

Experiments (repeat) (descending MCC order)	MCC	F1-Score		Experiments (historic) (descending MCC order)	MCC	F1-Score	
		Forest	N-forest			Forest	N-forest
HLBP, K=40, R=2, ALL	0.7028	0.8801	0.8185	HOG, K=40, B=9, C-N, I	0.6364	0.8398	0.7953
HLBP, K=40, R=1, ALL	0.6919	0.8783	0.8113	HOG, K=32, B=18, C-N, I	0.6344	0.8381	0.7945
HLBP, K=40, R=1, U2	0.6901	0.8735	0.8113	HOG, K=40, B=9, H-N, I	0.6339	0.8403	0.7929
HLBP, K=40, R=2, U2	0.6891	0.8719	0.8108	HOG, K=32, B=18, H-N, I	0.6270	0.8376	0.7886
HLBP, K=32, R=2, ALL	0.6850	0.8734	0.8080	HOG, K=32, B=9, C-N, I	0.6262	0.8368	0.7886
HLBP, K=32, R=1, ALL	0.6784	0.8724	0.8035	HOG, K=40, B=18, C-N, I	0.6247	0.8320	0.7901
HLBP, K=32, R=1, U2	0.6736	0.8673	0.8016	HOG, K=40, B=9, C-N, N-I	0.6245	0.8351	0.7883
HOG, K=40, B=9, C-N, I	0.6670	0.8694	0.7958	HOG, K=40, B=18, H-N, I	0.6184	0.8310	0.7858
HOG, K=40, B=18, C-N, I	0.6645	0.8665	0.7952	HOG, K=40, B=18, C-N, N-I	0.6180	0.8260	0.7877
HOG, K=32, B=18, C-N, I	0.6623	0.8638	0.7945	HOG, K=32, B=9, H-N, I	0.6168	0.8328	0.7832
HLBP, K=32, R=2, U2	0.6602	0.8591	0.7941	HOG, K=24, B=18, C-N, I	0.6154	0.8303	0.7837
HOG, K=40, B=9, H-N, I	0.6598	0.8665	0.7915	HOG, K=24, B=9, C-N, I	0.6076	0.8293	0.7777
HOG, K=40, B=18, H-N, I	0.6576	0.8623	0.7915	HOG, K=24, B=18, H-N, I	0.6059	0.8288	0.7766
HOG, K=32, B=9, C-N, I	0.6569	0.8635	0.7907	HOG, K=40, B=9, H-N, N-I	0.6045	0.8259	0.7773
HOG, K=40, B=18, C-N, N-I	0.6553	0.8601	0.7905	HOG, K=24, B=9, H-N, I	0.6024	0.8292	0.7731
HOG, K=40, B=9, C-N, N-I	0.6531	0.8613	0.7885	HOG, K=32, B=9, C-N, N-I	0.6017	0.8269	0.7742
HOG, K=32, B=9, H-N, I	0.6512	0.8613	0.7872	HOG, K=32, B=18, C-N, N-I	0.5979	0.8189	0.7757
HOG, K=24, B=18, C-N, I	0.6502	0.8580	0.7878	HOG, K=40, B=18, H-N, N-I	0.5979	0.8178	0.7764
HOG, K=32, B=18, H-N, I	0.6492	0.8588	0.7866	HOG, K=32, B=9, H-N, N-I	0.5922	0.8246	0.7673
HOG, K=32, B=18, C-N, N-I	0.6484	0.8567	0.7867	HOG, K=32, B=18, H-N, N-I	0.5848	0.8166	0.7666
HLBP, K=24, R=2, ALL	0.6484	0.8567	0.7869	HOG, K=24, B=9, C-N, N-I	0.5743	0.8175	0.7567
HLBP, K=24, R=1, ALL	0.6461	0.8580	0.7848	HOG, K=24, B=18, C-N, N-I	0.5662	0.8060	0.7577
HOG, K=40, B=18, H-N, N-I	0.6451	0.8547	0.7848	HOG, K=24, B=9, H-N, N-I	0.5655	0.8137	0.7518
HOG, K=24, B=9, C-N, I	0.6437	0.8567	0.7834	HOG, K=24, B=18, H-N, N-I	0.5543	0.8028	0.7499
HLBP, K=24, R=1, U2	0.6431	0.8529	0.7842	HLBP, K=32, R=2, ALL	0.4733	0.7076	0.7207
HOG, K=32, B=9, C-N, N-I	0.6428	0.8557	0.7830	HLBP, K=40, R=2, ALL	0.4628	0.6831	0.7164
HOG, K=24, B=18, H-N, I	0.6416	0.8545	0.7826	HLBP, K=40, R=1, ALL	0.4578	0.6928	0.7141
HOG, K=40, B=9, H-N, N-I	0.6397	0.8550	0.7808	HLBP, K=24, R=2, U2	0.4514	0.7043	0.7101
HOG, K=32, B=18, H-N, N-I	0.6367	0.8512	0.7799	HLBP, K=24, R=2, ALL	0.4434	0.6976	0.7066
HOG, K=24, B=9, H-N, I	0.6366	0.8550	0.7788	HLBP, K=32, R=1, ALL	0.4409	0.6858	0.7060
HOG, K=32, B=9, H-N, N-I	0.6312	0.8515	0.7758	HLBP, K=40, R=2, U2	0.4277	0.6531	0.7009
HLBP, K=24, R=2, U2	0.6305	0.8469	0.7770	HLBP, K=32, R=2, U2	0.4151	0.6538	0.6952
HOG, K=24, B=18, C-N, N-I	0.6260	0.8470	0.7737	HLBP, K=24, R=1, U2	0.4016	0.6636	0.6884
HOG, K=24, B=9, C-N, N-I	0.6205	0.8468	0.7698	HLBP, K=40, R=1, U2	0.3929	0.6052	0.6869
HOG, K=24, B=18, H-N, N-I	0.6134	0.8410	0.7665	HLBP, K=24, R=1, ALL	0.3890	0.6522	0.6831
HOG, K=24, B=9, H-N, N-I	0.6065	0.8399	0.7619	HLBP, K=32, R=1, U2	0.3791	0.6039	0.6809
HLBP, K=40, R=1, RIU2	0.2937	0.6979	0.5842	HLBP, K=40, R=1, RIU2	0.0900	0.4273	0.5683
HLBP, K=40, R=2, RIU2	0.2701	0.6884	0.5703	HLBP, K=32, R=1, RIU2	0.0846	0.4389	0.5623
HLBP, K=32, R=1, RIU2	0.2422	0.6640	0.5608	HLBP, K=24, R=1, RIU2	0.0621	0.4264	0.5540
HLBP, K=32, R=2, RIU2	0.2127	0.6520	0.5440	HLBP, K=40, R=2, RIU2	0.0501	0.3622	0.5627
HLBP, K=24, R=1, RIU2	0.1852	0.6285	0.5345	HLBP, K=32, R=2, RIU2	0.0331	0.3557	0.5563
HLBP, K=24, R=2, RIU2	0.1402	0.5903	0.5180	HLBP, K=24, R=2, RIU2	0.0223	0.3608	0.5506

Notation

HLBP: Histogram of Local Binary Patterns

HOG: Histogram of Oriented Gradients

K: Block size

R: LBP radius

ALL: All patterns

U2: Uniform-2 patterns

RIU2: Rotation-invariant Uniform-2 patterns

B: Number of bins

H-N: Histogram normalization

C-N: Cell normalization

I: Interpolation

N-I: No interpolation