

Date:11/28/17

### Task 1: Results

Group No.	Decision Tree				SVM				Neural Network			
	Precision	Recall	F1	AUC	Precision	Recall	F1	AUC	Precision	Recall	F1	AUC
1	0.65625	0.617647	0.636364	0.585294	1	0.264706	0.418605	0.7	0.9	0.529412	0.666667	0.732353
2	0.925926	0.925926	0.925926	0.945419	0.96	0.888889	0.923077	0.97271	0.952381	0.740741	0.833333	0.892788
3	0.846154	0.88	0.862745	0.888718	1	0.72	0.837209	0.869744	0.807692	0.84	0.823529	0.895385
4	0.8	0.965517	0.875	0.914286	0.952381	0.689655	0.8	0.944828	0.857143	0.62069	0.72	0.858128
5	0.647059	0.6875	0.666667	0.697266	0.740741	0.625	0.677966	0.786133	0.666667	0.75	0.705882	0.782227
6	0.966667	0.966667	0.966667	0.968627	1	0.9	0.947368	0.987255	1	0.833333	0.909091	0.978431
7	0.689655	0.625	0.655738	0.730957	1	0.5	0.666667	0.758789	0.85	0.53125	0.653846	0.773438
8	0.892857	0.78125	0.833333	0.845215	0.954545	0.65625	0.777778	0.888672	0.956522	0.6875	0.8	0.892578
9	0.735294	0.757576	0.746269	0.737048	0.875	0.424242	0.571429	0.856305	1	0.545455	0.705882	0.879765
10	0.703704	0.655172	0.678571	0.759113	0.607143	0.586207	0.596491	0.697537	0.62963	0.586207	0.607143	0.755665
11	0.823529	0.8	0.811594	0.848768	1	0.685714	0.813559	0.912315	0.911765	0.885714	0.898551	0.949754
12	0.764706	0.83871	0.8	0.815054	0.952381	0.645161	0.769231	0.753763	0.8	0.387097	0.521739	0.607527
13	0.576923	0.5	0.535714	0.513235	0.75	0.5	0.6	0.647549	0.846154	0.733333	0.785714	0.894608
14	0.818182	0.818182	0.818182	0.83089	1	0.666667	0.8	0.886608	0.814815	0.666667	0.733333	0.802542
15	0.878788	0.90625	0.892308	0.90918	0.954545	0.65625	0.777778	0.964844	0.9	0.84375	0.870968	0.943359
16	0.740741	0.526316	0.615385	0.637652	0.705882	0.315789	0.436364	0.624494	0.619048	0.342105	0.440678	0.484818
17	1	0.828571	0.90625	0.914286	1	0.714286	0.833333	0.901478	1	0.742857	0.852459	0.933005
18	0.783784	0.878788	0.828571	0.823069	1	0.727273	0.842105	0.936461	0.8	0.848485	0.823529	0.899316
19	0.714286	0.78125	0.746269	0.77002	0.896552	0.8125	0.852459	0.917969	0.794118	0.84375	0.818182	0.892578
20	0.933333	0.903226	0.918033	0.938508	1	0.741935	0.851852	0.967742	0.92	0.741935	0.821429	0.947581
21	0.833333	0.857143	0.84507	0.868473	0.933333	0.8	0.861538	0.889655	0.964286	0.771429	0.857143	0.923153
22	0.782609	0.580645	0.666667	0.818311	0.92	0.741935	0.821429	0.908918	0.888889	0.774194	0.827586	0.885199
23	0.96	0.75	0.842105	0.881836	1	0.6875	0.814815	0.938477	0.958333	0.71875	0.821429	0.932617
24	0.75	0.870968	0.80597	0.892962	0.931034	0.870968	0.9	0.904203	0.84375	0.870968	0.857143	0.893451
25	0.543478	0.862069	0.666667	0.710345	0.678571	0.655172	0.666667	0.780296	0.453125	1	0.623656	0.608867
26	0.8125	0.764706	0.787879	0.811765	0.952381	0.588235	0.727273	0.785294	0.684211	0.764706	0.722222	0.733333

Date:11/28/17

27	0.84	0.807692	0.823529	0.791209	0.947368	0.692308	0.8	0.942308	0.909091	0.769231	0.833333	0.825549
28	0.742857	0.83871	0.787879	0.816716	0.862069	0.806452	0.833333	0.886608	0.714286	0.806452	0.757576	0.831867
29	0.92	0.851852	0.884615	0.887888	1	0.814815	0.897959	0.987988	0.952381	0.740741	0.833333	0.837838
30	0.758621	0.709677	0.733333	0.762903	0.869565	0.645161	0.740741	0.795699	0.666667	0.645161	0.655738	0.774194
31	0.571429	0.347826	0.432432	0.485822	0.619048	0.565217	0.590909	0.672968	0.7	0.608696	0.651163	0.659735
32	0.8	0.888889	0.842105	0.798611	0.931034	0.75	0.830769	0.888889	0.928571	0.722222	0.8125	0.871032
33	0.896552	0.742857	0.8125	0.829557	1	0.6	0.75	0.940887	0.8	0.8	0.8	0.870936
Average	<b>0.791188</b>	<b>0.77323</b>	<b>0.777283</b>	<b>0.800879</b>	<b>0.908896</b>	<b>0.664797</b>	<b>0.758446</b>	<b>0.857496</b>	<b>0.833016</b>	<b>0.717965</b>	<b>0.758933</b>	<b>0.831625</b>

Date:11/28/17

## Task 2: Results

Group No.	Decision Tree				SVM				Neural Network			
	Precision	Recall	F1	AUC	Precision	Recall	F1	AUC	Precision	Recall	F1	AUC
11	0.767442	0.825	0.795181	0.830625	0.927536	0.8	0.85906	0.951875	0.822222	0.925	0.870588	0.947031
12	0.743243	0.723684	0.733333	0.786011	0.893617	0.552632	0.682927	0.864266	0.75	0.631579	0.685714	0.832064
13	0.618182	0.85	0.715789	0.788438	0.77907	0.8375	0.807229	0.827734	0.636364	0.875	0.736842	0.828203
14	0.74026	0.7125	0.726115	0.755313	0.927273	0.6375	0.755556	0.850156	0.826087	0.7125	0.765101	0.830313
15	0.8875	0.8875	0.8875	0.933594	0.969697	0.8	0.876712	0.970313	0.911392	0.9	0.90566	0.977188
16	0.626667	0.5875	0.606452	0.673438	0.777778	0.4375	0.56	0.661094	0.689655	0.5	0.57971	0.698438
17	0.802469	0.8125	0.807453	0.867813	1	0.6625	0.796992	0.955	1	0.7375	0.848921	0.951875
18	0.654206	0.875	0.748663	0.764297	0.776316	0.7375	0.75641	0.798906	0.683673	0.8375	0.752809	0.840313
19	0.625	0.75	0.681818	0.687109	0.662651	0.6875	0.674847	0.758438	0.674157	0.75	0.710059	0.80125
20	0.684685	0.962025	0.8	0.749239	0.764045	0.860759	0.809524	0.842493	0.768421	0.924051	0.83908	0.91636
21	0.514085	0.9125	0.657658	0.473203	0.577586	0.8375	0.683673	0.771406	0.549618	0.9	0.682464	0.734219
22	0.561404	0.790123	0.65641	0.648453	0.60396	0.753086	0.67033	0.752782	0.586207	0.839506	0.690355	0.765585
23	0.757895	0.9	0.822857	0.823906	0.910256	0.8875	0.898734	0.964844	0.869048	0.9125	0.890244	0.955313
24	0.795181	0.825	0.809816	0.851094	0.850746	0.7125	0.77551	0.889063	0.863014	0.7875	0.823529	0.898281
25	0.568182	0.625	0.595238	0.604297	0.708333	0.6375	0.671053	0.700781	0.666667	0.625	0.645161	0.719688
26	0.663043	0.7625	0.709302	0.726719	0.77027	0.7125	0.74026	0.813281	0.77381	0.8125	0.792683	0.850313
27	0.649485	0.926471	0.763636	0.867539	0.935484	0.852941	0.892308	0.932093	0.935484	0.852941	0.892308	0.935121
28	0.670213	0.7875	0.724138	0.722109	0.7625	0.7625	0.7625	0.841875	0.764706	0.8125	0.787879	0.852813
29	0.778947	0.925	0.845714	0.915781	0.930556	0.8375	0.881579	0.961563	0.934211	0.8875	0.910256	0.959531
30	0.677419	0.828947	0.745562	0.728705	0.662651	0.723684	0.691824	0.784453	0.659341	0.789474	0.718563	0.786877
31	0.619048	0.45614	0.525253	0.599415	0.733333	0.192982	0.305556	0.524777	0.538462	0.245614	0.337349	0.532472
32	0.674157	0.75	0.710059	0.756563	0.830769	0.675	0.744828	0.842344	0.859375	0.6875	0.763889	0.840469
33	0.657658	0.9125	0.764398	0.777188	0.825	0.825	0.825	0.904844	0.742268	0.9	0.813559	0.906563
Average	0.68419	0.799452	0.731841	0.753515	0.807801	0.714069	0.744453	0.833234	0.761051	0.775898	0.758379	0.841751