**ORTAK HEDEFLER**

1. **Orchestral**
2. **Rock**
3. **Soft\_rock /blues**
4. **Ethnic ambient**
5. **Jazz**
6. **Electronic**
7. **Pop (eksi yeni hepsi) x ( includes synth)**
8. **Hiphop/rap**

**100 x 8 “”” len(song) – 60sec “””**

**Final**

1. orchestral /classical
2. metal / punk
3. Rock & sub-genres
4. Blues
5. jazz / avangard (free improv/ instrumental hiphop)
6. hiphop / rap
7. old\_pop (Soul/funk/boogie) (anything Retro synth)
8. late\_pop / rnb
9. electronic\_upbeat / modern EDM / Dubstep
10. electronic\_downbeat / electronica / trip hop
11. Turkish Classical Music
12. Ethnic ambient music (far-east, central-asia, nord etc.)
13. (?) topluma mâl olmuş etnik müzik (?) latin / raggea /pre-1960 western/balkan

n\*(n-1)/2 = possible pairs for binary model

**IRAZ 20 Mart**

1. Python // Crash Course – Numpy – Pandas – Matplotlib
2. <https://github.com/MerttErturkk/Internship_repository> ANALYSIS /SCIKIT
3. <https://www.youtube.com/playlist?list=PL-wATfeyAMNqIee7cH3q1bh4QJFAaeNv0>
4. Papers / Academia

* Music classification
* Defining differences of music genres

1. https://towardsdatascience.com/music-genre-classification-with-python-c714d032f0d8

**MERT 20 Mart**

1. Çalışan bi model bul dene !
2. Multilabel classification araştır. (OnevsRest) (softmax)
3. Linear Models (Support Vector Machines)
4. Chromogram and chord progression / PCA
5. DOWNLOAD > AUDIO FEATURE > DATAFRAME PIPELINE
6. Ensemble Learning detay gir.
7. XGboost optimizasyon? Gradient Boost nedir?

https://towardsdatascience.com/journey-to-the-center-of-multi-label-classification-384c40229bff

**OPTIONAL Mayıs 01 - Mayıs 20**

1. Webscraping For Info (Title,length,recommendations)
2. Deep Learning
3. Songs as Objects
4. Website (flask / django)