Metrics of evaluation algorithm
Detector: YoloX, tracker: ByteTrack

Terminal Local

	Rcll	Prcn	GT	MT	PT	ML	FP	FN	IDs	FM	MOTA	MOTP	num_objects
TUD-Stadtmitte	89.8%	95.4%	10	90.0%	10.0%	0.0%	4.3%	10.2%	0.2%	1.0%	85.3%	0.286	1156
TUD-Campus	92.8%	88.3%	8	100.0%	0.0%	0.0%	12.3%	7.2%	0.6%	2.2%	79.9%	0.276	359
KITTI-17	91.2%	55.8%	9	88.9%	11.1%	0.0%	72.3%	8.8%	0.3%	2.3%	18.6%	0.224	683
MOT16-11	94.2%	94.6%	69	79.7%	15.9%	4.3%	5.4%	5.8%	0.3%	0.6%	88.5%	0.123	9174
MOT16-09	90.0%	96.3%	25	84.0%	16.0%	0.0%	3.5%	10.0%	0.6%	1.1%	86.0%	0.138	5257
PETS09-S2L1	97.9%	89.6%	19	100.0%	0.0%	0.0%	11.3%	2.1%	0.0%	0.9%	86.5%	0.255	4476
OVERALL	93.6%	91.8%	140	85.7%	12.1%	2.1%	8.4%	6.4%	0.3%	0.9%	84.9%	0.170	21105

	IDF1	IDP	IDR	Rcll	Prcn	GT	MT	PT	ML	FP	FN	IDs	FM	MOTA	MOTP	IDt	IDa	IDm	num_objects
TUD-Stadtmitte	80.5%	83.0%	78.1%	89.8%	95.4%	10	9	1	0	50	118	2	11	85.3%	0.286	2	1	1	1156
TUD-Campus	88.0%	85.9%	90.3%	92.8%	88.3%	8	8	0	0	44	26	2	8	79.9%	0.276	2	0	1	359
KITTI-17	69.1%	55.7%	91.1%	91.2%	55.8%	9	8	1	0	494	60	2	16	18.6%	0.224	1	0	0	683
MOT16-11	83.8%	84.0%	83.7%	94.2%	94.6%	69	55	11	3	495	531	28	51	88.5%	0.123	17	10	3	9174
MOT16-09	68.7%	71.1%	66.5%	90.0%	96.3%	25	21	4	0	182	526	29	56	86.0%	0.138	27	6	5	5257
PETS09-S2L1	93.6%	89.6%	97.9%	97.9%	89.6%	19	19	0	0	507	96	0	40	86.5%	0.255	0	0	0	4476
OVERALL	81.6%	80.9%	82.4%	93.6%	91.8%	140	120	17	3	1772	1357	63	182	84.9%	0.170	49	17	10	21105

```
2025-06-27 12:03:20 | INFO     | __main__:273 - Completed
(.venv) stas@Stas-GT:~/ID-REID/ByteTrack$
```

Terminal Local

```
All sequences for track_results finished in 0.63 seconds
```

HOTA: track_results-pedestrian	HOTA	DetA	AssA	DetRe	DetPr	AssRe	AssPr	LocA	OWTA	HOTA(0)	LocA(0)	HOTALocA(0)
KITTI-17	51.967	42.117	64.133	73.861	45.163	74.882	70.693	80.523	68.784	69.847	76.03	53.104
MOT16-09	59.673	75.476	47.272	80.526	86.165	59.13	65.48	88.243	61.693	69.936	85.81	60.012
MOT16-11	74.864	78.067	72.005	84.968	85.303	79.05	82.626	88.961	78.213	85.724	87.089	74.657
PETS09-S2L1	67.045	65.131	69.129	75.002	68.695	76.591	73.066	78.388	71.977	92.849	73.929	68.642
TUD-Campus	59.293	59.455	59.247	68.963	65.671	71.133	65.899	77.022	63.914	84.558	71.476	60.439
TUD-Stadtmitte	56.642	61.795	52.213	65.912	70.032	61.019	64.821	75.964	58.635	81.026	70.477	57.105
COMBINED	68.075	70.841	65.951	80.073	78.528	74.835	77.314	85.533	72.61	82.897	82.357	68.272

CLEAR: track_results-pedestrian	MOTA	MOTP	MODA	CLR_Re	CLR_Pr	MTR	PTR	MLR	sMOTA	CLR_TP	CLR_FN	CLR_FP	IDSW	MT	PT	ML	Frag
KITTI-17	18.009	77.665	18.302	90.922	55.595	88.889	11.111	0	-2.2988	621	62	496	2	8	1	0	16
MOT16-09	86.684	87.085	87.217	90.337	96.662	88	12	0	75.018	4749	508	164	28	22	3	0	50
MOT16-11	88.511	87.747	88.794	94.201	94.572	79.71	15.942	4.3478	76.969	8642	532	496	26	55	11	3	50
PETS09-S2L1	86.528	74.494	86.528	97.855	89.626	100	0	0	61.57	4380	96	507	0	19	0	0	42
TUD-Campus	78.83	72.353	79.944	92.479	88.064	100	0	0	53.262	332	27	45	4	8	0	0	9
TUD-Stadtmitte	85.294	71.4	85.467	89.792	95.404	90	10	0	59.613	1038	118	50	2	9	1	0	11
COMBINED	85.013	83.217	85.307	93.637	91.831	86.429	11.429	2.1429	69.298	19762	1343	1758	62	121	16	3	178

Identity: track_results-pedestrian	IDF1	IDR	IDP	IDTP	IDFN	IDFP
KITTI-17	69.111	91.069	55.685	622	61	495
MOT16-09	68.732	66.483	71.138	3495	1762	1418
MOT16-11	83.825	83.66	83.99	7675	1499	1463
PETS09-S2L1	93.56	97.855	89.626	4380	96	507
TUD-Campus	87.772	89.972	85.676	323	36	54
TUD-Stadtmitte	80.481	78.114	82.996	903	253	185
COMBINED	81.633	82.435	80.846	17398	3707	4122

Count: track_results-pedestrian	Dets	GT_Dets	IDs	GT_IDs

```
TrackEval > trackeval > datasets > mot_challenge_2d_box.py          25:32  CRLF  UTF-8  4 spaces  Python
```

YoloX + Deepsort

	Rcll	Prcn	GT	MT	PT	ML	FP	FN	IDs	FM	MOTA	MOTP	num_objects
TUD-Stadtmitte	87.4%	96.7%	10	80.0%	20.0%	0.0%	3.0%	12.6%	0.3%	1.0%	84.0%	0.289	1156
TUD-Campus	88.9%	78.0%	8	87.5%	12.5%	0.0%	25.1%	11.1%	0.3%	2.2%	63.5%	0.278	359
KITTI-17	88.1%	58.0%	9	88.9%	11.1%	0.0%	63.8%	11.9%	1.2%	2.2%	23.1%	0.229	683
MOT16-11	93.2%	94.6%	69	82.6%	15.9%	1.4%	5.4%	6.8%	0.3%	0.6%	87.5%	0.122	9174
MOT16-09	88.4%	96.9%	25	88.0%	12.0%	0.0%	2.8%	11.6%	0.9%	1.3%	84.6%	0.129	5257
PETS09-S2L1	97.5%	89.5%	19	100.0%	0.0%	0.0%	11.4%	2.5%	0.0%	0.9%	86.0%	0.254	4476
OVERALL	92.3%	91.9%	140	86.4%	12.9%	0.7%	8.1%	7.7%	0.5%	0.9%	83.8%	0.168	21105

	IDF1	IDP	IDR	Rcll	Prcn	GT	MT	PT	ML	FP	FN	IDs	FM	MOTA	MOTP	IDt	IDa	IDm	num_objects
TUD-Stadtmitte	82.4%	86.8%	78.5%	87.4%	96.7%	10	8	2	0	35	146	4	11	84.0%	0.289	2	2	0	1156
TUD-Campus	76.0%	71.4%	81.3%	88.9%	78.0%	8	7	1	0	90	40	1	8	63.5%	0.278	0	1	0	359
KITTI-17	63.0%	52.2%	79.4%	88.1%	58.0%	9	8	1	0	436	81	8	15	23.1%	0.229	1	6	0	683
MOT16-11	78.0%	78.6%	77.4%	93.2%	94.6%	69	57	11	1	491	623	32	55	87.5%	0.122	8	20	2	9174
MOT16-09	67.7%	71.0%	64.7%	88.4%	96.9%	25	22	3	0	149	612	49	70	84.6%	0.129	25	25	4	5257
PETS09-S2L1	87.4%	83.9%	91.3%	97.5%	89.5%	19	19	0	0	510	114	2	40	86.0%	0.254	3	2	3	4476
OVERALL	77.2%	77.0%	77.4%	92.3%	91.9%	140	121	18	1	1711	1616	96	199	83.8%	0.168	39	56	9	21105

```
2025-06-27 12:53:14 | INFO     | __main__:271 - Completed
(.venv) stas@Stas-GT:~/ID-REID/ByteTrack$
```

```
All sequences for track_results_deepsort finished in 0.62 seconds
```

HOTA: track_results_deepsort-pedestrian	HOTA	DetA	AssA	DetRe	DetPr	AssRe	AssPr	LocA	OWTA	HOTA(0)	LocA(0)	HOTALocA(0)
KITTI-17	48.322	42.505	54.975	70.879	46.638	62.657	72.145	80.162	62.398	65.034	75.63	49.185
MOT16-09	61.283	75.185	50.088	79.511	87.19	54.04	79.801	88.628	63.103	69.98	86.665	60.648
MOT16-11	70.386	77.088	64.385	83.967	85.192	68.324	87.855	88.963	73.527	80.987	87.015	70.471
PETS09-S2L1	63.923	64.997	62.942	74.785	68.706	74.773	67.374	78.419	68.576	88.832	73.917	65.662
TUD-Campus	52.838	50.678	55.216	65.577	57.56	62.633	69.951	77.043	60.17	74.855	71.606	53.601
TUD-Stadtmitte	58.255	60.678	56.554	63.868	70.652	63.297	67.848	76.179	60.004	82.741	70.229	58.108
COMBINED	65.519	70.151	61.634	79.072	78.718	67.677	82.529	85.613	69.769	79.609	82.498	65.676

CLEAR: track_results_deepsort-pedestrian	MOTA	MOTP	MODA	CLR_Re	CLR_Pr	MTR	PTR	MLR	sMOTA	CLR_TP	CLR_FN	CLR_FP	IDSW	MT	PT	ML	Frag
KITTI-17	22.548	77.128	23.719	87.848	57.803	88.889	11.111	0	2.4553	600	83	438	8	8	1	0	15
MOT16-09	84.573	87.114	85.524	88.358	96.892	88	12	0	73.187	4645	612	149	50	22	3	0	71
MOT16-11	87.508	87.761	87.857	93.209	94.57	82.609	15.942	1.4493	76.101	8551	623	491	32	57	11	1	55
PETS09-S2L1	86.014	74.559	86.059	97.453	89.532	100	0	0	61.222	4362	114	510	2	19	0	0	42
TUD-Campus	62.953	72.12	63.231	88.579	77.751	87.5	12.5	0	38.256	318	41	91	1	7	1	0	9
TUD-Stadtmitte	83.997	71.116	84.343	87.37	96.651	80	20	0	58.761	1010	146	35	4	8	2	0	11
COMBINED	83.748	83.206	84.208	92.329	91.915	86.429	12.857	0.71429	68.243	19486	1619	1714	97	121	18	1	203

Identity: track_results_deepsort-pedestrian	IDF1	IDR	IDP	IDTP	IDFN	IDFP
KITTI-17	62.987	79.356	52.216	542	141	496
MOT16-09	67.695	64.714	70.964	3402	1855	1392
MOT16-11	77.997	77.436	78.567	7104	2070	1938
PETS09-S2L1	87.42	91.287	83.867	4086	390	786
TUD-Campus	75.781	81.058	71.149	291	68	118
TUD-Stadtmitte	82.417	78.46	86.794	907	249	138
COMBINED	77.211	77.385	77.038	16332	4773	4868

Count: track_results_deepsort-pedestrian	Dets	GT_Dets	IDs	GT_IDs
KITTI-17	1038	683	34	9

```
TrackEval > trackeval > datasets > mot_challenge_2d_box.py          25:32  CRLF  UTF-8  4 spaces  Python 3.
```

YoloX + Motdt

	Rcll	Prcn	GT	MT	PT	ML	FP	FN	IDs	FM	MOTA	MOTP	num_objects
TUD-Stadtmitte	87.5%	96.8%	10	80.0%	20.0%	0.0%	2.9%	12.5%	0.6%	1.2%	84.1%	0.289	1156
TUD-Campus	91.6%	83.3%	8	100.0%	0.0%	0.0%	18.4%	8.4%	0.6%	1.9%	72.7%	0.266	359
KITTI-17	89.2%	62.0%	9	88.9%	11.1%	0.0%	54.6%	10.8%	1.3%	2.5%	33.2%	0.223	683
MOT16-11	92.8%	95.4%	69	78.3%	20.3%	1.4%	4.4%	7.2%	0.2%	0.7%	88.1%	0.121	9174
MOT16-09	87.5%	97.8%	25	84.0%	16.0%	0.0%	2.0%	12.5%	0.9%	1.4%	84.6%	0.122	5257
PETS09-S2L1	97.7%	89.6%	19	100.0%	0.0%	0.0%	11.3%	2.3%	0.2%	1.0%	86.2%	0.255	4476
OVERALL	92.1%	92.9%	140	84.3%	15.0%	0.7%	7.0%	7.9%	0.4%	1.0%	84.6%	0.166	21105

	IDF1	IDP	IDR	Rcll	Prcn	GT	MT	PT	ML	FP	FN	IDs	FM	MOTA	MOTP	IDt	IDa	IDm	num_objects
TUD-Stadtmitte	75.2%	79.2%	71.6%	87.5%	96.8%	10	8	2	0	33	144	7	14	84.1%	0.289	6	2	1	1156
TUD-Campus	78.5%	74.9%	82.5%	91.6%	83.3%	8	8	0	0	66	30	2	7	72.7%	0.266	0	2	0	359
KITTI-17	71.8%	60.9%	87.6%	89.2%	62.0%	9	8	1	0	373	74	9	17	33.2%	0.223	3	4	1	683
MOT16-11	83.9%	85.1%	82.7%	92.8%	95.4%	69	54	14	1	406	664	18	67	88.1%	0.121	9	13	5	9174
MOT16-09	70.4%	74.5%	66.7%	87.5%	97.8%	25	21	4	0	104	655	48	72	84.6%	0.122	18	23	4	5257
PETS09-S2L1	80.2%	76.9%	83.8%	97.7%	89.6%	19	19	0	0	505	104	7	43	86.2%	0.255	2	6	2	4476
OVERALL	78.9%	79.2%	78.5%	92.1%	92.9%	140	118	21	1	1487	1671	91	220	84.6%	0.166	38	50	13	21105

```
2025-06-27 13:19:22 | INFO     | __main__:271 - Completed
(.venv) stas@Stas-GT:~/ID-REID/ByteTrack$
```

```
18 eval_sequence(TUD-Stadtmitte, track_results_motdt)                0.0387 sec

All sequences for track_results_motdt finished in 0.61 seconds
```

HOTA: track_results_motdt-pedestrian	HOTA	DetA	AssA	DetRe	DetPr	AssRe	AssPr	LocA	OWTA	HOTA(0)	LocA(0)	HOTALocA(0)
KITTI-17	53.393	46.108	61.844	72.444	50.386	71.545	70.719	80.423	66.9	72.256	75.765	54.745
MOT16-09	63.527	74.485	54.247	78.45	87.635	62.574	79.002	88.782	65.23	72.964	86.992	63.473
MOT16-11	74.522	77.674	71.603	83.761	86.185	77.296	85.561	89.103	77.443	85.501	87.305	74.647
PETS09-S2L1	60.927	65.066	57.169	74.881	68.724	70.029	66.722	78.389	65.406	84.165	73.925	62.219
TUD-Campus	55.832	56.903	54.895	69.301	62.985	62.407	69.455	77.692	61.674	78.157	72.371	56.563
TUD-Stadtmitte	52.376	60.194	45.708	63.577	70.33	55.45	57.725	75.598	53.89	76.05	69.71	53.015
COMBINED	67.172	70.552	64.452	78.837	79.531	72.912	80.555	85.689	71.234	81.169	82.65	67.086

CLEAR: track_results_motdt-pedestrian	MOTA	MOTP	MODA	CLR_Re	CLR_Pr	MTR	PTR	MLR	sMOTA	CLR_TP	CLR_FN	CLR_FP	IDSW	MT	PT	ML	Frag
KITTI-17	33.236	77.693	34.553	89.165	62.016	88.889	11.111	0	13.346	609	74	373	9	8	1	0	17
MOT16-09	85.543	87.656	86.475	87.997	98.3	84	16	0	74.681	4626	631	80	49	21	4	0	73
MOT16-11	88.14	87.931	88.337	92.762	95.446	78.261	20.29	1.4493	76.945	8510	664	406	18	54	14	1	67
PETS09-S2L1	86.238	74.506	86.394	97.676	89.645	100	0	0	61.336	4372	104	505	7	19	0	0	45
TUD-Campus	72.145	73.335	72.702	91.365	83.838	100	0	0	47.782	328	31	67	2	8	0	0	8
TUD-Stadtmitte	84.083	71.176	84.689	87.543	96.842	80	20	0	58.85	1012	144	33	7	8	2	0	12
COMBINED	84.819	83.411	85.255	92.191	93.002	84.286	15	0.71429	69.525	19457	1648	1464	92	118	21	1	222

Identity: track_results_motdt-pedestrian	IDF1	IDR	IDP	IDTP	IDFN	IDFP
KITTI-17	71.832	87.555	60.896	598	85	384
MOT16-09	70.421	66.73	74.543	3508	1749	1198
MOT16-11	83.925	82.745	85.139	7591	1583	1325
PETS09-S2L1	80.231	83.825	76.933	3752	724	1125
TUD-Campus	78.249	82.173	74.684	295	64	100
TUD-Stadtmitte	75.239	71.626	79.234	828	328	217
COMBINED	78.865	78.522	79.212	16572	4533	4349