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| **Functional Neural Network** | |
| **Baseline Model 1: Collaborative Filtering**  Input Variables: User\_id, media\_id is\_lisened  Variable preprocessing: None | **Baseline Model 2: Hybrid**  Input Variables: User\_id, media\_id, context\_type, is\_lisened  Variable preprocessing: None |
| Optimizer | |
| {'name': 'Adam',  'learning\_rate': 0.001,  'decay': 0.0,  'beta\_1': 0.9,  'beta\_2': 0.999,  'epsilon': 1e-07,  'amsgrad': False} | {'name': 'Adam',  'learning\_rate': 0.001,  'decay': 0.0,  'beta\_1': 0.9,  'beta\_2': 0.999,  'epsilon': 1e-07,  'amsgrad': False} |
| Model | |
|  |  |
| Training | |
|  |  |
| Evaluation | |
| loss: 0.5805 - accuracy: 0.6992 | loss: 0.6958 - accuracy: 0.5950 |
| Prediction | |
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