DS 203 - E7 Project Feedback and Assessment Report

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

Summary:

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

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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 |

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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; |