

UFP, threshold 40K (binary)			High				Low		
Classifier	Attributes	AUC	Weighted F-	Precision	Recall	F-measure	Precision	Recall	F-measure
Simple Naive Bayes (NaiveBayesSimple)	All	0.703	0.684	0.728	0.824	0.773	0.61	0.47	0.532
	Weather	0.693	0.693	0.803	0.67	0.731	0.559	0.72	0.628
	Traffic	0.53	0.586	0.662	0.989	0.793	0.875	0.13	0.23
Bayesian Network (BayesNet)	All	0.371	0.444	0.595	0.857	0.703	0	0	0
	Weather	0.307	0.448	0.598	0.868	0.709	0	0	0
	Traffic	0.131	0.486	0.629	0.989	0.769	0	0	0
SMO (SVM with linear kernel)	All	0.482	0.487	0.623	0.945	0.751	0.167	0.02	0.034
	Weather	0.456	0.462	0.61	0.912	0.731	0	0	0
	Traffic	0.5	0.489	0.632	1	0.774	0	0	0
SMO (SVM with poly kernel, exp=2)	All	0.554	0.596	0.664	0.824	0.735	0.484	0.28	0.357
	Weather	0.544	0.587	0.658	0.824	0.732	0.467	0.26	0.337
	Traffic	0.5	0.489	0.632	1	0.774	0	0	0
SMO (SVM with poly kernel, exp=3)	All	0.595	0.636	0.692	0.813	0.747	0.541	0.38	0.444
	Weather	0.554	0.596	0.664	0.824	0.735	0.484	0.28	0.357
	Traffic	0.596	0.639	0.686	0.89	0.775	0.615	0.3	0.405
SMO (SVM with poly kernel, exp=5)	All	0.615	0.648	0.711	0.758	0.734	0.532	0.47	0.5
	Weather	0.643	0.672	0.734	0.758	0.746	0.56	0.53	0.544
	Traffic	0.607	0.65	0.692	0.912	0.787	0.667	0.3	0.416
SMO (SVM with poly kernel, exp=8)	All	0.598	0.63	0.702	0.725	0.714	0.5	0.47	0.485
	Weather	0.647	0.673	0.739	0.747	0.743	0.558	0.55	0.552
	Traffic	0.564	0.604	0.667	0.901	0.766	0.571	0.23	0.324

SMO (SVM with poly kernel, exp=10), computation becomes exponentially slow from exp = 1 to 10	All	0.505	0.543	0.635	0.67	0.652	0.375	0.34	0.356
	Weather	0.646	0.668	0.742	0.725	0.733	0.545	0.57	0.556
	Traffic	0.558	0.598	0.664	0.89	0.761	0.545	0.23	0.32
SMO (SVM with RBF kernel, gamma=0.01)	All	0.5	0.489	0.632	1	0.774	0	0	0
	Weather	0.5	0.489	0.632	1	0.774	0	0	0
	Traffic	0.5	0.489	0.632	1	0.774	0	0	0
SMO (SVM with RBF kernel, gamma=0.1)	All	0.5	0.489	0.632	1	0.774	0	0	0
	Weather	0.5	0.489	0.632	1	0.774	0	0	0
	Traffic	0.5	0.489	0.632	1	0.774	0	0	0
SMO (SVM with RBF kernel, gamma=1)	All	0.648	0.684	0.728	0.824	0.773	0.61	0.47	0.532
	Weather	0.62	0.659	0.708	0.824	0.761	0.579	0.42	0.484
	Traffic	0.48	0.494	0.622	0.923	0.743	0.222	0.04	0.065
SMO (SVM with RBF kernel, gamma=10)	All	0.58	0.621	0.682	0.802	0.737	0.514	0.36	0.422
	Weather	0.631	0.666	0.72	0.791	0.754	0.568	0.47	0.515
	Traffic	0.675	0.704	0.753	0.802	0.777	0.617	0.55	0.58
SMO (SVM with RBF kernel, gamma=50)	All	0.541	0.576	0.654	0.912	0.761	0.529	0.17	0.257
	Weather	0.569	0.611	0.673	0.835	0.745	0.516	0.3	0.381
	Traffic	0.625	0.665	0.71	0.835	0.768	0.595	0.42	0.489
SMO (SVM with RBF kernel, gamma=100)	All	0.51	0.528	0.637	0.945	0.761	0.444	0.08	0.129
	Weather	0.592	0.635	0.683	0.901	0.777	0.625	0.28	0.39
	Traffic	0.559	0.602	0.667	0.835	0.741	0.5	0.28	0.361
Neural network (MultilayerPerceptron)	All	0.679	0.618	0.687	0.747	0.716	0.489	0.42	0.449
	Weather	0.644	0.623	0.699	0.714	0.707	0.49	0.47	0.481

	Traffic	0.738	0.726	0.771	0.813	0.791	0.646	0.59	0.614
RBF Network (RBFNetwork)	All	0.711	0.692	0.747	0.78	0.763	0.592	0.55	0.569
	Weather	0.655	0.631	0.707	0.714	0.71	0.5	0.49	0.495
	Traffic	0.71	0.698	0.722	0.912	0.806	0.724	0.4	0.512
K-nearest neighbor (IBk; K calculated between 1 and 20 worse results) using CV on training set; distance weighting gave much	All	0.665	0.663	0.744	0.703	0.723	0.534	0.59	0.559
	Weather	0.599	0.552	0.651	0.615	0.633	0.397	0.43	0.414
	Traffic	0.61	0.555	0.643	0.692	0.667	0.391	0.34	0.364
RIPPER (JRip)	All	0.569	0.629	0.693	0.769	0.729	0.512	0.42	0.458
	Weather	0.524	0.626	0.694	0.747	0.72	0.5	0.43	0.465
	Traffic	0.583	0.621	0.686	0.769	0.725	0.5	0.4	0.442
Decision Tree (J48)	All	0.619	0.462	0.582	0.703	0.637	0.206	0.13	0.161
	Weather	0.573	0.662	0.706	0.846	0.77	0.6	0.4	0.477
	Traffic	0.652	0.64	0.719	0.703	0.711	0.509	0.53	0.519
Decision Tree (ADTree)	All	0.71	0.623	0.699	0.714	0.707	0.49	0.47	0.481
	Weather	0.745	0.632	0.697	0.758	0.726	0.511	0.43	0.469
	Traffic	0.658	0.566	0.653	0.681	0.667	0.408	0.38	0.392
Random forest (RandomForest; #trees=10)	All	0.692	0.628	0.713	0.681	0.697	0.491	0.53	0.509
	Weather	0.723	0.676	0.756	0.714	0.734	0.552	0.6	0.577
	Traffic	0.704	0.702	0.767	0.758	0.762	0.593	0.6	0.598
Random forest (RandomForest; #trees=30)	All	0.711	0.664	0.726	0.758	0.742	0.551	0.51	0.529
	Weather	0.736	0.651	0.72	0.736	0.728	0.529	0.51	0.519
	Traffic	0.724	0.692	0.747	0.78	0.763	0.592	0.55	0.569

Random forest (RandomForest; #trees=50)	All	0.716	0.623	0.699	0.714	0.707	0.49	0.47	0.481
	Weather	0.742	0.667	0.736	0.736	0.736	0.547	0.55	0.547
	Traffic	0.725	0.693	0.753	0.769	0.761	0.588	0.57	0.577
Random forest (RandomForest; #trees=70)	All	0.724	0.631	0.707	0.714	0.71	0.5	0.49	0.495
	Weather	0.743	0.667	0.736	0.736	0.736	0.547	0.55	0.547
	Traffic	0.736	0.699	0.755	0.78	0.768	0.6	0.57	0.583
Random forest (RandomForest; #trees=100)	All	0.724	0.623	0.699	0.714	0.707	0.49	0.47	0.481
	Weather	0.742	0.685	0.745	0.769	0.757	0.58	0.55	0.563
	Traffic	0.736	0.692	0.747	0.78	0.763	0.592	0.55	0.569
Random forest (RandomForest; #trees=120)	All	0.728	0.617	0.696	0.703	0.699	0.481	0.47	0.476
	Weather	0.74	0.679	0.742	0.758	0.75	0.569	0.55	0.558
	Traffic	0.734	0.694	0.758	0.758	0.758	0.585	0.59	0.585

UFP, threshold 46529 (binary)			High				Low		
Classifier	Attributes	AUC	Weighted F-	Precision	Recall	F-measure	Precision	Recall	F-measure
Simple Naive Bayes (NaiveBayesSimple)	All	0.79	0.75	0.743	0.764	0.753	0.757	0.736	0.746
	Weather	0.773	0.729	0.746	0.694	0.719	0.714	0.764	0.738
	Traffic	0.662	0.509	0.547	0.972	0.7	0.875	0.194	0.318
Bayesian Network (BayesNet)	All	0.735	0.638	0.652	0.597	0.623	0.628	0.681	0.653
	Weather	0.694	0.681	0.681	0.681	0.681	0.681	0.681	0.681
	Traffic	0.491	0.437	0.438	0.444	0.441	0.437	0.431	0.434
SMO (SVM with linear kernel)	All	0.722	0.722	0.742	0.681	0.71	0.705	0.764	0.733
	Weather	0.708	0.708	0.727	0.667	0.696	0.692	0.75	0.72
	Traffic	0.681	0.68	0.686	0.667	0.676	0.676	0.694	0.685
SMO (SVM with poly kernel, exp=2)	All	0.736	0.736	0.724	0.764	0.743	0.75	0.708	0.729
	Weather	0.715	0.715	0.701	0.75	0.725	0.731	0.681	0.705
	Traffic	0.715	0.714	0.687	0.792	0.735	0.754	0.639	0.692
SMO (SVM with poly kernel, exp=3)	All	0.667	0.666	0.65	0.722	0.684	0.688	0.611	0.647
	Weather	0.674	0.672	0.651	0.75	0.697	0.705	0.597	0.647
	Traffic	0.722	0.721	0.695	0.792	0.74	0.758	0.653	0.701
SMO (SVM with poly kernel, exp=5)	All	0.688	0.686	0.663	0.764	0.71	0.721	0.611	0.662
	Weather	0.708	0.707	0.688	0.764	0.724	0.734	0.653	0.691
	Traffic	0.743	0.743	0.727	0.778	0.752	0.761	0.708	0.734
SMO (SVM with poly kernel, exp=8)	All	0.674	0.673	0.658	0.722	0.689	0.692	0.625	0.657
	Weather	0.715	0.715	0.701	0.75	0.725	0.731	0.681	0.705
	Traffic	0.743	0.742	0.722	0.792	0.755	0.769	0.694	0.73

SMO (SVM with poly kernel, exp=10), becomes exponentially slow from exp = 1 to 10	All	0.653	0.652	0.638	0.708	0.671	0.672	0.597	0.632
	Weather	0.674	0.673	0.662	0.708	0.685	0.687	0.639	0.662
	Traffic	0.722	0.72	0.69	0.806	0.744	0.767	0.639	0.697
SMO (SVM with RBF kernel, gamma=0.01)	All	0.035	0.035	0.041	0.042	0.041	0.028	0.028	0.028
	Weather	0.014	0.014	0	0	0	0.027	0.028	0.027
	Traffic	0.014	0.014	0.027	0.028	0.027	0	0	0
SMO (SVM with RBF kernel, gamma=0.1)	All	0.715	0.715	0.725	0.694	0.709	0.707	0.736	0.721
	Weather	0.722	0.722	0.735	0.694	0.714	0.711	0.75	0.73
	Traffic	0.66	0.66	0.658	0.667	0.662	0.662	0.653	0.657
SMO (SVM with RBF kernel, gamma=1)	All	0.729	0.729	0.72	0.75	0.735	0.739	0.708	0.723
	Weather	0.715	0.715	0.701	0.75	0.725	0.731	0.681	0.705
	Traffic	0.722	0.721	0.695	0.792	0.74	0.758	0.653	0.701
SMO (SVM with RBF kernel, gamma=10)	All	0.75	0.75	0.737	0.778	0.757	0.765	0.722	0.743
	Weather	0.729	0.729	0.72	0.75	0.735	0.739	0.708	0.723
	Traffic	0.785	0.784	0.815	0.736	0.774	0.759	0.833	0.795
SMO (SVM with RBF kernel, gamma=50)	All	0.667	0.664	0.643	0.75	0.692	0.7	0.583	0.636
	Weather	0.736	0.736	0.73	0.75	0.74	0.743	0.722	0.732
	Traffic	0.771	0.77	0.8	0.722	0.759	0.747	0.819	0.781
SMO (SVM with RBF kernel, gamma=100)	All	0.604	0.603	0.593	0.667	0.627	0.619	0.542	0.578
	Weather	0.694	0.693	0.671	0.764	0.714	0.726	0.625	0.672
	Traffic	0.743	0.742	0.769	0.694	0.73	0.722	0.792	0.755
Neural network (MultilayerPerceptron)	All	0.749	0.66	0.658	0.667	0.662	0.662	0.653	0.657
	Weather	0.78	0.715	0.725	0.694	0.709	0.707	0.736	0.721

	Traffic	0.77	0.77	0.8	0.722	0.759	0.747	0.819	0.781
RBF Network (RBFNetwork)	All	0.795	0.75	0.743	0.764	0.753	0.757	0.736	0.746
	Weather	0.716	0.67	0.719	0.569	0.636	0.644	0.778	0.704
	Traffic	0.72	0.661	0.633	0.792	0.704	0.722	0.542	0.619
K-nearest neighbor (IBk; K calculated between worse results)1 and 20 using CV on training set; distance weighting gave much	All	0.76	0.712	0.772	0.611	0.682	0.678	0.819	0.742
	Weather	0.758	0.722	0.735	0.694	0.714	0.711	0.75	0.73
	Traffic	0.77	0.708	0.708	0.708	0.708	0.708	0.708	0.708
RIPPER (JRip)	All	0.736	0.653	0.662	0.625	0.643	0.645	0.681	0.662
	Weather	0.768	0.701	0.704	0.694	0.699	0.699	0.708	0.703
	Traffic	0.664	0.708	0.692	0.75	0.72	0.727	0.667	0.696
Decision Tree (J48)	All	0.732	0.693	0.675	0.75	0.711	0.719	0.639	0.676
	Weather	0.724	0.617	0.635	0.556	0.593	0.605	0.681	0.641
	Traffic	0.736	0.742	0.769	0.694	0.73	0.722	0.792	0.755
Decision Tree (ADTree)	All	0.803	0.693	0.675	0.75	0.711	0.719	0.639	0.676
	Weather	0.839	0.736	0.718	0.778	0.747	0.758	0.694	0.725
	Traffic	0.685	0.632	0.627	0.653	0.639	0.638	0.611	0.624
Random forest (RandomForest; #trees=10)	All	0.844	0.743	0.754	0.722	0.738	0.733	0.764	0.748
	Weather	0.818	0.743	0.761	0.708	0.734	0.727	0.778	0.752
	Traffic	0.739	0.708	0.721	0.681	0.7	0.697	0.736	0.716
Random forest (RandomForest; #trees=30)	All	0.842	0.743	0.754	0.722	0.738	0.733	0.764	0.748
	Weather	0.844	0.764	0.779	0.736	0.757	0.75	0.792	0.77
	Traffic	0.777	0.743	0.761	0.708	0.734	0.727	0.778	0.752

Random forest (RandomForest; #trees=50)	All	0.844	0.743	0.754	0.722	0.738	0.733	0.764	0.748
	Weather	0.843	0.764	0.771	0.75	0.761	0.757	0.778	0.767
	Traffic	0.775	0.736	0.736	0.736	0.736	0.736	0.736	0.736
Random forest (RandomForest; #trees=70)	All	0.845	0.729	0.746	0.694	0.719	0.714	0.764	0.738
	Weather	0.847	0.771	0.775	0.764	0.769	0.767	0.778	0.772
	Traffic	0.778	0.736	0.736	0.736	0.736	0.736	0.736	0.736
Random forest (RandomForest; #trees=100)	All	0.847	0.743	0.754	0.722	0.738	0.733	0.764	0.748
	Weather	0.846	0.75	0.75	0.75	0.75	0.75	0.75	0.75
	Traffic	0.775	0.736	0.743	0.722	0.732	0.73	0.75	0.74
Random forest (RandomForest; #trees=120)	All	0.849	0.75	0.757	0.736	0.746	0.743	0.764	0.753
	Weather	0.846	0.743	0.746	0.736	0.741	0.74	0.75	0.745
	Traffic	0.777	0.729	0.739	0.708	0.723	0.72	0.75	0.735

UFP, threshold 50K (binary)		High					Low		
Classifier	Attributes	AUC	Weighted F	Precision	Recall	F-measure	Precision	Recall	F-measure
Simple Naive Bayes (NaiveBayesSimple)	All	0.77	0.722	0.684	0.765	0.722	0.765	0.68	0.722
	Weather	0.754	0.708	0.691	0.691	0.691	0.724	0.72	0.724
	Traffic	0.679	0.512	0.525	0.941	0.674	0.818	0.24	0.367
Bayesian Network (BayesNet)	All	0.611	0.653	0.622	0.676	0.648	0.686	0.63	0.658
	Weather	0.491	0.597	0.574	0.574	0.574	0.618	0.62	0.618
	Traffic	0.619	0.625	0.58	0.853	0.69	0.773	0.45	0.567
SMO (SVM with linear kernel)	All	0.699	0.7	0.698	0.647	0.672	0.704	0.75	0.726
	Weather	0.705	0.707	0.71	0.647	0.677	0.707	0.76	0.734
	Traffic	0.685	0.687	0.683	0.632	0.656	0.691	0.74	0.713
SMO (SVM with poly kernel, exp=2)	All	0.71	0.709	0.676	0.735	0.704	0.743	0.68	0.712
	Weather	0.702	0.702	0.671	0.721	0.695	0.732	0.68	0.707
	Traffic	0.702	0.702	0.676	0.706	0.691	0.726	0.7	0.711
SMO (SVM with poly kernel, exp=3)	All	0.692	0.687	0.642	0.765	0.698	0.746	0.62	0.676
	Weather	0.684	0.68	0.638	0.75	0.689	0.734	0.62	0.671
	Traffic	0.717	0.715	0.68	0.75	0.713	0.754	0.68	0.717
SMO (SVM with poly kernel, exp=5)	All	0.626	0.625	0.595	0.647	0.62	0.657	0.61	0.63
	Weather	0.676	0.673	0.636	0.721	0.676	0.716	0.63	0.671
	Traffic	0.732	0.729	0.688	0.779	0.731	0.776	0.68	0.727
SMO (SVM with poly kernel, exp=8)	All	0.619	0.618	0.589	0.632	0.61	0.648	0.61	0.626
	Weather	0.681	0.681	0.653	0.691	0.671	0.708	0.67	0.689
	Traffic	0.733	0.729	0.684	0.794	0.735	0.785	0.67	0.723

SMO (SVM with poly kernel, exp=10), computation becomes exponentially slow from exp = 1 to 10	All	0.583	0.584	0.557	0.574	0.565	0.608	0.59	0.6
	Weather	0.611	0.611	0.583	0.618	0.6	0.639	0.61	0.622
	Traffic	0.713	0.707	0.659	0.794	0.72	0.774	0.63	0.696
SMO (SVM with RBF kernel, gamma=0.01)	All	0.5	0.365	0	0	0	0.528	1	0.691
	Weather	0.5	0.489	0.632	1	0.774	0	0	0
	Traffic	0.5	0.365	0	0	0	0.528	1	0.691
SMO (SVM with RBF kernel, gamma=0.1)	All	0.721	0.722	0.712	0.691	0.701	0.731	0.75	0.74
	Weather	0.707	0.708	0.697	0.676	0.687	0.718	0.74	0.727
	Traffic	0.649	0.651	0.65	0.574	0.609	0.655	0.72	0.688
SMO (SVM with RBF kernel, gamma=1)	All	0.717	0.715	0.68	0.75	0.713	0.754	0.68	0.717
	Weather	0.703	0.701	0.667	0.735	0.699	0.739	0.67	0.703
	Traffic	0.71	0.709	0.676	0.735	0.704	0.743	0.68	0.712
SMO (SVM with RBF kernel, gamma=10)	All	0.707	0.708	0.697	0.676	0.687	0.718	0.74	0.727
	Weather	0.688	0.688	0.658	0.706	0.681	0.718	0.67	0.694
	Traffic	0.783	0.784	0.785	0.75	0.767	0.785	0.82	0.8
SMO (SVM with RBF kernel, gamma=50)	All	0.646	0.647	0.667	0.529	0.59	0.644	0.76	0.699
	Weather	0.657	0.659	0.651	0.603	0.626	0.667	0.71	0.688
	Traffic	0.762	0.763	0.766	0.721	0.742	0.763	0.8	0.782
SMO (SVM with RBF kernel, gamma=100)	All	0.606	0.6	0.659	0.397	0.495	0.602	0.82	0.693
	Weather	0.654	0.655	0.673	0.544	0.602	0.652	0.76	0.703
	Traffic	0.74	0.742	0.746	0.691	0.718	0.741	0.79	0.764
Neural network (MultilayerPerceptron)	All	0.698	0.646	0.62	0.647	0.633	0.671	0.65	0.658
	Weather	0.756	0.66	0.638	0.647	0.642	0.68	0.67	0.675

	Traffic	0.761	0.756	0.762	0.706	0.733	0.753	0.8	0.777
RBF Network (RBFNetwork)	All	0.759	0.736	0.703	0.765	0.732	0.771	0.71	0.74
	Weather	0.717	0.665	0.667	0.588	0.625	0.667	0.74	0.7
	Traffic	0.735	0.604	0.582	0.574	0.578	0.623	0.63	0.627
K-nearest neighbor (1Bk; K calculated between 1 and 20 worse results) using CV on training set; distance weighting gave much	All	0.734	0.722	0.706	0.706	0.706	0.737	0.74	0.737
	Weather	0.731	0.687	0.683	0.632	0.656	0.691	0.74	0.713
	Traffic	0.775	0.743	0.707	0.779	0.741	0.783	0.71	0.745
RIPPER (JRip)	All	0.651	0.702	0.676	0.706	0.691	0.726	0.7	0.711
	Weather	0.711	0.701	0.658	0.765	0.707	0.754	0.65	0.695
	Traffic	0.662	0.708	0.697	0.676	0.687	0.718	0.74	0.727
Decision Tree (J48)	All	0.688	0.698	0.644	0.824	0.723	0.789	0.59	0.677
	Weather	0.643	0.666	0.652	0.632	0.642	0.679	0.7	0.688
	Traffic	0.68	0.743	0.718	0.75	0.734	0.767	0.74	0.752
Decision Tree (ADTree)	All	0.768	0.687	0.672	0.662	0.667	0.701	0.71	0.706
	Weather	0.779	0.743	0.701	0.794	0.745	0.791	0.7	0.741
	Traffic	0.705	0.695	0.667	0.706	0.686	0.722	0.68	0.703
Random forest (RandomForest; #trees=10)	All	0.787	0.769	0.797	0.691	0.74	0.753	0.84	0.795
	Weather	0.769	0.728	0.73	0.676	0.702	0.728	0.78	0.752
	Traffic	0.776	0.722	0.712	0.691	0.701	0.731	0.75	0.74
Random forest (RandomForest; #trees=30)	All	0.803	0.757	0.754	0.721	0.737	0.759	0.79	0.774
	Weather	0.774	0.729	0.716	0.706	0.711	0.74	0.75	0.745
	Traffic	0.788	0.694	0.676	0.676	0.676	0.711	0.71	0.711

Random forest (RandomForest; #trees=50)	All	0.802	0.757	0.754	0.721	0.737	0.759	0.79	0.774
	Weather	0.778	0.715	0.701	0.691	0.696	0.727	0.74	0.732
	Traffic	0.782	0.715	0.69	0.721	0.705	0.74	0.71	0.725
Random forest (RandomForest; #trees=70)	All	0.803	0.743	0.731	0.721	0.726	0.753	0.76	0.758
	Weather	0.778	0.708	0.697	0.676	0.687	0.718	0.74	0.727
	Traffic	0.78	0.709	0.681	0.721	0.7	0.736	0.7	0.716
Random forest (RandomForest; #trees=100)	All	0.809	0.736	0.721	0.721	0.721	0.75	0.75	0.75
	Weather	0.779	0.722	0.712	0.691	0.701	0.731	0.75	0.74
	Traffic	0.786	0.715	0.69	0.721	0.705	0.74	0.71	0.725
Random forest (RandomForest; #trees=120)	All	0.811	0.736	0.721	0.721	0.721	0.75	0.75	0.75
	Weather	0.779	0.715	0.701	0.691	0.696	0.727	0.74	0.732
	Traffic	0.786	0.715	0.69	0.721	0.705	0.74	0.71	0.725

UFP, threshold 40k, 50k (ternary)			High				Medium			Low		
Classifier	Attributes	AUC	Weighted F	Precision	Recall	F-measure	Precision	Recall	F-measure	Precision	Recall	F-measure
Simple Naive Bayes (NaiveBayesSimple)	All	0.664	0.475	0.697	0.78	0.736	0.119	0.22	0.154	0.423	0.208	0.278
	Weather	0.635	0.553	0.7	0.72	0.71	0	0	0	0.514	0.698	0.592
	Traffic	0.52	0.435	0.533	0.96	0.684	0.1	0.04	0.061	0.75	0.17	0.277
Bayesian Network (BayesNet)	All	0.421	0.525	0.581	0.9	0.705	0	0	0	0.615	0.453	0.522
	Weather	0.426	0.525	0.575	0.9	0.701	0	0	0	0.632	0.453	0.527
	Traffic	0.033	0.304	0.476	1	0.645	0	0	0	0	0	0
SMO (SVM with linear kernel)	All	0.642	0.536	0.667	0.71	0.686	0	0	0	0.5	0.679	0.576
	Weather	0.651	0.549	0.69	0.72	0.705	0	0	0	0.507	0.698	0.587
	Traffic	0.616	0.534	0.64	0.84	0.726	0	0	0	0.509	0.528	0.519
SMO (SVM with poly kernel, exp=2)	All	0.695	0.57	0.655	0.81	0.724	0	0	0	0.583	0.66	0.619
	Weather	0.674	0.562	0.651	0.82	0.727	0	0	0	0.569	0.623	0.595
	Traffic	0.641	0.523	0.586	0.85	0.695	0	0	0	0.578	0.491	0.531
SMO (SVM with poly kernel, exp=3)	All	0.683	0.547	0.632	0.81	0.71	0.125	0.04	0.065	0.571	0.528	0.549
	Weather	0.699	0.542	0.615	0.82	0.704	0	0	0	0.592	0.547	0.569
	Traffic	0.646	0.523	0.58	0.85	0.69	0	0	0	0.591	0.491	0.536
SMO (SVM with poly kernel, exp=5)	All	0.703	0.543	0.648	0.68	0.662	0.2	0.22	0.208	0.563	0.509	0.535
	Weather	0.707	0.565	0.646	0.78	0.707	0.333	0.13	0.188	0.547	0.547	0.547
	Traffic	0.682	0.55	0.594	0.88	0.71	0	0	0	0.651	0.528	0.583
SMO (SVM with poly kernel, exp=8)	All	0.59	0.466	0.6	0.62	0.609	0.192	0.22	0.204	0.417	0.377	0.396
	Weather	0.743	0.556	0.688	0.65	0.667	0.227	0.22	0.222	0.534	0.585	0.559
	Traffic	0.663	0.56	0.628	0.87	0.728	0	0	0	0.612	0.566	0.588

SMO (SVM with poly kernel, exp=10), computation becomes exponentially slow from exp = 1 to 10	All	0.584	0.469	0.606	0.59	0.597	0.192	0.22	0.204	0.423	0.415	0.419
	Weather	0.681	0.533	0.656	0.62	0.636	0.316	0.26	0.286	0.475	0.547	0.509
	Traffic	0.64	0.537	0.615	0.87	0.72	0	0	0	0.591	0.491	0.536
SMO (SVM with RBF kernel, gamma=0.01)	All	0.5	0.303	0.472	1	0.642	0	0	0	0	0	0
	Weather	0.5	0.303	0.472	1	0.642	0	0	0	0	0	0
	Traffic	0.5	0.303	0.472	1	0.642	0	0	0	0	0	0
SMO (SVM with RBF kernel, gamma=0.1)	All	0.584	0.481	0.564	0.78	0.654	0	0	0	0.48	0.453	0.466
	Weather	0.584	0.481	0.564	0.78	0.654	0	0	0	0.48	0.453	0.466
	Traffic	0.5	0.303	0.472	1	0.642	0	0	0	0	0	0
SMO (SVM with RBF kernel, gamma=1)	All	0.68	0.559	0.658	0.77	0.707	0	0	0	0.554	0.679	0.61
	Weather	0.671	0.552	0.65	0.77	0.703	0	0	0	0.547	0.66	0.598
	Traffic	0.665	0.538	0.592	0.85	0.699	0	0	0	0.609	0.528	0.566
SMO (SVM with RBF kernel, gamma=10)	All	0.67	0.549	0.62	0.84	0.712	0	0	0	0.588	0.566	0.577
	Weather	0.694	0.557	0.629	0.82	0.713	0	0	0	0.593	0.604	0.598
	Traffic	0.744	0.61	0.722	0.84	0.776	0	0	0	0.6	0.736	0.661
SMO (SVM with RBF kernel, gamma=50)	All	0.547	0.453	0.544	0.82	0.655	0	0	0	0.462	0.34	0.391
	Weather	0.633	0.52	0.602	0.82	0.696	0	0	0	0.553	0.491	0.52
	Traffic	0.685	0.565	0.671	0.78	0.721	0	0	0	0.554	0.679	0.61
SMO (SVM with RBF kernel, gamma=100)	All	0.507	0.408	0.504	0.88	0.642	0	0	0	0.458	0.208	0.286
	Weather	0.613	0.495	0.564	0.84	0.675	0	0	0	0.564	0.415	0.478
	Traffic	0.664	0.545	0.642	0.77	0.698	0	0	0	0.54	0.642	0.586
Neural network (MultilayerPerceptron)	All	0.684	0.552	0.653	0.69	0.671	0.143	0.04	0.067	0.554	0.679	0.61
	Weather	0.68	0.538	0.643	0.66	0.652	0.286	0.09	0.133	0.507	0.642	0.567

	Traffic	0.733	0.563	0.742	0.72	0.731	0	0	0	0.514	0.698	0.592
RBF Network (RBFNetwork)	All	0.65	0.555	0.68	0.75	0.713	0.111	0.04	0.063	0.533	0.604	0.566
	Weather	0.619	0.505	0.592	0.66	0.625	0.167	0.04	0.069	0.5	0.585	0.539
	Traffic	0.745	0.527	0.6	0.84	0.699	0	0	0	0.563	0.509	0.535
K-nearest neighbor (IBk; K calculated worse between 1 and 20 using CV on training set; distance weighting gave much	All	0.639	0.505	0.613	0.68	0.643	0	0	0	0.485	0.623	0.545
	Weather	0.613	0.523	0.653	0.69	0.671	0	0	0	0.486	0.66	0.56
	Traffic	0.727	0.545	0.681	0.72	0.7	0	0	0	0.522	0.66	0.583
RIPPER (JRip)	All	0.597	0.491	0.584	0.87	0.698	0	0	0	0.488	0.396	0.438
	Weather	0.593	0.488	0.568	0.79	0.663	0	0	0	0.5	0.453	0.475
	Traffic	0.517	0.476	0.571	0.82	0.675	0	0	0	0.467	0.396	0.429
Decision Tree (J48)	All	0.646	0.462	0.6	0.66	0.629	0.105	0.09	0.095	0.42	0.396	0.408
	Weather	0.66	0.553	0.646	0.78	0.707	0.235	0.17	0.2	0.556	0.472	0.51
	Traffic	0.725	0.597	0.701	0.79	0.745	0	0	0	0.638	0.698	0.667
Random forest (RandomForest; #trees=10)	All	0.695	0.517	0.629	0.65	0.638	0.182	0.09	0.118	0.492	0.585	0.534
	Weather	0.711	0.562	0.681	0.72	0.7	0.158	0.13	0.143	0.566	0.566	0.566
	Traffic	0.717	0.6	0.704	0.74	0.719	0.25	0.17	0.205	0.596	0.642	0.618
Random forest (RandomForest; #trees=30)	All	0.737	0.562	0.667	0.74	0.699	0.333	0.13	0.188	0.517	0.585	0.549
	Weather	0.724	0.561	0.685	0.74	0.709	0.158	0.13	0.143	0.558	0.547	0.552
	Traffic	0.719	0.548	0.658	0.71	0.681	0.133	0.09	0.105	0.554	0.585	0.569
Random forest (RandomForest; #trees=50)	All	0.75	0.607	0.712	0.77	0.738	0.4	0.17	0.242	0.557	0.642	0.596
	Weather	0.738	0.558	0.667	0.71	0.686	0.188	0.13	0.154	0.554	0.585	0.569
	Traffic	0.717	0.547	0.662	0.72	0.69	0.133	0.09	0.105	0.545	0.566	0.556

Random forest (RandomForest; #trees=70)	All	0.753	0.594	0.703	0.77	0.732	0.375	0.13	0.194	0.548	0.642	0.591
	Weather	0.739	0.563	0.667	0.71	0.686	0.2	0.13	0.158	0.561	0.604	0.582
	Traffic	0.717	0.545	0.653	0.72	0.685	0.143	0.09	0.108	0.545	0.566	0.556
Random forest (RandomForest; #trees=100)	All	0.75	0.61	0.701	0.79	0.745	0.444	0.17	0.25	0.569	0.623	0.595
	Weather	0.744	0.576	0.676	0.71	0.691	0.214	0.13	0.162	0.576	0.642	0.607
	Traffic	0.726	0.551	0.653	0.72	0.685	0.154	0.09	0.111	0.554	0.585	0.569
Random forest (RandomForest; #trees=120)	All	0.744	0.588	0.697	0.78	0.736	0.333	0.13	0.188	0.542	0.604	0.571
	Weather	0.745	0.569	0.667	0.71	0.686	0.214	0.13	0.162	0.569	0.623	0.595
	Traffic	0.726	0.551	0.653	0.72	0.685	0.154	0.09	0.111	0.554	0.585	0.569

UFP, threshold -38K, -57K (ternary)		High				Medium			Low			
Classifier	Attributes	AUC	Weighted F	Precision	Recall	F-measure	Precision	Recall	F-measure	Precision	Recall	F-measure
Simple Naive Bayes (NaiveBayesSimple)	All	0.66	0.431	0.571	0.82	0.672	0.339	0.4	0.365	0.444	0.17	0.246
	Weather	0.65	0.423	0.543	0.78	0.639	0.5	0.02	0.04	0.486	0.75	0.588
	Traffic	0.51	0.427	0.541	0.67	0.6	0.361	0.54	0.433	0.636	0.15	0.241
Bayesian Network (BayesNet)	All	0.58	0.39	0.471	0.84	0.603	0.429	0.06	0.109	0.44	0.47	0.454
	Weather	0.59	0.407	0.471	0.84	0.603	0.75	0.06	0.115	0.472	0.53	0.5
	Traffic	0	0	0	0	0	0	0	0	0	0	0
SMO (SVM with linear kernel)	All	0.62	0.356	0.524	0.67	0.589	0.125	0.08	0.1	0.367	0.38	0.375
	Weather	0.63	0.38	0.524	0.67	0.589	0.182	0.13	0.148	0.396	0.4	0.4
	Traffic	0.53	0.331	0.5	0.57	0.533	0.255	0.27	0.263	0.216	0.17	0.19
SMO (SVM with poly kernel, exp=2)	All	0.6	0.332	0.471	0.67	0.555	0.12	0.06	0.082	0.347	0.36	0.354
	Weather	0.61	0.351	0.439	0.59	0.504	0.172	0.1	0.13	0.408	0.43	0.417
	Traffic	0.57	0.388	0.524	0.67	0.589	0.262	0.23	0.244	0.359	0.3	0.326
SMO (SVM with poly kernel, exp=3)	All	0.62	0.382	0.479	0.71	0.574	0.188	0.13	0.15	0.462	0.38	0.419
	Weather	0.66	0.378	0.452	0.67	0.541	0.188	0.13	0.15	0.487	0.4	0.442
	Traffic	0.65	0.448	0.54	0.69	0.607	0.295	0.27	0.283	0.514	0.4	0.452
SMO (SVM with poly kernel, exp=5)	All	0.62	0.384	0.458	0.55	0.5	0.257	0.19	0.217	0.42	0.45	0.433
	Weather	0.67	0.414	0.479	0.69	0.567	0.231	0.13	0.162	0.511	0.51	0.511
	Traffic	0.66	0.412	0.529	0.74	0.615	0.277	0.27	0.274	0.448	0.28	0.342
SMO (SVM with poly kernel, exp=8)	All	0.54	0.385	0.5	0.47	0.484	0.282	0.23	0.253	0.373	0.47	0.415
	Weather	0.7	0.415	0.509	0.55	0.529	0.281	0.19	0.225	0.441	0.55	0.491
	Traffic	0.68	0.454	0.507	0.78	0.613	0.323	0.21	0.253	0.553	0.45	0.494

SMO (SVM with poly kernel, exp=10), computation becomes exponentially slow from exp = 1 to 10	All	0.54	0.397	0.524	0.45	0.484	0.318	0.29	0.304	0.362	0.45	0.4
	Weather	0.7	0.449	0.481	0.51	0.495	0.371	0.27	0.313	0.491	0.6	0.538
	Traffic	0.69	0.469	0.487	0.76	0.592	0.4	0.29	0.337	0.576	0.4	0.475
SMO (SVM with RBF kernel, gamma=0.01)	All	0.35	0.155	0.309	0.86	0.454	0	0	0	0	0	0
	Weather	0.41	0.156	0.312	0.88	0.46	0	0	0	0	0	0
	Traffic	0.39	0.148	0.296	0.82	0.435	0	0	0	0	0	0
SMO (SVM with RBF kernel, gamma=0.1)	All	0.55	0.344	0.513	0.82	0.63	0.2	0.13	0.154	0.278	0.21	0.241
	Weather	0.58	0.361	0.513	0.82	0.63	0.167	0.08	0.111	0.357	0.32	0.337
	Traffic	0.55	0.243	0.424	0.74	0.537	0.091	0.06	0.074	0.154	0.09	0.11
SMO (SVM with RBF kernel, gamma=1)	All	0.65	0.409	0.522	0.74	0.61	0.182	0.08	0.114	0.472	0.53	0.5
	Weather	0.64	0.431	0.521	0.76	0.617	0.316	0.13	0.179	0.463	0.53	0.495
	Traffic	0.61	0.373	0.524	0.67	0.589	0.25	0.27	0.26	0.345	0.21	0.263
SMO (SVM with RBF kernel, gamma=10)	All	0.64	0.396	0.469	0.61	0.531	0.216	0.17	0.188	0.488	0.45	0.467
	Weather	0.66	0.357	0.462	0.61	0.526	0.139	0.1	0.119	0.442	0.4	0.422
	Traffic	0.71	0.492	0.544	0.63	0.585	0.359	0.29	0.322	0.563	0.57	0.568
SMO (SVM with RBF kernel, gamma=50)	All	0.56	0.387	0.5	0.51	0.505	0.31	0.38	0.34	0.361	0.28	0.313
	Weather	0.63	0.387	0.446	0.51	0.476	0.255	0.25	0.253	0.463	0.4	0.432
	Traffic	0.72	0.598	0.667	0.61	0.638	0.52	0.54	0.531	0.612	0.64	0.625
SMO (SVM with RBF kernel, gamma=100)	All	0.47	0.334	0.458	0.45	0.454	0.306	0.4	0.345	0.235	0.17	0.198
	Weather	0.62	0.378	0.407	0.45	0.427	0.259	0.29	0.275	0.5	0.38	0.434
	Traffic	0.62	0.509	0.636	0.57	0.602	0.417	0.42	0.417	0.481	0.53	0.505
Neural network (MultilayerPerceptron)	All	0.66	0.423	0.508	0.61	0.556	0.276	0.17	0.208	0.464	0.55	0.505
	Weather	0.64	0.39	0.517	0.63	0.569	0.205	0.17	0.184	0.422	0.4	0.413

	Traffic	0.63	0.458	0.633	0.63	0.633	0.358	0.4	0.376	0.381	0.34	0.36
RBF Network (RBFNetwork)	All	0.71	0.466	0.556	0.82	0.661	0.296	0.17	0.213	0.533	0.51	0.522
	Weather	0.66	0.365	0.492	0.59	0.537	0.129	0.08	0.101	0.426	0.49	0.455
	Traffic	0.74	0.466	0.551	0.78	0.644	0.31	0.19	0.234	0.522	0.51	0.516
K-nearest neighbor (1Bk; K calculated worse between 1 and 20 using CV on training set; distance weighting gave much	All	0.62	0.366	0.529	0.74	0.615	0.111	0.04	0.061	0.379	0.47	0.419
	Weather	0.61	0.311	0.418	0.47	0.442	0.077	0.04	0.054	0.381	0.51	0.436
	Traffic	0.64	0.531	0.625	0.61	0.619	0.45	0.38	0.409	0.518	0.62	0.563
RIPPER (JRip)	All	0.53	0.328	0.378	0.57	0.455	0.188	0.13	0.15	0.421	0.34	0.376
	Weather	0.59	0.307	0.354	0.59	0.443	0.143	0.08	0.105	0.441	0.32	0.37
	Traffic	0.51	0.332	0.389	0.57	0.463	0.268	0.23	0.247	0.355	0.23	0.282
Decision Tree (J48)	All	0.56	0.388	0.453	0.59	0.513	0.261	0.13	0.169	0.439	0.53	0.481
	Weather	0.57	0.465	0.5	0.47	0.484	0.408	0.42	0.412	0.49	0.51	0.5
	Traffic	0.59	0.535	0.674	0.63	0.653	0.464	0.54	0.5	0.476	0.43	0.449
Random forest (RandomForest; #trees=10)	All	0.68	0.488	0.577	0.61	0.594	0.41	0.33	0.368	0.472	0.53	0.5
	Weather	0.68	0.429	0.533	0.49	0.511	0.311	0.29	0.301	0.444	0.51	0.475
	Traffic	0.65	0.514	0.622	0.57	0.596	0.465	0.42	0.44	0.464	0.55	0.505
Random forest (RandomForest; #trees=30)	All	0.69	0.487	0.564	0.63	0.596	0.421	0.33	0.372	0.471	0.51	0.49
	Weather	0.68	0.43	0.48	0.49	0.485	0.34	0.33	0.337	0.468	0.47	0.468
	Traffic	0.67	0.535	0.646	0.63	0.639	0.447	0.44	0.442	0.51	0.53	0.521
Random forest (RandomForest; #trees=50)	All	0.68	0.498	0.556	0.61	0.583	0.455	0.42	0.435	0.478	0.47	0.473
	Weather	0.68	0.435	0.481	0.51	0.495	0.349	0.31	0.33	0.469	0.49	0.479
	Traffic	0.67	0.542	0.652	0.61	0.632	0.468	0.46	0.463	0.51	0.55	0.531

Random forest (RandomForest; #trees=70)	All	0.67	0.498	0.577	0.61	0.594	0.444	0.42	0.43	0.468	0.47	0.468
	Weather	0.68	0.449	0.5	0.53	0.515	0.372	0.33	0.352	0.469	0.49	0.479
	Traffic	0.68	0.535	0.63	0.59	0.611	0.468	0.46	0.463	0.51	0.55	0.531
Random forest (RandomForest; #trees=100)	All	0.68	0.512	0.566	0.61	0.588	0.465	0.42	0.44	0.5	0.51	0.505
	Weather	0.68	0.423	0.48	0.49	0.485	0.326	0.31	0.319	0.458	0.47	0.463
	Traffic	0.68	0.528	0.617	0.59	0.604	0.457	0.44	0.447	0.51	0.55	0.531
Random forest (RandomForest; #trees=120)	All	0.69	0.512	0.577	0.61	0.594	0.465	0.42	0.44	0.49	0.51	0.5
	Weather	0.68	0.451	0.51	0.51	0.51	0.37	0.35	0.362	0.469	0.49	0.479
	Traffic	0.68	0.522	0.617	0.59	0.604	0.458	0.46	0.458	0.49	0.51	0.5

PM1.0, threshold 150 (binary)

Classifier	Attributes	AUC	High				Low		
			Weighted F-	Precision	Recall	F-measure	Precision	Recall	F-measure
Simple Naive Bayes (NaiveBayesSimple)	All	0.892	0.823	0.896	0.86	0.88	0.605	0.676	0.639
	Weather	0.916	0.861	0.909	0.91	0.909	0.706	0.706	0.706
	Traffic	0.718	0.729	0.856	0.76	0.802	0.426	0.588	0.494
Bayesian Network (BayesNet)	All	0.929	0.913	0.915	0.98	0.947	0.923	0.706	0.8
	Weather	0.929	0.913	0.915	0.98	0.947	0.923	0.706	0.8
	Traffic	0.527	0.662	0.764	1	0.866	0	0	0
SMO (SVM with linear kernel)	All	0.8	0.888	0.893	0.98	0.935	0.913	0.618	0.737
	Weather	0.8	0.888	0.893	0.98	0.935	0.913	0.618	0.737
	Traffic	0.5	0.662	0.764	1	0.866	0	0	0
SMO (SVM with poly kernel, exp=2)	All	0.8	0.888	0.893	0.98	0.935	0.913	0.618	0.737
	Weather	0.804	0.895	0.893	0.99	0.94	0.955	0.618	0.75
	Traffic	0.5	0.662	0.764	1	0.866	0	0	0
SMO (SVM with poly kernel, exp=3)	All	0.768	0.844	0.886	0.92	0.902	0.7	0.618	0.656
	Weather	0.795	0.882	0.892	0.97	0.93	0.875	0.618	0.724
	Traffic	0.477	0.644	0.755	0.96	0.843	0	0	0
SMO (SVM with poly kernel, exp=5)	All	0.787	0.858	0.895	0.93	0.911	0.733	0.647	0.688
	Weather	0.82	0.891	0.906	0.96	0.934	0.852	0.676	0.754
	Traffic	0.493	0.66	0.761	0.93	0.836	0.2	0.059	0.091
SMO (SVM with poly kernel, exp=8)	All	0.818	0.862	0.917	0.9	0.908	0.694	0.735	0.714
	Weather	0.816	0.885	0.905	0.96	0.929	0.821	0.676	0.742
	Traffic	0.542	0.702	0.78	0.94	0.851	0.417	0.147	0.217

SMO (SVM with poly kernel, exp=10), computation becomes exponentially slow from exp = 1 to 10	All	0.837	0.876	0.926	0.91	0.917	0.722	0.765	0.743
	Weather	0.802	0.866	0.903	0.93	0.915	0.742	0.676	0.708
	Traffic	0.527	0.69	0.774	0.94	0.848	0.364	0.118	0.178
SMO (SVM with RBF kernel, gamma=0.01)	All	0.5	0.662	0.764	1	0.866	0	0	0
	Weather	0.5	0.662	0.764	1	0.866	0	0	0
	Traffic	0.5	0.662	0.764	1	0.866	0	0	0
SMO (SVM with RBF kernel, gamma=0.1)	All	0.765	0.876	0.873	1	0.932	1	0.529	0.692
	Weather	0.735	0.857	0.859	1	0.924	1	0.471	0.64
	Traffic	0.5	0.662	0.764	1	0.866	0	0	0
SMO (SVM with RBF kernel, gamma=1)	All	0.809	0.902	0.894	1	0.944	1	0.618	0.764
	Weather	0.809	0.902	0.894	1	0.944	1	0.618	0.764
	Traffic	0.5	0.662	0.764	1	0.866	0	0	0
SMO (SVM with RBF kernel, gamma=10)	All	0.794	0.893	0.887	1	0.94	1	0.588	0.741
	Weather	0.8	0.888	0.893	0.98	0.935	0.913	0.618	0.737
	Traffic	0.616	0.75	0.813	0.91	0.858	0.524	0.324	0.4
SMO (SVM with RBF kernel, gamma=50)	All	0.77	0.871	0.878	0.98	0.927	0.905	0.559	0.691
	Weather	0.8	0.888	0.893	0.98	0.935	0.913	0.618	0.737
	Traffic	0.665	0.784	0.835	0.92	0.874	0.609	0.412	0.491
SMO (SVM with RBF kernel, gamma=100)	All	0.569	0.731	0.79	0.99	0.879	0.833	0.147	0.25
	Weather	0.775	0.878	0.879	0.99	0.932	0.95	0.559	0.704
	Traffic	0.655	0.78	0.829	0.93	0.876	0.619	0.382	0.473
Neural network (MultilayerPerceptron)	All	0.894	0.891	0.906	0.96	0.934	0.852	0.676	0.754
	Weather	0.899	0.864	0.896	0.94	0.916	0.759	0.647	0.698

	Traffic	0.741	0.753	0.832	0.86	0.843	0.484	0.441	0.462
RBF Network (RBFNetwork)	All	0.844	0.879	0.904	0.95	0.924	0.793	0.676	0.73
	Weather	0.876	0.867	0.91	0.92	0.914	0.727	0.706	0.716
	Traffic	0.728	0.753	0.832	0.86	0.843	0.484	0.441	0.462
K-nearest neighbor (IBk; K calculated between 1 and 20 using CV on training set; no distance weighting)	All	0.904	0.882	0.892	0.97	0.93	0.875	0.618	0.724
	Weather	0.918	0.863	0.889	0.95	0.916	0.778	0.618	0.689
	Traffic	0.793	0.711	0.815	0.8	0.807	0.389	0.412	0.4
K-nearest neighbor (IBk; K calculated between 1 and 20 using CV on training set; 1/distance weighting)	All	0.929	0.882	0.892	0.97	0.93	0.875	0.618	0.724
	Weather	0.932	0.869	0.89	0.96	0.921	0.808	0.618	0.7
	Traffic	0.834	0.79	0.846	0.9	0.872	0.593	0.471	0.525
RIPPER (JRip)	All	0.862	0.92	0.923	0.98	0.952	0.926	0.735	0.82
	Weather	0.865	0.92	0.923	0.98	0.952	0.926	0.735	0.82
	Traffic	0.689	0.802	0.849	0.92	0.882	0.64	0.471	0.542
Decision Tree (J48)	All	0.872	0.896	0.936	0.93	0.932	0.771	0.794	0.783
	Weather	0.872	0.896	0.936	0.93	0.932	0.771	0.794	0.783
	Traffic	0.684	0.809	0.887	0.86	0.87	0.579	0.647	0.611
Decision Tree (ADTree)	All	0.944	0.929	0.939	0.97	0.955	0.9	0.794	0.844
	Weather	0.944	0.93	0.946	0.96	0.955	0.875	0.824	0.848
	Traffic	0.804	0.827	0.89	0.88	0.886	0.629	0.647	0.638
Random forest (RandomForest; #trees=10)	All	0.926	0.899	0.914	0.96	0.938	0.857	0.706	0.774
	Weather	0.961	0.909	0.937	0.95	0.941	0.818	0.794	0.806
	Traffic	0.816	0.784	0.856	0.86	0.86	0.545	0.529	0.537

Random forest (RandomForest; #trees=30)	All	0.947	0.899	0.914	0.96	0.938	0.857	0.706	0.774
	Weather	0.952	0.915	0.93	0.96	0.946	0.867	0.765	0.813
	Traffic	0.807	0.764	0.845	0.85	0.845	0.5	0.5	0.5
Random forest (RandomForest; #trees=50)	All	0.946	0.898	0.907	0.97	0.939	0.885	0.676	0.767
	Weather	0.953	0.915	0.93	0.96	0.946	0.867	0.765	0.813
	Traffic	0.815	0.773	0.842	0.87	0.857	0.533	0.471	0.5
Random forest (RandomForest; #trees=70)	All	0.947	0.914	0.922	0.97	0.947	0.893	0.735	0.806
	Weather	0.953	0.907	0.922	0.96	0.942	0.862	0.735	0.794
	Traffic	0.818	0.767	0.841	0.86	0.852	0.516	0.471	0.492
Random forest (RandomForest; #trees=100)	All	0.955	0.906	0.915	0.97	0.943	0.889	0.706	0.787
	Weather	0.953	0.907	0.922	0.96	0.942	0.862	0.735	0.794
	Traffic	0.816	0.784	0.856	0.86	0.86	0.545	0.529	0.537
Random forest (RandomForest; #trees=120)	All	0.953	0.906	0.915	0.97	0.943	0.889	0.706	0.787
	Weather	0.953	0.907	0.922	0.96	0.942	0.862	0.735	0.794
	Traffic	0.816	0.775	0.848	0.86	0.856	0.531	0.5	0.515

PM1.0, threshold 204 (binary)

Classifier	Attributes	AUC	High				Low		
			Weighted F	Precision	Recall	F-measure	Precision	Recall	F-measure
Simple Naive Bayes (NaiveBayesSimple)	All	0.851	0.763	0.788	0.72	0.754	0.744	0.806	0.773
	Weather	0.871	0.818	0.883	0.74	0.803	0.774	0.903	0.833
	Traffic	0.644	0.652	0.624	0.81	0.703	0.725	0.514	0.602
Bayesian Network (BayesNet)	All	0.969	0.958	0.946	0.97	0.959	0.971	0.944	0.958
	Weather	0.967	0.958	0.946	0.97	0.959	0.971	0.944	0.958
	Traffic	0.493	0.673	0.662	0.71	0.685	0.687	0.639	0.662
SMO (SVM with linear kernel)	All	0.771	0.769	0.735	0.85	0.787	0.82	0.694	0.752
	Weather	0.757	0.749	0.691	0.93	0.793	0.894	0.583	0.706
	Traffic	0.667	0.667	0.662	0.68	0.671	0.671	0.653	0.662
SMO (SVM with poly kernel, exp=2)	All	0.931	0.93	0.897	0.97	0.933	0.97	0.889	0.928
	Weather	0.917	0.917	0.895	0.94	0.919	0.941	0.889	0.914
	Traffic	0.66	0.656	0.632	0.76	0.692	0.702	0.556	0.62
SMO (SVM with poly kernel, exp=3)	All	0.938	0.937	0.932	0.94	0.938	0.944	0.931	0.937
	Weather	0.944	0.944	0.944	0.94	0.944	0.944	0.944	0.944
	Traffic	0.66	0.647	0.616	0.85	0.713	0.756	0.472	0.581
SMO (SVM with poly kernel, exp=5)	All	0.91	0.91	0.928	0.89	0.908	0.893	0.931	0.912
	Weather	0.938	0.937	0.97	0.9	0.935	0.909	0.972	0.94
	Traffic	0.632	0.619	0.596	0.82	0.69	0.711	0.444	0.547
SMO (SVM with poly kernel, exp=8)	All	0.889	0.889	0.924	0.85	0.884	0.859	0.931	0.893
	Weather	0.951	0.951	0.971	0.93	0.95	0.933	0.972	0.952
	Traffic	0.604	0.59	0.576	0.79	0.667	0.667	0.417	0.513

SMO (SVM with poly kernel, exp=10), computation	All	0.896	0.896	0.925	0.86	0.892	0.87	0.931	0.899
	Weather	0.91	0.91	0.954	0.86	0.905	0.873	0.958	0.914
	Traffic	0.625	0.612	0.592	0.81	0.682	0.696	0.444	0.542
SMO (SVM with RBF kernel, gamma=0.01)	All	0.153	0.153	0.143	0.14	0.141	0.162	0.167	0.164
	Weather	0.125	0.124	0.103	0.1	0.1	0.145	0.153	0.149
	Traffic	0	0	0	0	0	0	0	0
SMO (SVM with RBF kernel, gamma=0.1)	All	0.771	0.769	0.735	0.85	0.787	0.82	0.694	0.752
	Weather	0.771	0.769	0.735	0.85	0.787	0.82	0.694	0.752
	Traffic	0.667	0.667	0.662	0.68	0.671	0.671	0.653	0.662
SMO (SVM with RBF kernel, gamma=1)	All	0.944	0.944	0.921	0.97	0.946	0.971	0.917	0.943
	Weather	0.958	0.958	0.946	0.97	0.959	0.971	0.944	0.958
	Traffic	0.681	0.678	0.655	0.76	0.705	0.717	0.597	0.652
SMO (SVM with RBF kernel, gamma=10)	All	0.924	0.924	0.93	0.92	0.923	0.918	0.931	0.924
	Weather	0.951	0.951	0.945	0.96	0.952	0.958	0.944	0.951
	Traffic	0.715	0.714	0.746	0.65	0.696	0.691	0.778	0.732
SMO (SVM with RBF kernel, gamma=50)	All	0.868	0.868	0.827	0.93	0.876	0.921	0.806	0.859
	Weather	0.903	0.903	0.926	0.88	0.9	0.882	0.931	0.905
	Traffic	0.701	0.701	0.699	0.71	0.703	0.704	0.694	0.699
SMO (SVM with RBF kernel, gamma=100)	All	0.826	0.824	0.764	0.94	0.845	0.927	0.708	0.803
	Weather	0.882	0.882	0.899	0.86	0.879	0.867	0.903	0.884
	Traffic	0.715	0.715	0.725	0.69	0.709	0.707	0.736	0.721
Neural network (MultilayerPerceptron)	All	0.957	0.924	0.942	0.9	0.922	0.907	0.944	0.925
	Weather	0.982	0.944	0.971	0.92	0.943	0.921	0.972	0.946

	Traffic	0.766	0.722	0.705	0.76	0.733	0.742	0.681	0.71
RBF Network (RBFNetwork)	All	0.932	0.931	0.908	0.96	0.932	0.956	0.903	0.929
	Weather	0.959	0.931	0.908	0.96	0.932	0.956	0.903	0.929
	Traffic	0.742	0.653	0.645	0.68	0.662	0.662	0.625	0.643
K-nearest neighbor (IBk; K calculated between 1 and 20 using CV on training set; no distance weighting)	All	0.968	0.965	0.959	0.97	0.966	0.972	0.958	0.965
	Weather	0.968	0.944	0.932	0.96	0.945	0.957	0.931	0.944
	Traffic	0.765	0.742	0.787	0.67	0.722	0.711	0.819	0.761
K-nearest neighbor (IBk; K calculated between 1 and 20 using CV on training set; 1/distance weighting)	All	0.974	0.951	0.945	0.96	0.952	0.958	0.944	0.951
	Weather	0.978	0.951	0.958	0.94	0.951	0.945	0.958	0.952
	Traffic	0.739	0.672	0.698	0.61	0.652	0.654	0.736	0.693
RIPPER (JRip)	All	0.922	0.917	0.885	0.96	0.92	0.955	0.875	0.913
	Weather	0.925	0.931	0.919	0.94	0.932	0.943	0.917	0.93
	Traffic	0.792	0.667	0.671	0.65	0.662	0.662	0.681	0.671
Decision Tree (J48)	All	0.959	0.937	0.932	0.94	0.938	0.944	0.931	0.937
	Weather	0.932	0.937	0.932	0.94	0.938	0.944	0.931	0.937
	Traffic	0.775	0.722	0.742	0.68	0.71	0.705	0.764	0.733
Decision Tree (ADTree)	All	0.986	0.951	0.958	0.94	0.951	0.945	0.958	0.952
	Weather	0.984	0.951	0.958	0.94	0.951	0.945	0.958	0.952
	Traffic	0.811	0.812	0.826	0.79	0.809	0.8	0.833	0.816
Random forest (RandomForest; #trees=10)	All	0.984	0.931	0.943	0.92	0.93	0.919	0.944	0.932
	Weather	0.973	0.931	0.931	0.93	0.931	0.931	0.931	0.931
	Traffic	0.801	0.756	0.785	0.71	0.745	0.734	0.806	0.768

Random forest (RandomForest; #trees=30)	All	0.986	0.937	0.944	0.93	0.937	0.932	0.944	0.938
	Weather	0.98	0.951	0.958	0.94	0.951	0.945	0.958	0.952
	Traffic	0.814	0.764	0.779	0.74	0.757	0.75	0.792	0.77
Random forest (RandomForest; #trees=50)	All	0.985	0.944	0.944	0.94	0.944	0.944	0.944	0.944
	Weather	0.979	0.951	0.958	0.94	0.951	0.945	0.958	0.952
	Traffic	0.827	0.777	0.803	0.74	0.768	0.756	0.819	0.787
Random forest (RandomForest; #trees=70)	All	0.986	0.944	0.944	0.94	0.944	0.944	0.944	0.944
	Weather	0.978	0.951	0.958	0.94	0.951	0.945	0.958	0.952
	Traffic	0.825	0.785	0.797	0.76	0.78	0.773	0.806	0.789
Random forest (RandomForest; #trees=100)	All	0.987	0.944	0.944	0.94	0.944	0.944	0.944	0.944
	Weather	0.982	0.951	0.958	0.94	0.951	0.945	0.958	0.952
	Traffic	0.827	0.778	0.794	0.75	0.771	0.763	0.806	0.784
Random forest (RandomForest; #trees=120)	All	0.987	0.944	0.944	0.94	0.944	0.944	0.944	0.944
	Weather	0.984	0.944	0.957	0.93	0.944	0.932	0.958	0.945
	Traffic	0.829	0.785	0.797	0.76	0.78	0.773	0.806	0.789

PM1.0, threshold 150, 200 (ternary)			High				Medium			Low		
Classifier	Attributes	AUC	Weighted F	Precision	Recall	F-measure	Precision	Recall	F-measure	Precision	Recall	F-measure
Simple Naive Bayes (NaiveBayesSimple)	All	0.89	0.634	0.814	0.77	0.792	0.306	0.31	0.306	0.605	0.68	0.639
	Weather	0.92	0.668	0.839	0.7	0.765	0.367	0.5	0.424	0.727	0.71	0.716
	Traffic	0.69	0.498	0.659	0.73	0.692	0.333	0.08	0.133	0.377	0.59	0.46
Bayesian Network (BayesNet)	All	0.93	0.821	0.9	0.97	0.935	0.735	0.69	0.714	0.733	0.65	0.688
	Weather	0.93	0.821	0.9	0.97	0.935	0.735	0.69	0.714	0.733	0.65	0.688
	Traffic	0.53	0.467	0.662	0.66	0.662	0	0	0	0.4	0.82	0.538
SMO (SVM with linear kernel)	All	0.88	0.691	0.724	0.96	0.826	0.478	0.31	0.373	0.913	0.62	0.737
	Weather	0.87	0.666	0.707	0.95	0.809	0.429	0.25	0.316	0.875	0.62	0.724
	Traffic	0.66	0.321	0.492	0.85	0.624	0	0	0	0	0	0
SMO (SVM with poly kernel, exp=2)	All	0.9	0.831	0.899	0.96	0.928	0.651	0.78	0.709	0.955	0.62	0.75
	Weather	0.9	0.814	0.847	0.97	0.906	0.676	0.69	0.685	0.955	0.62	0.75
	Traffic	0.75	0.485	0.59	0.84	0.693	0.333	0.08	0.133	0.433	0.38	0.406
SMO (SVM with poly kernel, exp=3)	All	0.88	0.819	0.933	0.95	0.94	0.634	0.72	0.675	0.786	0.65	0.71
	Weather	0.89	0.833	0.947	0.96	0.953	0.636	0.78	0.7	0.84	0.62	0.712
	Traffic	0.78	0.57	0.608	0.84	0.705	0.647	0.31	0.415	0.52	0.38	0.441
SMO (SVM with poly kernel, exp=5)	All	0.83	0.814	0.931	0.91	0.918	0.675	0.75	0.711	0.719	0.68	0.697
	Weather	0.88	0.823	0.958	0.92	0.938	0.619	0.72	0.667	0.774	0.71	0.738
	Traffic	0.74	0.535	0.593	0.87	0.703	0.632	0.33	0.436	0.412	0.21	0.275
SMO (SVM with poly kernel, exp=8)	All	0.84	0.774	0.914	0.87	0.889	0.615	0.67	0.64	0.657	0.68	0.667
	Weather	0.88	0.817	0.957	0.89	0.923	0.614	0.75	0.675	0.774	0.71	0.738
	Traffic	0.74	0.506	0.589	0.89	0.71	0.556	0.28	0.37	0.357	0.15	0.208

SMO (SVM with poly kernel, exp=10), computation becomes exponentially slow from exp = 1 to 10	All	0.84	0.787	0.915	0.88	0.897	0.658	0.69	0.676	0.657	0.68	0.667
	Weather	0.86	0.809	0.943	0.89	0.917	0.676	0.69	0.685	0.676	0.74	0.704
	Traffic	0.74	0.477	0.577	0.87	0.692	0.5	0.25	0.333	0.267	0.12	0.163
SMO (SVM with RBF kernel, gamma=0.01)	All	0.5	0.349	0.514	1	0.679	0	0	0	0	0	0
	Weather	0.5	0.349	0.514	1	0.679	0	0	0	0	0	0
	Traffic	0.5	0.349	0.514	1	0.679	0	0	0	0	0	0
SMO (SVM with RBF kernel, gamma=0.1)	All	0.84	0.652	0.705	1	0.827	0.5	0.14	0.217	0.793	0.68	0.73
	Weather	0.87	0.639	0.705	1	0.827	0.444	0.11	0.178	0.767	0.68	0.719
	Traffic	0.52	0.349	0.514	1	0.679	0	0	0	0	0	0
SMO (SVM with RBF kernel, gamma=1)	All	0.91	0.846	0.91	0.96	0.934	0.667	0.83	0.741	1	0.62	0.764
	Weather	0.91	0.854	0.934	0.96	0.947	0.66	0.86	0.747	1	0.62	0.764
	Traffic	0.76	0.52	0.594	0.81	0.686	0.5	0.19	0.28	0.448	0.38	0.413
SMO (SVM with RBF kernel, gamma=10)	All	0.88	0.831	0.922	0.96	0.94	0.651	0.78	0.709	0.875	0.62	0.724
	Weather	0.92	0.846	0.934	0.96	0.947	0.667	0.83	0.741	0.913	0.62	0.737
	Traffic	0.76	0.598	0.667	0.78	0.72	0.565	0.36	0.441	0.5	0.5	0.5
SMO (SVM with RBF kernel, gamma=50)	All	0.84	0.777	0.745	0.99	0.849	0.895	0.47	0.618	0.889	0.71	0.787
	Weather	0.85	0.82	0.867	0.97	0.917	0.727	0.67	0.696	0.821	0.68	0.742
	Traffic	0.73	0.596	0.634	0.8	0.707	0.538	0.39	0.452	0.6	0.44	0.508
SMO (SVM with RBF kernel, gamma=100)	All	0.82	0.544	0.584	0.99	0.734	0.8	0.11	0.195	0.857	0.35	0.5
	Weather	0.86	0.715	0.716	0.99	0.83	0.75	0.33	0.462	0.846	0.65	0.733
	Traffic	0.7	0.617	0.642	0.82	0.722	0.696	0.44	0.542	0.538	0.41	0.467
Neural network (MultilayerPerceptron)	All	0.89	0.846	0.921	0.95	0.933	0.707	0.81	0.753	0.852	0.68	0.754
	Weather	0.92	0.813	0.932	0.93	0.932	0.619	0.72	0.667	0.786	0.65	0.71

	Traffic	0.75	0.558	0.614	0.73	0.667	0.485	0.44	0.464	0.522	0.35	0.421
RBF Network (RBFNetwork)	All	0.88	0.792	0.932	0.93	0.932	0.595	0.61	0.603	0.697	0.68	0.687
	Weather	0.92	0.818	0.947	0.96	0.953	0.657	0.64	0.648	0.706	0.71	0.706
	Traffic	0.75	0.613	0.675	0.73	0.701	0.552	0.44	0.492	0.543	0.56	0.551
K-nearest neighbor (IBk; K calculated between 1 and 20 using CV on training set; no distance weighting)	All	0.9	0.774	0.91	0.96	0.934	0.556	0.56	0.556	0.7	0.62	0.656
	Weather	0.91	0.81	0.922	0.96	0.94	0.632	0.67	0.649	0.759	0.65	0.698
	Traffic	0.82	0.607	0.703	0.61	0.652	0.548	0.64	0.59	0.5	0.56	0.528
K-nearest neighbor (IBk; K calculated between 1 and 20 using CV on training set; 1/distance weighting)	All	0.94	0.839	0.922	0.96	0.94	0.667	0.78	0.718	0.88	0.65	0.746
	Weather	0.92	0.818	0.934	0.96	0.947	0.649	0.67	0.658	0.742	0.68	0.708
	Traffic	0.84	0.692	0.806	0.68	0.735	0.667	0.72	0.693	0.535	0.68	0.597
RIPPER (JRip)	All	0.81	0.842	0.869	0.99	0.924	0.758	0.69	0.725	0.889	0.71	0.787
	Weather	0.83	0.841	0.859	0.99	0.918	0.788	0.72	0.754	0.885	0.68	0.767
	Traffic	0.7	0.649	0.678	0.82	0.744	0.621	0.5	0.554	0.64	0.47	0.542
Decision Tree (J48)	All	0.91	0.868	0.973	0.97	0.973	0.718	0.78	0.747	0.806	0.74	0.769
	Weather	0.94	0.896	0.973	0.97	0.973	0.756	0.86	0.805	0.897	0.77	0.825
	Traffic	0.74	0.629	0.711	0.73	0.72	0.469	0.42	0.441	0.611	0.65	0.629
Random forest (RandomForest; #trees=10)	All	0.96	0.862	0.945	0.93	0.939	0.73	0.75	0.74	0.824	0.82	0.824
	Weather	0.97	0.909	0.96	0.97	0.966	0.833	0.83	0.833	0.879	0.85	0.866
	Traffic	0.81	0.628	0.757	0.72	0.736	0.514	0.53	0.521	0.486	0.53	0.507
Random forest (RandomForest; #trees=30)	All	0.96	0.869	0.959	0.95	0.952	0.737	0.78	0.757	0.818	0.79	0.806
	Weather	0.97	0.903	0.973	0.96	0.966	0.795	0.86	0.827	0.875	0.82	0.848
	Traffic	0.83	0.653	0.743	0.74	0.743	0.568	0.58	0.575	0.545	0.53	0.537

Random forest (RandomForest; #trees=50)	All	0.96	0.875	0.947	0.96	0.953	0.763	0.81	0.784	0.839	0.77	0.8
	Weather	0.96	0.882	0.947	0.96	0.953	0.778	0.78	0.778	0.848	0.82	0.836
	Traffic	0.84	0.668	0.761	0.73	0.745	0.575	0.64	0.605	0.576	0.56	0.567
Random forest (RandomForest; #trees=70)	All	0.96	0.882	0.947	0.96	0.953	0.769	0.83	0.8	0.867	0.77	0.813
	Weather	0.96	0.896	0.959	0.96	0.959	0.806	0.81	0.806	0.853	0.85	0.853
	Traffic	0.84	0.667	0.74	0.73	0.735	0.583	0.58	0.583	0.6	0.62	0.609
Random forest (RandomForest; #trees=100)	All	0.96	0.889	0.947	0.96	0.953	0.789	0.83	0.811	0.871	0.79	0.831
	Weather	0.96	0.903	0.959	0.96	0.959	0.829	0.81	0.817	0.857	0.88	0.87
	Traffic	0.85	0.675	0.761	0.73	0.745	0.579	0.61	0.595	0.6	0.62	0.609
Random forest (RandomForest; #trees=120)	All	0.96	0.889	0.947	0.96	0.953	0.789	0.83	0.811	0.871	0.79	0.831
	Weather	0.96	0.895	0.947	0.96	0.953	0.829	0.81	0.817	0.853	0.85	0.853
	Traffic	0.85	0.675	0.761	0.73	0.745	0.579	0.61	0.595	0.6	0.62	0.609

PM1.0, threshold 162,283 (ternary)			High				Medium			Low		
Classifier	Attributes	AUC	Weighted F	Precision	Recall	F-measure	Precision	Recall	F-measure	Precision	Recall	F-measure
Simple Naive Bayes (NaiveBayesSimple)	All	0.91	0.672	0.619	0.8	0.696	0.618	0.44	0.512	0.809	0.81	0.809
	Weather	0.93	0.64	0.596	0.63	0.614	0.59	0.48	0.529	0.736	0.83	0.78
	Traffic	0.71	0.443	0.568	0.94	0.708	0.28	0.15	0.192	0.474	0.38	0.424
Bayesian Network (BayesNet)	All	0.93	0.769	0.863	0.9	0.88	0.722	0.54	0.619	0.737	0.89	0.808
	Weather	0.93	0.769	0.863	0.9	0.88	0.722	0.54	0.619	0.737	0.89	0.808
	Traffic	0.5	0.421	0.511	0.94	0.662	0	0	0	0.566	0.64	0.6
SMO (SVM with linear kernel)	All	0.86	0.68	0.606	0.88	0.717	0.618	0.44	0.512	0.897	0.75	0.814
	Weather	0.85	0.686	0.569	0.84	0.678	0.697	0.48	0.568	0.897	0.75	0.814
	Traffic	0.71	0.442	0.597	0.88	0.711	0	0	0	0.522	0.75	0.614
SMO (SVM with poly kernel, exp=2)	All	0.93	0.808	0.831	1	0.907	0.756	0.71	0.731	0.85	0.72	0.782
	Weather	0.9	0.786	0.75	0.98	0.85	0.769	0.63	0.69	0.878	0.77	0.818
	Traffic	0.72	0.473	0.583	0.86	0.694	0.267	0.08	0.127	0.544	0.66	0.596
SMO (SVM with poly kernel, exp=3)	All	0.9	0.782	0.852	0.94	0.893	0.702	0.69	0.695	0.791	0.72	0.756
	Weather	0.93	0.802	0.855	0.96	0.904	0.727	0.67	0.696	0.822	0.79	0.804
	Traffic	0.71	0.493	0.573	0.96	0.718	0.412	0.15	0.215	0.556	0.53	0.543
SMO (SVM with poly kernel, exp=5)	All	0.89	0.753	0.913	0.86	0.884	0.611	0.69	0.647	0.75	0.7	0.725
	Weather	0.93	0.825	0.887	0.96	0.922	0.745	0.73	0.737	0.841	0.79	0.813
	Traffic	0.71	0.507	0.565	0.98	0.716	0.462	0.25	0.324	0.576	0.4	0.475
SMO (SVM with poly kernel, exp=8)	All	0.87	0.757	0.88	0.9	0.889	0.653	0.67	0.66	0.733	0.7	0.717
	Weather	0.93	0.784	0.84	0.86	0.848	0.717	0.69	0.702	0.792	0.81	0.8
	Traffic	0.69	0.466	0.561	0.94	0.702	0.387	0.25	0.304	0.484	0.32	0.385

SMO (SVM with poly kernel, exp=10), computation becomes exponentially slow from exp = 1 to 10	All	0.89	0.755	0.811	0.88	0.843	0.674	0.65	0.66	0.778	0.75	0.761
	Weather	0.91	0.799	0.875	0.86	0.866	0.729	0.73	0.729	0.792	0.81	0.8
	Traffic	0.71	0.504	0.575	0.94	0.713	0.462	0.25	0.324	0.526	0.43	0.471
SMO (SVM with RBF kernel, gamma=0.01)	All	0.36	0.165	0.285	0.76	0.413	0.111	0.02	0.035	0.2	0.02	0.038
	Weather	0.38	0.167	0.311	0.86	0.457	0.111	0.02	0.035	0	0	0
	Traffic	0.35	0.151	0.301	0.84	0.443	0	0	0	0	0	0
SMO (SVM with RBF kernel, gamma=0.1)	All	0.84	0.665	0.545	0.86	0.667	0.731	0.4	0.514	0.878	0.77	0.818
	Weather	0.84	0.665	0.545	0.86	0.667	0.731	0.4	0.514	0.878	0.77	0.818
	Traffic	0.62	0.304	0.589	0.88	0.705	0.053	0.04	0.047	0.182	0.13	0.15
SMO (SVM with RBF kernel, gamma=1)	All	0.92	0.8	0.831	1	0.907	0.762	0.67	0.711	0.814	0.75	0.778
	Weather	0.88	0.787	0.842	0.98	0.906	0.705	0.65	0.674	0.814	0.75	0.778
	Traffic	0.71	0.449	0.585	0.98	0.733	0	0	0	0.541	0.7	0.611
SMO (SVM with RBF kernel, gamma=10)	All	0.88	0.768	0.906	0.98	0.941	0.653	0.67	0.66	0.738	0.66	0.697
	Weather	0.9	0.745	0.87	0.96	0.913	0.636	0.58	0.609	0.717	0.7	0.71
	Traffic	0.72	0.571	0.655	0.78	0.71	0.486	0.35	0.41	0.569	0.62	0.592
SMO (SVM with RBF kernel, gamma=50)	All	0.84	0.761	0.909	0.82	0.86	0.597	0.83	0.696	0.879	0.62	0.725
	Weather	0.92	0.793	0.88	0.9	0.889	0.667	0.75	0.706	0.85	0.72	0.782
	Traffic	0.73	0.559	0.673	0.67	0.673	0.452	0.4	0.422	0.547	0.62	0.58
SMO (SVM with RBF kernel, gamma=100)	All	0.78	0.698	0.717	0.78	0.745	0.567	0.71	0.63	0.903	0.6	0.718
	Weather	0.89	0.803	0.932	0.84	0.882	0.656	0.83	0.734	0.872	0.72	0.791
	Traffic	0.75	0.581	0.705	0.63	0.667	0.465	0.42	0.44	0.579	0.7	0.635
Neural network (MultilayerPerceptron)	All	0.94	0.77	0.83	0.9	0.863	0.673	0.69	0.68	0.81	0.72	0.764
	Weather	0.96	0.799	0.88	0.9	0.889	0.686	0.73	0.707	0.837	0.77	0.8

	Traffic	0.69	0.535	0.712	0.76	0.733	0.41	0.33	0.368	0.472	0.53	0.5
RBF Network (RBFNetwork)	All	0.93	0.731	0.778	0.86	0.816	0.619	0.54	0.578	0.792	0.81	0.8
	Weather	0.96	0.766	0.8	0.9	0.846	0.683	0.58	0.629	0.813	0.83	0.821
	Traffic	0.74	0.537	0.606	0.82	0.696	0.412	0.29	0.341	0.591	0.55	0.571
K-nearest neighbor (IBk; K calculated between 1 and 20 using CV on training set; no distance weighting)	All	0.86	0.806	0.863	0.9	0.88	0.706	0.75	0.727	0.857	0.77	0.809
	Weather	0.86	0.793	0.896	0.88	0.887	0.68	0.71	0.694	0.804	0.79	0.796
	Traffic	0.8	0.587	0.737	0.57	0.644	0.467	0.44	0.452	0.59	0.77	0.667
K-nearest neighbor (IBk; K calculated between 1 and 20 using CV on training set; 1/distance weighting)	All	0.88	0.785	0.863	0.9	0.88	0.68	0.71	0.694	0.814	0.75	0.778
	Weather	0.88	0.786	0.878	0.88	0.878	0.667	0.71	0.687	0.818	0.77	0.791
	Traffic	0.78	0.577	0.689	0.63	0.66	0.458	0.46	0.458	0.588	0.64	0.612
RIPPER (JRip)	All	0.89	0.715	0.696	0.8	0.743	0.622	0.58	0.602	0.837	0.77	0.8
	Weather	0.92	0.75	0.75	0.86	0.8	0.75	0.56	0.643	0.769	0.85	0.808
	Traffic	0.69	0.414	0.486	0.71	0.579	0.16	0.08	0.11	0.553	0.55	0.553
Decision Tree (J48)	All	0.89	0.78	0.884	0.78	0.826	0.66	0.73	0.693	0.813	0.83	0.821
	Weather	0.91	0.812	0.889	0.82	0.851	0.729	0.73	0.729	0.824	0.89	0.857
	Traffic	0.69	0.551	0.627	0.65	0.64	0.471	0.33	0.39	0.559	0.7	0.623
Random forest (RandomForest; #trees=10)	All	0.94	0.792	0.896	0.88	0.887	0.702	0.69	0.695	0.776	0.81	0.792
	Weather	0.96	0.799	0.917	0.9	0.907	0.7	0.73	0.714	0.783	0.77	0.774
	Traffic	0.77	0.61	0.679	0.74	0.706	0.556	0.42	0.476	0.6	0.7	0.647
Random forest (RandomForest; #trees=30)	All	0.96	0.819	0.9	0.92	0.909	0.745	0.73	0.737	0.809	0.81	0.809
	Weather	0.96	0.819	0.9	0.92	0.909	0.735	0.75	0.742	0.822	0.79	0.804
	Traffic	0.78	0.613	0.704	0.78	0.738	0.564	0.46	0.506	0.569	0.62	0.592

Random forest (RandomForest; #trees=50) All	0.96	0.812	0.882	0.92	0.9	0.729	0.73	0.729	0.822	0.79	0.804
Weather	0.96	0.826	0.9	0.92	0.909	0.74	0.77	0.755	0.841	0.79	0.813
Traffic	0.78	0.613	0.704	0.78	0.738	0.55	0.46	0.5	0.58	0.62	0.598
Random forest (RandomForest; #trees=70) All	0.96	0.818	0.885	0.94	0.911	0.745	0.73	0.737	0.822	0.79	0.804
Weather	0.97	0.826	0.9	0.92	0.909	0.74	0.77	0.755	0.841	0.79	0.813
Traffic	0.79	0.628	0.731	0.78	0.752	0.561	0.48	0.517	0.588	0.64	0.612
Random forest (RandomForest; #trees=100) All	0.97	0.825	0.885	0.94	0.911	0.761	0.73	0.745	0.826	0.81	0.817
Weather	0.97	0.82	0.9	0.92	0.909	0.725	0.77	0.747	0.837	0.77	0.8
Traffic	0.78	0.613	0.704	0.78	0.738	0.564	0.46	0.506	0.569	0.62	0.592
Random forest (RandomForest; #trees=120) All	0.97	0.832	0.885	0.94	0.911	0.766	0.75	0.758	0.844	0.81	0.826
Weather	0.97	0.826	0.9	0.92	0.909	0.74	0.77	0.755	0.841	0.79	0.813
Traffic	0.78	0.614	0.717	0.78	0.745	0.548	0.48	0.511	0.571	0.6	0.583