CS2006: Python 2 Mini Report
Data Analysis
Analysing Crawdad's Taxicrabs

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1 Introduction

In order to prove the usefulness of the statistics generated by our program, we decided to use it to analyse whether the cabs which proved to be most efficient were the ones which moved the fastest, ones which covered the most distance - or both.

2 Methodology

Using the statistics we were storing, we compared average efficiencies of a particular cab with their average speeds and average distances covered, using the epfl/cabspotting dataset from Crawdad.

We evaluated whether the cabs - 536 of them in the San Francisco area, all included in this data set - which covered both more than average distance and had a higher than average speed were more efficient, or whether those which covered either more than average distance or speed, and then average distance and speed individually, were better.

3 Results

The table below charts how many (and what percentage) of the cabs had a higher than average efficiency and then both higher than average distance and speed, either higher than average distance or speed, just higher than average speed or just higher than average distance.

The full results

Effiency and...	Both	Either	Just Speed	Just Distance
Count	308	378	177	217
Percentage	57	71	33	40

4 Discussion

From our dataset, we found that having both a high average distance and a high average speed did result in particularly high efficiency with high confidence.

Indeed, just 308 - 57% - of the cabs involved in the calculation proved to have higher than average efficiency with higher than average speed and distance.

By contrast, having *either* higher than average speed *or* higher than average distance travelled, but not both, resulted in greater than average efficiency. 71% of cabs evaluated proved to have higher than average efficiency in this case, at 378.

However, having either speed nor distance proved to be particularly better, as both results for just one of the conditions proved to provide less than 50% of cabs at greater than average efficiency. One or other seems ideal, but there is no reason to particularly focus on a specific statistic.

5   Appendix: Table of Results

Also attached with this report are a set of PDFs, graphing each of the first columns of the table below, generated using our program.

Speed (km/h)	Efficiency (%)	Distance (km)	Both	1 Or Other	Just Speed	Just Distance
11.4020354	36.77219152	1189.059046	FALSE	FALSE	FALSE	FALSE
5.798714407	10.77498644	3173.991689	TRUE	TRUE	FALSE	FALSE
13.44225043	36.47289345	7519.63451	FALSE	FALSE	FALSE	FALSE
14.45558483	27.53378148	7939.306668	TRUE	TRUE	FALSE	FALSE
21.42128831	26.31950606	11990.86134	FALSE	FALSE	FALSE	FALSE
18.45885697	36.54535123	10331.81507	TRUE	TRUE	TRUE	TRUE
16.82077942	25.16579319	9258.608281	FALSE	FALSE	FALSE	FALSE
17.31186519	26.03586868	2839.835829	FALSE	FALSE	FALSE	FALSE
23.74297614	32.05515057	2806.461597	FALSE	TRUE	TRUE	FALSE
16.30474765	27.1969997	2801.724025	FALSE	FALSE	FALSE	FALSE
13.73777303	29.1606317	7690.629009	TRUE	TRUE	FALSE	FALSE
10.71014058	24.84273484	5995.856846	TRUE	TRUE	FALSE	FALSE
20.53832673	33.52836599	11497.98635	TRUE	TRUE	TRUE	TRUE
17.51602152	35.74115223	9805.350189	TRUE	TRUE	TRUE	TRUE
17.13428822	35.33740079	9178.645642	TRUE	TRUE	TRUE	TRUE
15.80701254	32.83435561	8775.032926	FALSE	TRUE	FALSE	TRUE
16.46968001	40.92192163	510.5284644	FALSE	TRUE	TRUE	FALSE
15.75206167	31.40337669	8816.492854	FALSE	TRUE	FALSE	TRUE
17.10812958	36.69252213	9558.267367	TRUE	TRUE	TRUE	TRUE
28.99265787	34.10931099	16231.70551	TRUE	TRUE	TRUE	TRUE
15.05568486	30.59400537	8428.973731	FALSE	FALSE	FALSE	FALSE
16.12264186	39.88070509	1207.336045	FALSE	TRUE	TRUE	FALSE
15.010256	27.7414817	8358.446892	TRUE	TRUE	FALSE	FALSE
15.93465512	31.79886549	8921.143318	FALSE	TRUE	FALSE	TRUE
21.23946003	29.90437114	11828.22936	TRUE	TRUE	TRUE	TRUE
16.42498084	35.96768459	1629.856715	FALSE	TRUE	TRUE	FALSE
17.22552595	32.59117799	9643.818902	TRUE	TRUE	TRUE	TRUE
19.39193311	33.4789937	10856.36159	TRUE	TRUE	TRUE	TRUE
19.14046845	19.09331642	10545.01355	FALSE	FALSE	FALSE	FALSE
19.04848915	35.19597225	10665.13591	TRUE	TRUE	TRUE	TRUE
17.41488661	35.59363575	9750.269028	TRUE	TRUE	TRUE	TRUE
17.22031214	31.25995396	9548.024956	TRUE	TRUE	TRUE	TRUE

13.92876892	24.9815686	7798.499551	TRUE	TRUE	FALSE	FALSE
16.43035603	31.10944764	9127.220686	TRUE	TRUE	TRUE	TRUE
15.91132315	33.57136652	8750.509884	FALSE	TRUE	FALSE	TRUE
14.93621391	24.68235564	8244.497951	TRUE	TRUE	FALSE	FALSE
21.38816624	37.22329492	11975.50527	TRUE	TRUE	TRUE	TRUE
15.70737574	29.91904459	8774.788492	FALSE	TRUE	FALSE	TRUE
8.030100739	15.43597092	3710.948962	TRUE	TRUE	FALSE	FALSE
16.56221564	32.49013206	9224.140155	TRUE	TRUE	TRUE	TRUE
19.85728308	25.79037633	11118.52642	FALSE	FALSE	FALSE	FALSE
16.06504674	27.57320417	8994.170873	FALSE	FALSE	FALSE	FALSE
15.91791904	42.3682213	8912.671084	FALSE	TRUE	FALSE	TRUE
14.24463253	27.69641061	7976.320019	TRUE	TRUE	FALSE	FALSE
14.57314869	33.3725649	8106.883131	FALSE	FALSE	FALSE	FALSE
15.79028132	29.1803064	8841.963707	FALSE	FALSE	FALSE	FALSE
18.51097594	36.75552275	10365.35267	TRUE	TRUE	TRUE	TRUE
13.70935352	24.58256881	7633.53409	TRUE	TRUE	FALSE	FALSE
18.35235147	34.39172363	10276.61134	TRUE	TRUE	TRUE	TRUE
17.72663222	35.82389204	7539.383995	FALSE	TRUE	TRUE	FALSE
17.26011816	28.48742437	9617.834572	FALSE	FALSE	FALSE	FALSE
7.074447983	14.31274176	3961.572202	TRUE	TRUE	FALSE	FALSE
15.6452534	26.49175798	8757.972142	FALSE	FALSE	FALSE	FALSE
17.68039731	36.05438653	9858.838074	TRUE	TRUE	TRUE	TRUE
17.13626551	36.40177762	9596.083119	TRUE	TRUE	TRUE	TRUE
18.82169463	35.22382015	8493.861147	FALSE	TRUE	TRUE	FALSE
12.87647149	31.24979539	7210.808343	FALSE	FALSE	FALSE	FALSE
14.63265712	32.84454103	8193.973439	FALSE	FALSE	FALSE	FALSE
16.55822247	37.37261884	9225.204852	TRUE	TRUE	TRUE	TRUE
14.47492731	32.96331755	8059.400702	FALSE	FALSE	FALSE	FALSE
17.10995504	31.83385377	9529.439857	TRUE	TRUE	TRUE	TRUE
15.06003933	30.3934645	8433.900688	FALSE	FALSE	FALSE	FALSE
17.83492228	36.49124634	9987.638777	TRUE	TRUE	TRUE	TRUE
19.49015671	33.57825351	10914.66432	TRUE	TRUE	TRUE	TRUE
17.53657606	25.89826287	9817.518974	FALSE	FALSE	FALSE	FALSE
16.87437579	34.2864773	9425.372941	TRUE	TRUE	TRUE	TRUE
14.47744412	30.15031086	8107.998527	FALSE	FALSE	FALSE	FALSE
16.41239746	33.94303547	9186.267832	TRUE	TRUE	TRUE	TRUE
15.99111893	31.64338413	8955.811111	FALSE	TRUE	FALSE	TRUE
17.01575975	23.04779721	9459.791584	FALSE	FALSE	FALSE	FALSE
13.93785438	32.83495314	7751.334845	FALSE	FALSE	FALSE	FALSE
17.58101484	35.13507201	9827.834224	TRUE	TRUE	TRUE	TRUE
15.18806737	30.20764567	8506.062841	FALSE	FALSE	FALSE	FALSE
17.66282706	36.96487577	9820.726145	TRUE	TRUE	TRUE	TRUE
17.25115329	31.053476	9662.21097	TRUE	TRUE	TRUE	TRUE
21.30206075	25.17135687	11930.70205	FALSE	FALSE	FALSE	FALSE
17.71706859	36.94952029	9880.511927	TRUE	TRUE	TRUE	TRUE
15.39581813	33.76818218	8571.62005	FALSE	FALSE	FALSE	FALSE
16.51698698	35.47329266	9250.896525	TRUE	TRUE	TRUE	TRUE
13.55482472	24.27037907	606.1044724	TRUE	TRUE	FALSE	FALSE
17.32071021	37.14916584	4639.076886	FALSE	TRUE	TRUE	FALSE
15.57169601	33.78742762	8704.083278	FALSE	TRUE	FALSE	TRUE

15.05299683	31.40237755	8378.42111	FALSE	FALSE	FALSE	FALSE
14.29713088	31.0807299	8007.900896	FALSE	FALSE	FALSE	FALSE
20.07286957	26.7598202	11243.35852	FALSE	FALSE	FALSE	FALSE
12.5923194	18.43929248	7053.12464	TRUE	TRUE	FALSE	FALSE
20.43275429	21.81984385	11443.2086	FALSE	FALSE	FALSE	FALSE
21.6865223	43.47646043	12146.95013	TRUE	TRUE	TRUE	TRUE
17.14878818	33.57969496	9602.071487	TRUE	TRUE	TRUE	TRUE
16.00818488	29.85531022	8966.600621	FALSE	TRUE	FALSE	TRUE
15.75179938	32.01884082	8787.782763	FALSE	TRUE	FALSE	TRUE
18.47113087	31.69508865	10316.69411	TRUE	TRUE	TRUE	TRUE
14.48069118	32.80304686	7820.766106	FALSE	FALSE	FALSE	FALSE
14.45508653	31.91836172	8097.079413	FALSE	FALSE	FALSE	FALSE
12.51053782	30.06452455	2448.376762	FALSE	FALSE	FALSE	FALSE
16.161129	34.50541189	9016.750001	TRUE	TRUE	TRUE	TRUE
16.59127497	34.24482327	9267.709263	TRUE	TRUE	TRUE	TRUE
13.20871295	27.50857656	7398.873817	TRUE	TRUE	FALSE	FALSE
10.50085026	16.17723426	5881.002976	TRUE	TRUE	FALSE	FALSE
11.948473	26.19244012	6655.357888	TRUE	TRUE	FALSE	FALSE
16.51786731	35.29335375	9221.684928	TRUE	TRUE	TRUE	TRUE
16.75254585	35.10781885	9384.765081	TRUE	TRUE	TRUE	TRUE
14.22717249	31.39252294	7969.787813	FALSE	FALSE	FALSE	FALSE
13.45418677	27.16460476	7514.16185	TRUE	TRUE	FALSE	FALSE
14.4331884	29.55149485	7995.110741	TRUE	TRUE	FALSE	FALSE
0.049525576	0.137632955	11.39488111	TRUE	TRUE	FALSE	FALSE
17.05997949	32.08567907	9484.071945	TRUE	TRUE	TRUE	TRUE
15.34054226	28.77305718	8562.381646	TRUE	TRUE	FALSE	FALSE
19.25717822	30.03281199	10787.45728	TRUE	TRUE	TRUE	TRUE
16.75678115	36.36235621	9387.579886	TRUE	TRUE	TRUE	TRUE
15.593974	36.58080643	8735.781542	FALSE	TRUE	FALSE	TRUE
18.07171578	30.54306251	9896.988085	TRUE	TRUE	TRUE	TRUE
15.96661038	29.77695029	8944.923632	FALSE	TRUE	FALSE	TRUE
15.81011867	31.897812	8840.994693	FALSE	TRUE	FALSE	TRUE
16.33594173	44.6860761	306.734778	FALSE	TRUE	TRUE	FALSE
11.39963976	26.42740264	1451.396963	TRUE	TRUE	FALSE	FALSE
17.80320482	38.6747255	9905.196773	TRUE	TRUE	TRUE	TRUE
13.74086486	30.12794561	7655.561038	FALSE	FALSE	FALSE	FALSE
15.65285137	32.57528317	8769.451778	FALSE	TRUE	FALSE	TRUE
9.82882411	23.7105494	5506.141704	TRUE	TRUE	FALSE	FALSE
19.92106008	34.99225157	11155.20494	TRUE	TRUE	TRUE	TRUE
16.92537512	32.01734768	9481.217205	TRUE	TRUE	TRUE	TRUE
11.52871535	25.51331441	6442.41141	TRUE	TRUE	FALSE	FALSE
19.64887375	32.69263569	11008.37766	TRUE	TRUE	TRUE	TRUE
15.87658988	36.66030312	8783.077675	FALSE	TRUE	FALSE	TRUE
9.263632186	21.95119512	4631.884129	TRUE	TRUE	FALSE	FALSE
17.49272678	27.54289725	9761.289487	FALSE	FALSE	FALSE	FALSE
18.76073485	34.36459318	1726.056734	FALSE	TRUE	TRUE	FALSE
16.4629003	34.5876982	9223.607934	TRUE	TRUE	TRUE	TRUE
19.68848838	27.47650728	11025.25605	FALSE	FALSE	FALSE	FALSE
14.83803276	31.67758976	8296.993538	FALSE	FALSE	FALSE	FALSE
19.29579236	30.30618784	10781.76308	TRUE	TRUE	TRUE	TRUE

10.12918713	16.27990681	5675.323372	TRUE	TRUE	FALSE	FALSE
10.08687078	25.17927045	5520.73652	TRUE	TRUE	FALSE	FALSE
15.55230887	33.93637771	8664.854855	FALSE	TRUE	FALSE	TRUE
9.902064702	15.74290078	5210.297328	TRUE	TRUE	FALSE	FALSE
15.60509926	32.18219607	1655.997119	FALSE	FALSE	FALSE	FALSE
16.17050715	35.30785679	9059.951619	TRUE	TRUE	TRUE	TRUE
20.60875763	28.32746894	11515.57616	FALSE	FALSE	FALSE	FALSE
17.34469239	34.64866484	9717.400594	TRUE	TRUE	TRUE	TRUE
13.1756583	26.50044122	7382.546845	TRUE	TRUE	FALSE	FALSE
17.15251166	25.34811443	9610.564736	FALSE	FALSE	FALSE	FALSE
19.21045987	34.35279805	10763.93344	TRUE	TRUE	TRUE	TRUE
16.11094286	39.32556106	9016.236821	TRUE	TRUE	TRUE	TRUE
10.40912589	19.5043861	1180.340884	TRUE	TRUE	FALSE	FALSE
9.667742844	21.23309777	5416.934641	TRUE	TRUE	FALSE	FALSE
21.77969884	26.76721131	12203.58037	FALSE	FALSE	FALSE	FALSE
16.16408067	32.71246244	9005.784338	TRUE	TRUE	TRUE	TRUE
17.22100766	31.10622233	9634.845775	TRUE	TRUE	TRUE	TRUE
15.60050512	32.28575111	8741.836708	FALSE	TRUE	FALSE	TRUE
17.86980389	32.55120829	10012.82645	TRUE	TRUE	TRUE	TRUE
15.15580748	29.58045603	8424.737015	TRUE	TRUE	FALSE	FALSE
14.68881646	24.01138822	8217.628218	TRUE	TRUE	FALSE	FALSE
17.17354848	24.50551821	9555.207825	FALSE	FALSE	FALSE	FALSE
15.04438999	20.65212617	8277.434171	TRUE	TRUE	FALSE	FALSE
18.05147763	27.66777395	10115.11848	FALSE	FALSE	FALSE	FALSE
19.23329605	29.67863548	10503.81358	TRUE	TRUE	TRUE	TRUE
12.83407904	20.96555437	7191.603335	TRUE	TRUE	FALSE	FALSE
17.65741246	32.5917426	9890.935027	TRUE	TRUE	TRUE	TRUE
16.72310545	34.74607778	9371.217715	TRUE	TRUE	TRUE	TRUE
14.18737345	33.45620138	7897.829428	FALSE	FALSE	FALSE	FALSE
17.03407763	28.0472449	9540.922271	FALSE	FALSE	FALSE	FALSE
15.1509918	32.03762508	8490.361666	FALSE	FALSE	FALSE	FALSE
15.90177523	34.50029095	8911.865527	FALSE	TRUE	FALSE	TRUE
19.07010252	26.77889034	10673.778	FALSE	FALSE	FALSE	FALSE
15.27091234	32.77508689	8558.114573	FALSE	FALSE	FALSE	FALSE
15.99891313	32.70924826	8965.886976	FALSE	TRUE	FALSE	TRUE
13.18215672	28.29769799	7270.437609	TRUE	TRUE	FALSE	FALSE
16.09186984	33.5874427	9018.177152	TRUE	TRUE	TRUE	TRUE
16.75892927	21.33557482	9215.751889	FALSE	FALSE	FALSE	FALSE
19.32619899	33.05407807	10830.781	TRUE	TRUE	TRUE	TRUE
16.70860678	31.58891627	9196.359549	TRUE	TRUE	TRUE	TRUE
17.67408576	33.60324529	9904.604859	TRUE	TRUE	TRUE	TRUE
18.61206471	34.95320117	10430.89185	TRUE	TRUE	TRUE	TRUE
15.35546758	33.80418728	8605.637458	FALSE	FALSE	FALSE	FALSE
18.67301767	32.07357056	10465.48267	TRUE	TRUE	TRUE	TRUE
15.71633811	34.89986547	8807.20718	FALSE	TRUE	FALSE	TRUE
16.58680588	31.95124259	9107.283321	TRUE	TRUE	TRUE	TRUE
19.76350909	34.61124777	10881.95053	TRUE	TRUE	TRUE	TRUE
12.12392399	37.17210163	6793.710228	FALSE	FALSE	FALSE	FALSE
20.07030444	26.87557274	11248.9519	FALSE	FALSE	FALSE	FALSE
12.7929887	26.84683948	7123.809887	TRUE	TRUE	FALSE	FALSE

15.87167329	44.55937012	8888.095657	FALSE	TRUE	FALSE	TRUE
15.67350536	35.75621866	8784.471272	FALSE	TRUE	FALSE	TRUE
17.28190547	38.55229253	9653.939346	TRUE	TRUE	TRUE	TRUE
17.66534756	30.60537217	9901.111362	TRUE	TRUE	TRUE	TRUE
12.93089661	31.85006622	7241.631169	FALSE	FALSE	FALSE	FALSE
14.50686511	30.81321184	8131.209173	FALSE	FALSE	FALSE	FALSE
15.5384297	31.00603695	8660.424099	FALSE	TRUE	FALSE	TRUE
18.14220314	33.06725977	10169.03049	TRUE	TRUE	TRUE	TRUE
15.91352623	30.03550131	8752.123738	FALSE	TRUE	FALSE	TRUE
13.55663364	31.99201333	7598.736477	FALSE	FALSE	FALSE	FALSE
13.00497487	32.86756437	6925.833806	FALSE	FALSE	FALSE	FALSE
14.05364252	32.0070251	7877.490642	FALSE	FALSE	FALSE	FALSE
25.17787163	32.49320679	14030.00951	TRUE	TRUE	TRUE	TRUE
15.83286485	31.18291879	8875.132688	FALSE	TRUE	FALSE	TRUE
19.53865066	28.51832067	10952.47537	FALSE	FALSE	FALSE	FALSE
18.87457518	39.85789708	10580.12012	TRUE	TRUE	TRUE	TRUE
13.81356392	29.81747327	7743.088177	FALSE	FALSE	FALSE	FALSE
7.474265691	15.57234599	1199.433746	TRUE	TRUE	FALSE	FALSE
13.80559486	29.7115741	7738.763067	FALSE	FALSE	FALSE	FALSE
12.94600205	25.04640576	7133.216875	TRUE	TRUE	FALSE	FALSE
27.50037203	26.75720747	9037.798246	FALSE	FALSE	FALSE	FALSE
14.64668351	30.50145391	8210.335203	FALSE	FALSE	FALSE	FALSE
19.1256619	27.20192017	10721.84933	FALSE	FALSE	FALSE	FALSE
13.01327519	19.98986561	7155.130969	TRUE	TRUE	FALSE	FALSE
16.09257766	33.13966937	8928.142406	TRUE	TRUE	TRUE	TRUE
16.35104782	32.67874337	9160.618281	TRUE	TRUE	TRUE	TRUE
15.95637194	32.88687844	8944.976406	FALSE	TRUE	FALSE	TRUE
17.04453703	27.28351591	9550.975513	FALSE	FALSE	FALSE	FALSE
16.3196129	34.60317224	9148.646315	TRUE	TRUE	TRUE	TRUE
17.46590601	33.33237531	9790.861064	TRUE	TRUE	TRUE	TRUE
11.10663415	27.80818219	6226.399513	TRUE	TRUE	FALSE	FALSE
5.840046415	11.78547807	3124.780979	TRUE	TRUE	FALSE	FALSE
19.54846871	28.87723775	10883.02678	FALSE	FALSE	FALSE	FALSE
15.67962765	34.94474511	8724.72237	FALSE	TRUE	FALSE	TRUE
12.43699551	21.44565435	1415.628327	TRUE	TRUE	FALSE	FALSE
13.54710825	28.10583719	7594.785901	TRUE	TRUE	FALSE	FALSE
16.48040134	32.5722594	9111.989146	TRUE	TRUE	TRUE	TRUE
14.00865491	31.27052869	2930.978733	FALSE	FALSE	FALSE	FALSE
11.50537337	21.12033475	6443.257135	TRUE	TRUE	FALSE	FALSE
15.60001552	31.4725539	8692.937935	FALSE	TRUE	FALSE	TRUE
13.31683846	27.33208414	7460.280132	TRUE	TRUE	FALSE	FALSE
19.8848835	28.52751677	11146.62397	FALSE	FALSE	FALSE	FALSE
13.94844658	30.88917601	7601.85135	FALSE	FALSE	FALSE	FALSE
17.27796868	28.63419203	7497.209376	FALSE	FALSE	FALSE	FALSE
13.22724174	28.0701493	7399.457222	TRUE	TRUE	FALSE	FALSE
17.64939042	32.87210124	9895.246514	TRUE	TRUE	TRUE	TRUE
14.54654596	20.47524837	8124.640326	TRUE	TRUE	FALSE	FALSE
15.97914579	36.96411207	8795.821046	FALSE	TRUE	FALSE	TRUE
19.53619405	40.57336113	10952.99766	TRUE	TRUE	TRUE	TRUE
20.70377163	34.20576759	11608.22297	TRUE	TRUE	TRUE	TRUE

9.843373458	23.29475564	4863.581905	TRUE	TRUE	FALSE	FALSE
14.43850382	34.54834475	8041.017769	FALSE	FALSE	FALSE	FALSE
14.68687471	30.94406703	8234.512948	FALSE	FALSE	FALSE	FALSE
16.49523685	36.93281208	9188.862318	TRUE	TRUE	TRUE	TRUE
24.63452387	28.37507552	13693.61058	FALSE	FALSE	FALSE	FALSE
15.73189123	31.73281013	8820.091875	FALSE	TRUE	FALSE	TRUE
18.48279948	20.61380016	10198.46779	FALSE	FALSE	FALSE	FALSE
13.6520678	31.97667477	7654.974619	FALSE	FALSE	FALSE	FALSE
16.26844039	30.18659351	8891.337931	TRUE	TRUE	TRUE	TRUE
24.92342635	28.15552834	13975.24096	FALSE	FALSE	FALSE	FALSE
16.45776231	34.09820846	9227.979858	TRUE	TRUE	TRUE	TRUE
15.63739169	36.43389614	8767.171475	FALSE	TRUE	FALSE	TRUE
11.45817002	27.29260654	6391.216393	TRUE	TRUE	FALSE	FALSE
16.7939043	28.94285588	9148.948519	FALSE	FALSE	FALSE	FALSE
12.55622292	25.6022927	4258.369676	TRUE	TRUE	FALSE	FALSE
17.88634885	24.808342	10029.77814	FALSE	FALSE	FALSE	FALSE
17.12061689	26.87524335	9600.384093	FALSE	FALSE	FALSE	FALSE
16.73890073	22.25398607	9386.425141	FALSE	FALSE	FALSE	FALSE
20.06016755	34.99392599	11247.27687	TRUE	TRUE	TRUE	TRUE
17.70179843	33.70676925	9926.443845	TRUE	TRUE	TRUE	TRUE
13.65035943	31.35382099	7654.365545	FALSE	FALSE	FALSE	FALSE
15.30040524	35.81040275	8578.633823	FALSE	FALSE	FALSE	FALSE
18.97696986	20.57650107	10641.5025	FALSE	FALSE	FALSE	FALSE
15.55309256	21.84402995	8721.770855	FALSE	FALSE	FALSE	FALSE
18.79465405	25.43236038	10539.64321	FALSE	FALSE	FALSE	FALSE
17.17048802	24.54445562	9492.955144	FALSE	FALSE	FALSE	FALSE
13.58519448	31.02648719	7567.797136	FALSE	FALSE	FALSE	FALSE
19.11484517	28.8614896	10719.11995	FALSE	FALSE	FALSE	FALSE
14.74619341	31.77395032	8222.28331	FALSE	FALSE	FALSE	FALSE
13.45075481	28.84096614	1196.684722	TRUE	TRUE	FALSE	FALSE
13.44946262	31.76677615	7487.953206	FALSE	FALSE	FALSE	FALSE
17.67424708	28.12898716	9762.157257	FALSE	FALSE	FALSE	FALSE
14.33592757	31.38554844	7994.798788	FALSE	FALSE	FALSE	FALSE
14.18091871	29.57015371	7952.866474	TRUE	TRUE	FALSE	FALSE
15.37749377	32.80183277	8565.552803	FALSE	FALSE	FALSE	FALSE
15.39568506	30.12728863	8563.672775	FALSE	FALSE	FALSE	FALSE
13.48907374	23.78166869	7564.940893	TRUE	TRUE	FALSE	FALSE
16.70132229	25.3983566	9219.26254	FALSE	FALSE	FALSE	FALSE
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			308 Cabs	378 Cabs	177 Cabs	217 Cabs
			57%	71%	33%	40%