Experiment Design
- Exercise 2

Group 04

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Experiment Design - Exercise 2

Reproducibility - Paper 2

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Introduction - Paper 2

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AcousticBrainz Genre Task 2018: Genre and subgenre prediction of unknown music recordings (songs)

Detail: Content-based musicgenre recognition using genre annotations from multiple sources and large-scale music features data available in the AcousticBrainz database.

Approach - Paper 2

MediaEval 2018 AcousticBrainz Genre Task: A baseline combining deep feature embeddings across datasets

Written by Sergio Oramas, Dmitry Bogdanov, Alastair Porter

Presented MediaEval'18, 29-31 October 2018, Sophia Antipolis, France

Available Resources

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AcousticBrainz Genre Task 2018 site: (link)

Baseline Implementation: GitHub Repository (link) which links to a specific version of Sergio Oramas GitHub Repo "Tartarus".

Datasets: Zenodo

▶ Ground truth (restricted)
▶ Genre annotations

Reproducability #1

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Linked GitHub repo "Tartarus" suggests 3 different
experiments for other datasets/papers.

Idea: Identify the most identical experiment and try to
reproduce with AcousticBrainz dataset.

Kindly asked main author to provide a bit more information
how to run.

Reproducability #2

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Loading datasets of other experiments cumbersome

▶ MSD-A: Million Song Dataset for Artists gDrive
▶ MuMu: Multimodal Music Dataset v3 (MSD + Amazon
  Reviews + MusicBrainz)
▶ MSD-I: Audio, images and genre annotations

Only 2 out of 3 experiments even start.

Outlook

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Waiting for feedback of author.

Meanwhile: Trying to apply code of referenced experiments to our dataset.

End

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Questions? Suggestions?