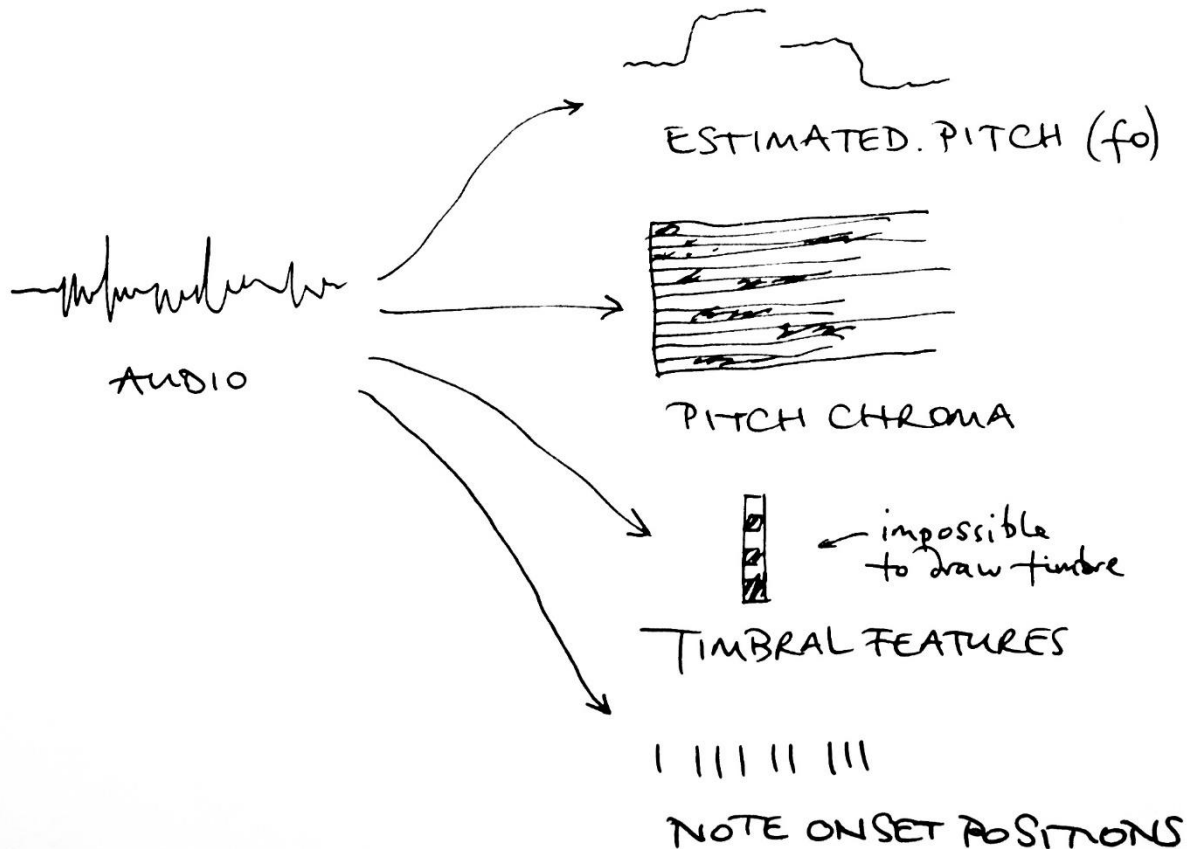
What do we mean by “audio feature”?

Ideal: TRUE MEANING extracted from the audio signal



What do we mean by “audio feature”?

Reality: something we can squint at & interpret a bit



“Low-level” and “high-level” features

Low-level: “mechanically recovered” from the audio

- e.g. amplitude, timbral descriptors, spectral features

High-level: usually obtained from low-level features + lots of context (template matching, machine-learning, domain knowledge)

- e.g. key, pitch, tempo, notes, phrases, similarity

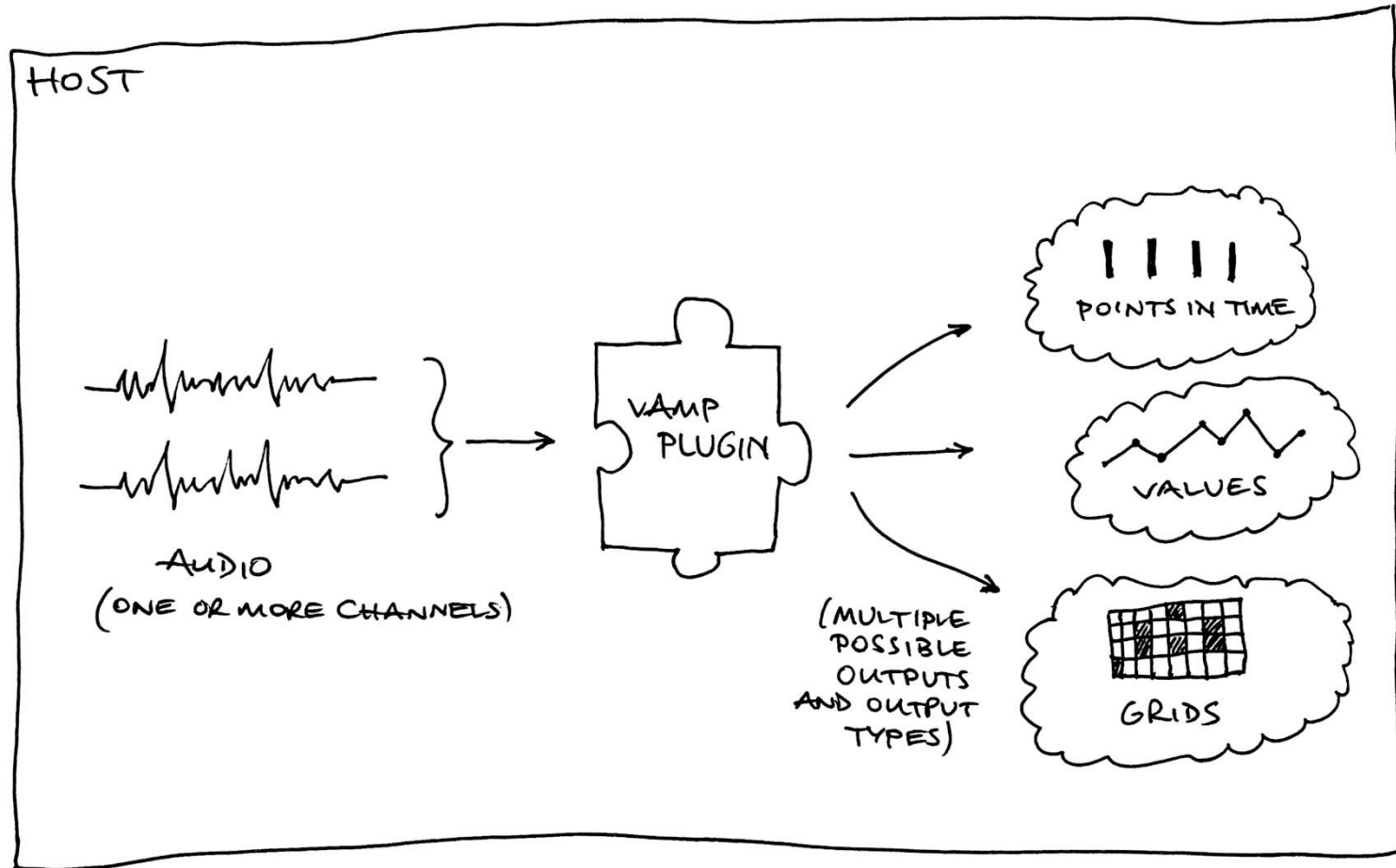
Vamp plugins

Small files you can install that add new feature extractors.

Once installed, can be used with several different “hosts”:

- Sonic Visualiser
- Audacity audio editor (simple feature extractors only)
- Sonic Annotator – batch audio feature extraction program
- Python Vamp host – integrate with analysis, search, plotting workflow – we’ll see this shortly

Vamp plugins and audio features



What does a Vamp feature consist of?

