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DS 203 - E7 Project Feedback and Assessment Report

(Refer Moodle document README-E7-feedback.html to register cribs)
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Summary:

RollNo	Name	GroupNo	ProcessMarks	ResultsMarks	DocumentationMarks	Total
23B1854	Gokularamanan Ravichandran Selvarani	41	10	10	8	28

Group Members:

E7GroupNo	RollNo	Name
41	23B1817	Arash Dev Ahlawat
41	23B1849	Kale Chinmay Jagdish
41	23B1853	Arya Sameer Joshi
41	23B1854	Gokularamanan Ravichandran Selvarani

Assessment Comments:

Key	Comments
TASummary	source to Moodle; source looks ok; training data to external repo - about 215 files; 6 clusters created; all songs correctly identified; no optional questions attempted; 1) Code fully explained in the slides. 2) Approach detailed out, and all part-results attached. 3) Seems to have classified most of the 116 files correctly
EDAComments	PCA, elbow; scatter; heatmaps; clustering; reverse engineering - manual classification - fairly successful - need to see how it was used! - used to verify model output - Ok; plot analysis is Ok;
FeatureEngineeringComments	Used CNN
MLMethods	CNN-RNN; external training dataset used; Kaggle with GPUs used;
MetricsComments	Presentation is low on metrics. Could have been much better. See later comments
OverallProcessComments	Good and exhaustive steps and efforts.
MandatoryQuestionsResults	Results are very good!
OptionalQuestionsResults	Not attempted

ResultsComments	Results are excellent.
DocumentationComments	slides 11 and 12 - what are the conclusions? what are the images? The CNN description in slides 25-27 could have been nicely done using an architecture diagram! slide 29 - graph of losses? The code descriptions are exhaustive; formal presentation and analysis of classification metrics is missing - particularly PRECISION and RECALL numbers for each of the classes - that would have been more relevant.
OverallRemarks	Good and exhaustive efforts; good learnings; good results; documentation could definitely have been better; it is not bad, but focuses much on 'textual description of code' rather than presenting stuff visually; it is much low on metrics;