

# 11/06 Find related research code

## 1. Audio-Based Piano Performance Evaluation for Beginners With Convolutional Neural Network and Attention Mechanism

GitHub

<https://github.com/Karfim/PianoScore>

CZ1517-38.png

CZ1517-39.png

CZ1517-40.png

CZ1517-41.png

CZ1517-42.png

CZ1517-43.png

CZ1517-44.png

piano score

1-The people in their hometown...

10-Turkish march (土耳其进行曲)

11-William Tell (威廉泰尔).pdf

12-Champagne (香槟).pdf

2-Ping-Pong variations(part 4 a...

3-Ping-Pong variations(part 1, 2...

4-Serenade (小夜曲).pdf

5-Long drum dance of Yao nati...

6-In May (在五月的).pdf

7-Song of spring (春之歌).pdf

8-Herdsmen sing for the chair...

9-Nasty woodpecker (讨厌的啄木鸟)

test

README.md

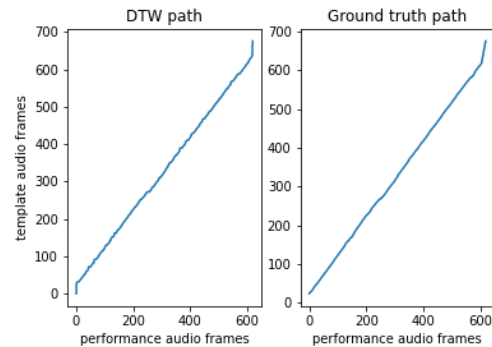
note\_label.csv

Search this file

	template	CZ1511-01	CZ1511-02	CZ1511-03	CZ1511-04	CZ1511-05	CZ1511-06	CZ1511-07	CZ1511-08	CZ1511-09	CZ1511-10	CZ1511-11
1	G	0.73-1.03	G	0.38	G	0.34	G	0.36	G	0.3	G	0.3
2	D	1.38	D	0.76	D	0.67	D	0.71	D	0.6	D	0.54
3	D	1.38	D	0.76	D	0.67	D	0.71	D	0.6	D	0.54
4	BG	1.68	BG	1.1	BG	1	BG	1.05	BG	0.86	BG	0.82
5	DG	2	DG	1.47	DG	1.31	DG	1.4	DG	1.14	DG	1.09
6	BG	2.33	BG	1.83	BG	1.65	BG	1.76	BG	1.41	BG	1.35
7	DG	2.66	DG	2.2	DG	1.98	DG	2.13	DG	1.68	DG	1.61
8	BG	2.99	BG	2.58	BG	2.3	BG	2.49	BG	1.97	BG	1.9
9	D	3.3	D	2.95	D	2.62	D	2.84	D	2.25	D	2.18
10	DG	3.63	DG	3.3	DG	2.91	DG	3.21	DG	2.54	DG	2.45
11	D	3.95	D	3.65	D	3.23	D	3.55	D	2.83	D	2.72
12	BD	4.27	BD	4	BD	3.56	BD	3.89	BD	3.1	BD	2.99
13	D	4.57	D	4.35	D	3.86	D	4.23	D	3.38	D	3.26
14	G	4.9	G	4.7	G	4.12	G	4.59	G	3.65	G	3.52
15	D	5.22	D	5.07	D	4.5	D	4.95	D	3.91	D	3.78
16	BD	5.52	BD	5.45	BD	4.85	BD	5.31	BD	4.2	BD	4.06
17	D	5.87	D	5.8	D	5.12	D	5.65	D	4.5	D	4.35
18	BG	6.2	BG	6.15	BG	5.45	BG	5.99	BG	4.77	BG	4.62
19	D	6.5	D	6.5	D	5.74	D	6.36	D	5.05	D	4.88
20	B	6.85	B	6.81	B	6.06	B	6.7	B	5.33	B	5.15
21	CD	7.16	CD	7.15	CD	6.37	CD	7.07	CD	5.6	CD	5.42

Karfim Add alignment path

Executable File 19.6 KB



- 악보 pdf 파일과 note\_label.csv 파일, DTW(Dynamic time wrapping) 경로 이미지 파일들 존재

## 2. Observing Pianist Accuracy and Form with Computer Vision

YouTube	<a href="https://www.youtube.com/watch?v=xORC1HONt7Y">https://www.youtube.com/watch?v=xORC1HONt7Y</a>	코드 공개 X, 유튜브 영상만 제공
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## 3. Retracted: Evaluation Strategy of the Piano Performance by the Deep Learning Long Short-Term Memory Network

철회된 논문 / 공개된 코드 없음

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## 4. Automatic Evaluation of Piano Performances for STEAM Education

GitHub	공개된 코드 없음
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## 5. A ResNet-Based Audio-Visual Fusion Model for Piano Skill Evaluation

공개된 코드는 없으나 ResNet을 이용해 전이학습할 때 사용한 하이퍼파라미터 값들 공개
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