

[['2018-01-03 15:30:00', '2018-01-03 16:59:59'],
 ['2018-01-18 15:30:00', '2018-01-18 15:59:59']]

2 Sets Combined for Testing

Training Set			Original			Corrected	
face id	count	precision	recall	precision	delta p	recall	delta r
0	7	—	—	—	—	—	—
49	419	0.9924	0.9403	0.9757	-0.0167	0.9594	0.0191
52	93	0.2163	1.0000	0.3224	0.1061	0.6344	-0.3656
73	352	0.9946	0.5199	0.9263	-0.0683	0.8210	0.3011
80	382	0.9878	0.6335	0.9633	-0.0245	0.8246	0.1911
81	216	0.9831	0.8056	0.8690	-0.1141	0.9213	0.1157
82	224	0.8577	0.9955	0.9609	0.1032	0.9866	-0.0089
sum	1693	0.7732	0.7732	0.8771	0.1040	0.8771	0.1040

[['2018-01-09 15:30:00', '2018-01-09 15:59:59']]

Independent Test Set 1

Test Set 1			Original			Corrected	
face id	count	precision	recall	precision	delta p	recall	delta r
0	0	—	—	—	—	—	—
49	0	—	—	—	—	—	—
52	0	—	—	—	—	—	—
73	161	0.9857	0.4286	0.9429	-0.0429	0.6149	0.1863
80	184	0.9897	0.5217	0.9633	-0.0264	0.5707	0.0489
81	0	—	—	—	—	—	—
82	0	—	—	—	—	—	—
sum	345	0.4783	0.4783	0.5913	0.1130	0.5913	0.1130

['2018-01-11 15:30:00', '2018-01-11 15:59:59']
Independent Test Set 2

Test Set 2			Original			Corrected	
face id	count	precision	recall	precision	delta p	recall	delta r
0	1	—	—	—	—	—	—
49	9	0.7500	1.0000	0.3000	-0.4500	1.0000	0.0000
52	21	0.1010	1.0000	0.0430	-0.0580	0.1905	-0.8095
73	142	0.9881	0.5845	0.8582	-0.1299	0.8521	0.2676
80	184	0.9714	0.3696	0.8547	-0.1167	0.5435	0.1739
81	9	0.8182	1.0000	0.3913	-0.4269	1.0000	0.0000
82	159	0.9929	0.8742	1.0000	0.0071	0.7610	-0.1132
sum	525	0.6267	0.6267	0.6933	0.0667	0.6933	0.0667

['2018-01-16 15:30:00', '2018-01-16 15:59:59']
Independent Test Set 3

Test Set 3			Original			Corrected	
face id	count	precision	recall	precision	delta p	recall	delta r
0	2	—	—	—	—	—	—
49	137	0.9845	0.9270	0.9412	-0.0433	0.9343	0.0073
52	146	0.5124	0.9932	0.7703	0.2579	0.7808	-0.2123
73	160	0.9733	0.4563	0.9021	-0.0712	0.8063	0.3500
80	136	0.9767	0.6176	0.7195	-0.2572	0.8676	0.2500
81	34	0.9444	1.0000	0.7895	-0.1550	0.8824	-0.1176
82	177	0.9235	0.9548	0.9816	0.0581	0.9040	-0.0508
sum	792	0.7980	0.7980	0.8573	0.0593	0.8573	0.0593

['2018-01-25 15:30:00', '2018-01-25 15:59:59']

Test Set 4			Original			Corrected	
face id	count	precision	recall	precision	delta p	recall	delta r
0	0	—	—	—	—	—	—
49	151	0.9790	0.9272	0.9655	-0.0135	0.9272	0.0000
52	0	—	—	—	—	—	—
73	164	1.0000	0.5793	0.9927	-0.0073	0.8293	0.2500
80	168	0.9661	0.3393	0.8017	-0.1644	0.5536	0.2143
81	0	—	—	—	—	—	—
82	135	0.9130	0.9333	0.9921	0.0790	0.9259	-0.0074
sum	618	0.6764	0.6764	0.7994	0.1230	0.7994	0.1230

Overall Result

face id	Category	Training	Test 1	Test 2	Test 3	Test 4	Average
0	count	7	0	1	2	0	2
49	count	419	0	9	137	151	143
	Δ precision	-1.7%	—	-45.0%	-4.3%	-1.4%	-13.1%
	Δ recall	1.9%	—	0.0%	0.7%	0.0%	0.7%
52	count	93	0	21	146	0	52
	Δ precision	10.6%	—	-5.8%	25.8%	—	10.2%
	Δ recall	-36.6%	—	-81.0%	-21.2%	—	-46.2%
73	count	352	161	142	160	164	196
	Δ precision	-6.8%	-4.3%	-13.0%	-7.1%	-0.7%	-6.4%
	Δ recall	30.1%	18.6%	26.8%	35.0%	25.0%	27.1%
80	count	382	184	184	136	168	211
	Δ precision	-2.4%	-2.6%	-11.7%	-25.7%	-16.4%	-11.8%
	Δ recall	19.1%	4.9%	17.4%	25.0%	21.4%	17.6%
81	count	216	0	9	34	0	52
	Δ precision	-11.4%	—	-42.7%	-15.5%	—	-23.2%
	Δ recall	11.6%	—	0.0%	-11.8%	—	-0.1%
82	count	224	0	159	177	135	139
	Δ precision	10.3%	—	0.7%	5.8%	7.9%	6.2%
	Δ recall	-0.9%	—	-11.3%	-5.1%	-0.7%	-4.5%
sum	count	1693	345	525	792	618	795
	Δ precision	10.4%	11.3%	6.7%	5.9%	12.3%	9.3%
	Δ recall	10.4%	11.3%	6.7%	5.9%	12.3%	9.3%