

Supplementary materials for Temporal Segmentation of Fine-grained Semantic action: A Motion-Centered Figure Skating Dataset

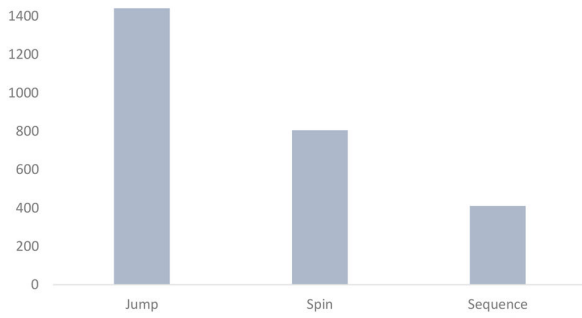
Paper ID:3224

Dataset Statistics

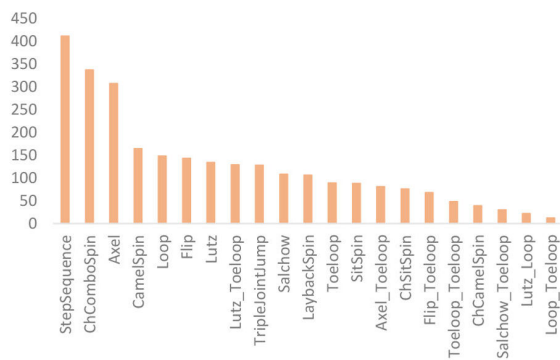
We present the histogram of set classes in MCFS-4 and its subset classes (MCFS-22) and element classes (MCFS-130) in Figure 1. All levels drop the category "NONE".

List of MCFS Classes

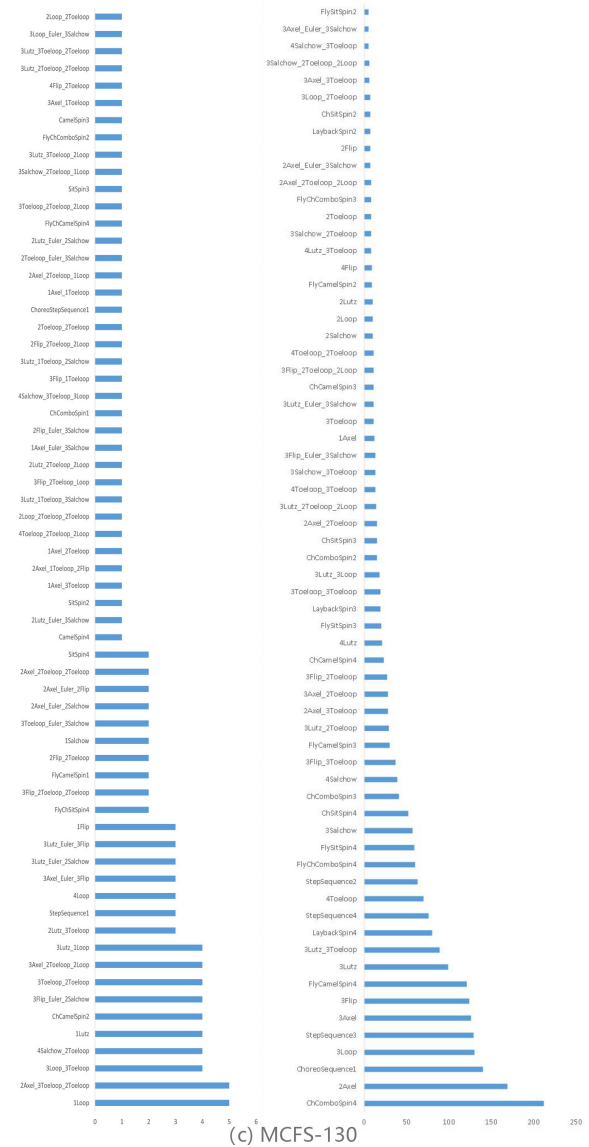
In Table 1, we present the category name for all classes in the MCFS-130 dataset. We also provide the class id of each category in the subsets (MCFS-22) and sets (MCFS-4) respectively.



(a) MCFS-4



(b) MCFS-22



(c) MCFS-130

Figure 1: Frequency of set classes in (a) MCF-4 as well as its subset classes in (b) MCFS-22 and element classes in (c) MCFS-130.

ClassID	Class name(MCFS-130)	Class name(MCFS-22)	Class name(MCFS-4)
0	NONE	NONE	NONE
1	ChComboSpin4	StepSequence	Jump
2	2Axel	ChComboSpin	Spin
3	ChoreoSequence1	Axel	Sequence
4	3Loop	CamelSpin	
5	StepSequence3	Loop	
6	3Axel	Flip	
7	3Flip	Lutz	
8	FlyCamelSpin4	Lutz_Toeloop	
9	3Lutz	TripleJointJump	
10	3Lutz_3Toeloop	Salchow	
11	LaybackSpin4	LaybackSpin	
12	StepSequence4	Toeloop	
13	4Toeloop	SitSpin	
14	StepSequence2	Axel_Toeloop	
15	FlyChComboSpin4	ChSitSpin	
16	FlySitSpin4	Flip_Toeloop	
17	3Salchow	Toeloop_Toeloop	
18	ChSitSpin4	ChCamelSpin	
19	ChComboSpin3	Salchow_Toeloop	
20	4Salchow	Lutz_Loop	
21	3Flip_3Toeloop	Loop_Toeloop	
22	FlyCamelSpin3		
23	3Lutz_2Toeloop		
24	2Axel_3Toeloop		
25	3Axel_2Toeloop		
26	3Flip_2Toeloop		
27	ChCamelSpin4		
28	4Lutz		
29	FlySitSpin3		
30	LaybackSpin3		
31	3Toeloop_3Toeloop		
32	3Lutz_3Loop		
33	ChComboSpin2		
34	ChSitSpin3		
35	2Axel_2Toeloop		
36	3Lutz_2Toeloop_2Loop		
37	4Toeloop_3Toeloop		
38	3Salchow_3Toeloop		
39	3Flip_Euler_3Salchow		

40	1Axel		
41	3Toeloop		
42	3Lutz_Euler_3Salchow		
43	ChCamelSpin3		
44	3Flip_2Toeloop_2Loop		
45	4Toeloop_2Toeloop		
46	2Salchow		
47	2Loop		
48	2Lutz		
49	FlyCamelSpin2		
50	4Flip		
51	4Lutz_3Toeloop		
52	3Salchow_2Toeloop		
53	2Toeloop		
54	FlyChComboSpin3		
55	2Axel_2Toeloop_2Loop		
56	2Axel_Euler_3Salchow		
57	2Flip		
58	LaybackSpin2		
59	ChSitSpin2		
60	3Loop_2Toeloop		
61	3Axel_3Toeloop		
62	3Salchow_2Toeloop_2Loop		
63	4Salchow_3Toeloop		
64	3Axel_Euler_3Salchow		
65	FlySitSpin2		
66	1Loop		
67	2Axel_3Toeloop_2Toeloop		
68	3Loop_3Toeloop		
69	4Salchow_2Toeloop		
70	1Lutz		
71	ChCamelSpin2		
72	3Flip_Euler_2Salchow		
73	3Toeloop_2Toeloop		
74	3Axel_2Toeloop_2Loop		
75	3Lutz_1Loop		
76	2Lutz_3Toeloop		
77	StepSequence1		
78	4Loop		
79	3Axel_Euler_3Flip		
80	3Lutz_Euler_2Salchow		
81	3Lutz_Euler_3Flip		
82	1Flip		
83	FlyChSitSpin4		
84	3Flip_2Toeloop_2Toeloop		
85	FlyCamelSpin1		
86	2Flip_2Toeloop		
87	1Salchow		
88	3Toeloop_Euler_3Salchow		
89	2Axel_Euler_2Salchow		
90	2Axel_Euler_2Flip		
91	2Axel_2Toeloop_2Toeloop		
92	SitSpin4		
93	CamelSpin4		
94	2Lutz_Euler_3Salchow		
95	SitSpin2		

96	1Axel_3Toeloop		
97	2Axel_1Toeloop_2Flip		
98	1Axel_2Toeloop		
99	4Toeloop_2Toeloop_2Loop		
100	2Loop_2Toeloop_2Toeloop		
101	3Lutz_1Toeloop_3Salchow		
102	3Flip_2Toeloop_Loop		
103	2Lutz_2Toeloop_2Loop		
104	1Axel_Euler_3Salchow		
105	2Flip_Euler_3Salchow		
106	ChComboSpin1		
107	4Salchow_3Toeloop_3Loop		
108	3Flip_1Toeloop		
109	3Lutz_1Toeloop_2Salchow		
110	2Flip_2Toeloop_2Loop		
111	2Toeloop_2Toeloop		
112	ChoreoStepSequence1		
113	1Axel_1Toeloop		
114	2Axel_2Toeloop_1Loop		
115	2Toeloop_Euler_3Salchow		
116	2Lutz_Euler_2Salchow		
117	FlyChCamelSpin4		
118	3Toeloop_2Toeloop_2Loop		
119	SitSpin3		
120	3Salchow_2Toeloop_1Loop		
121	3Lutz_3Toeloop_2Loop		
122	FlyChComboSpin2		
123	CamelSpin3		
124	3Axel_1Toeloop		
125	4Flip_2Toeloop		
126	3Lutz_2Toeloop_2Toeloop		
127	3Lutz_3Toeloop_2Toeloop		
128	3Loop_Euler_3Salchow		
129	2Loop_2Toeloop		

Table 1: List of all the element-level classes in MCFS. The relative class id in MCFS-22 and MCFS-130 is also provided.