

HW5_ML

Mike Jaron

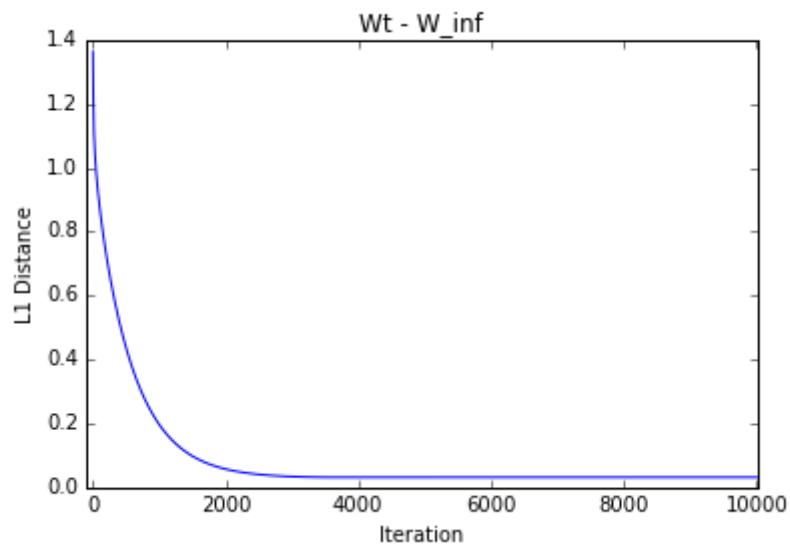
4/19/2017

1.

a)

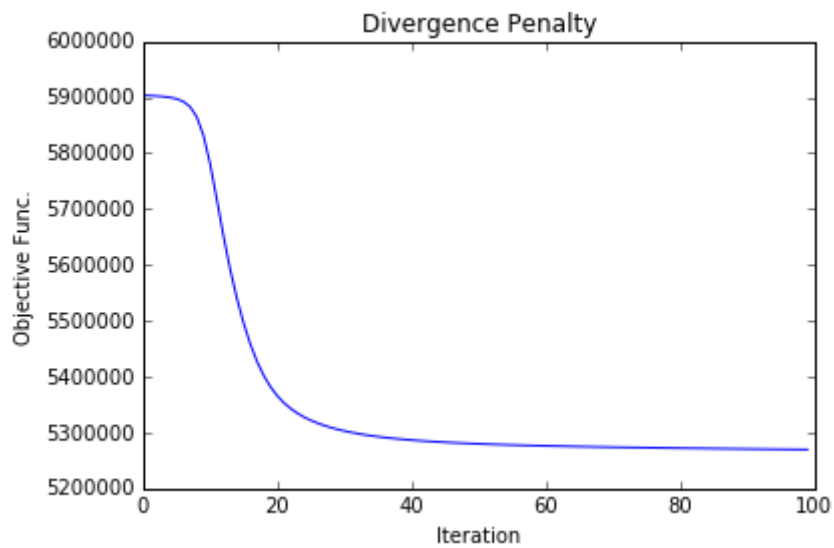
	t_10	Team_10	Value_10	t_100	Team_100	Value_100	t_1000	Team_1000	Value_1000	t_10000	Team_10000	Value_10000
0	10	Alabama	0.00682702637434	100	Alabama	0.0180351211501	1000	Alabama	0.0310462725199	10000	Alabama	0.0322079007809
1	10	Clemson	0.00606384677625	100	Clemson	0.0164651086817	1000	Clemson	0.0285405848186	10000	Clemson	0.029618118698
2	10	UW-Oshkosh	0.00582981143475	100	NW Missouri St	0.0102863533766	1000	Florida St	0.0150236693929	10000	Florida St	0.0155849589411
3	10	Mary Hardin-Baylor	0.0054623796808	100	Florida St	0.00877700930522	1000	Ohio State	0.01488214117	10000	Ohio State	0.0154383945946
4	10	UW-Whitewater	0.00501885987169	100	Ohio State	0.00866447482499	1000	Michigan	0.0127000119745	10000	Pittsburgh	0.0131761668276
5	10	NW Missouri St	0.00462696718687	100	Michigan	0.00740367409736	1000	Pittsburgh	0.0126997661604	10000	Michigan	0.0131740295978
6	10	North Alabama	0.00446012440709	100	Pittsburgh	0.00738478483404	1000	Penn State	0.0118036233913	10000	Penn State	0.0122443448945
7	10	California PA	0.00437882723419	100	Washington	0.00695249270189	1000	Washington	0.011696447671	10000	Washington	0.0121214267632
8	10	Morningside	0.00422979950108	100	Penn State	0.00688412513217	1000	Southern Cal	0.0114805631325	10000	Wisconsin	0.0119077763328
9	10	Mount Union	0.00421557169855	100	Southern Cal	0.00677272989433	1000	Wisconsin	0.0114804741806	10000	Southern Cal	0.0119021659049
10	10	St Thomas	0.00419000763734	100	Wisconsin	0.00671654753307	1000	Auburn	0.0113280673541	10000	Auburn	0.0117500957762
11	10	John Carroll	0.00404450552225	100	UW-Oshkosh	0.00665741101962	1000	Oklahoma	0.01126915648	10000	Oklahoma	0.0116844307122
12	10	Florida St	0.00396878022922	100	Oklahoma	0.00663320742573	1000	Florida	0.011183082422	10000	Florida	0.0116005207594
13	10	St Francis IN	0.00396825173061	100	Auburn	0.00660762025841	1000	LSU	0.0111201075062	10000	LSU	0.0115296390341
14	10	Ohio State	0.00382713364908	100	LSU	0.00655987492859	1000	Virginia Tech	0.0107519559264	10000	Virginia Tech	0.0111531139105
15	10	Alfred	0.00373840725064	100	Florida	0.00651936392556	1000	North Carolina	0.0103706096064	10000	Louisville	0.0107587759106
16	10	North Dakota St	0.00357682963604	100	Virginia Tech	0.00629132363368	1000	Louisville	0.0103693296124	10000	North Carolina	0.0107510318141
17	10	Shepherd	0.00347436945964	100	North Carolina	0.00617930349799	1000	Tennessee	0.0099616290553	10000	Tennessee	0.0103325081098
18	10	Wheaton	0.00329772309463	100	Louisville	0.00602531996127	1000	Mississippi	0.00960438612854	10000	Mississippi	0.00995938563739
19	10	St Lawrence	0.0032957541704	100	Mary Hardin-Baylor	0.00585279881938	1000	Stanford	0.00959441071258	10000	Stanford	0.00994695446721
20	10	Michigan	0.00328726811224	100	Tennessee	0.00582289182975	1000	Miami FL	0.00955750084551	10000	Miami FL	0.00991362975281
21	10	Wesley	0.00325938573453	100	Stanford	0.00566503234228	1000	Oklahoma St	0.00921006060975	10000	Oklahoma St	0.00954630749393
22	10	Marian IN	0.00324278737761	100	Mississippi	0.00566068949468	1000	Georgia Tech	0.00913811786688	10000	Georgia Tech	0.00947880303303
23	10	Trinity CT	0.0032362974653	100	Miami FL	0.00559057429872	1000	Colorado	0.00911941860244	10000	Colorado	0.00944992322807
24	10	Indiana PA	0.0032302062344	100	Oklahoma St	0.00546000295258	1000	Texas A&M	0.00891018289419	10000	Texas A&M	0.00924163877768

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<u>word_0</u>	<u>weight_0</u>	<u>word_1</u>	<u>weight_1</u>	<u>word_2</u>	<u>weight_2</u>	<u>word_3</u>	<u>weight_3</u>	<u>word_4</u>	<u>weight_4</u>
hour	0.014735515	member	0.019882097	tell	0.017712553	economic	0.011615568	music	0.020513364
travel	0.013838082	meeting	0.018037836	ask	0.013712558	country	0.011179591	play	0.018120985
trip	0.012325296	official	0.012268206	hand	0.011780432	states	0.01043618	film	0.013499052
hotel	0.010225982	leader	0.011863893	happen	0.011258201	economy	0.009887993	performance	0.011812081
visit	0.009560263	issue	0.011750885	feel	0.010889216	industry	0.009808706	movie	0.010949166
fly	0.009494016	group	0.011465301	wait	0.009161023	percent	0.009205732	audience	0.009910335
train	0.009458676	speak	0.010729561	bad	0.008959492	increase	0.008856992	production	0.009093967
ticket	0.008137935	conference	0.008902293	night	0.008695229	plant	0.008080254	theater	0.008905514
mile	0.007790172	ask	0.007889234	room	0.008418039	nation	0.007994563	dance	0.008655592
tour	0.007273349	public	0.007839116	trouble	0.00792747	government	0.007969085	song	0.008558556
<u>word_5</u>	<u>weight_5</u>	<u>word_6</u>	<u>weight_6</u>	<u>word_7</u>	<u>weight_7</u>	<u>word_8</u>	<u>weight_8</u>	<u>word_9</u>	<u>weight_9</u>
percent	0.029228709	game	0.028026886	war	0.021759689	drug	0.015233625	thing	0.026032992
market	0.023863738	team	0.023424259	military	0.016192712	health	0.014075011	lot	0.018392715
price	0.019633081	play	0.021375097	country	0.014507255	study	0.011628702	really	0.015844598
stock	0.018442112	player	0.01973373	american	0.014271376	cause	0.010633431	feel	0.01365967
share	0.016975008	season	0.019173205	force	0.013754911	doctor	0.010173541	hard	0.012396133
sale	0.016448706	win	0.018381135	government	0.013479023	medical	0.009750711	great	0.012145116
company	0.015844721	second	0.015538443	states	0.011313365	patient	0.009466608	big	0.012075733
analyst	0.01306267	victory	0.011909984	troop	0.008713258	treatment	0.009176285	little	0.012008287
sell	0.012390932	coach	0.010908662	leader	0.008470928	risk	0.008603871	guy	0.010613236
rise	0.011873971	score	0.010632023	attack	0.00838453	problem	0.008044764	kind	0.009663984
<u>word_10</u>	<u>weight_10</u>	<u>word_11</u>	<u>weight_11</u>	<u>word_12</u>	<u>weight_12</u>	<u>word_13</u>	<u>weight_13</u>	<u>word_14</u>	<u>weight_14</u>
case	0.022957649	city	0.037911351	computer	0.014525389	family	0.029671272	wear	0.012700481
court	0.022824205	local	0.01816226	system	0.014430692	woman	0.028165303	foot	0.010014893
lawyer	0.020746349	community	0.017063047	information	0.010444036	father	0.027825096	stand	0.008732876
law	0.019179581	resident	0.016510828	technology	0.009930294	child	0.025365418	front	0.008483371
judge	0.016189462	area	0.012343288	program	0.007627726	mother	0.023296515	car	0.008140288
charge	0.015001716	neighborhood	0.012303749	available	0.0074402594	son	0.023203142	line	0.007087325
legal	0.013061073	building	0.011761604	design	0.007078007	mrs	0.021848405	head	0.00661823
trial	0.010931657	state	0.010148639	require	0.006425	wife	0.019322143	turn	0.006545151
state	0.010641466	live	0.009772326	company	0.006074477	daughter	0.018067638	drive	0.006391822
file	0.009467877	street	0.009662986	number	0.005987019	friend	0.016489794	place	0.006331142
<u>word_15</u>	<u>weight_15</u>	<u>word_16</u>	<u>weight_16</u>	<u>word_17</u>	<u>weight_17</u>	<u>word_18</u>	<u>weight_18</u>	<u>word_19</u>	<u>weight_19</u>
official	0.031118926	book	0.016460759	clear	0.008567664	executive	0.028301101	food	0.013758795
police	0.028678392	art	0.013760771	deal	0.007749334	president	0.025850636	serve	0.009346441
report	0.018910771	life	0.010131983	question	0.00740625	chief	0.015440005	restaurant	0.008587711
officer	0.017226202	write	0.009915926	agree	0.007376308	company	0.015134656	eat	0.007990571
yesterday	0.011650688	history	0.008773815	plan	0.007073492	television	0.014360151	fresh	0.00790715
man	0.011483438	artist	0.008731784	move	0.007046941	name	0.013907483	taste	0.007447193
spokesman	0.011329219	world	0.00816915	agreement	0.006789534	director	0.012236376	dinner	0.007111043
arrest	0.010894627	museum	0.007590532	decision	0.00653706	vice	0.011958871	add	0.006941834
charge	0.00970655	story	0.007185308	side	0.006534857	business	0.011722699	red	0.006924274
kill	0.009356662	novel	0.006931462	negotiation	0.006370506	network	0.011090674	water	0.006633825
<u>word_20</u>	<u>weight_20</u>	<u>word_21</u>	<u>weight_21</u>	<u>word_22</u>	<u>weight_22</u>	<u>word_23</u>	<u>weight_23</u>	<u>word_24</u>	<u>weight_24</u>
bill	0.018178137	political	0.022792383	pay	0.023165378	school	0.029716475	house	0.014038545
budget	0.016339942	campaign	0.019246543	company	0.021214892	student	0.027679328	store	0.013638291
tax	0.014100643	vote	0.018043531	money	0.018856385	editor	0.023379845	building	0.012103863
cut	0.013506708	election	0.016570422	business	0.015519935	article	0.013547541	sell	0.012047121
state	0.013407562	party	0.01636647	financial	0.014145131	class	0.012765049	design	0.011929853
increase	0.012269042	republican	0.014143678	bank	0.012537811	college	0.012176533	open	0.010247705
program	0.012210216	candidate	0.013926198	investment	0.010320116	child	0.010584315	space	0.009688094
proposal	0.011699256	democratic	0.012743296	firm	0.009911577	education	0.010133593	room	0.008196433
propose	0.01152334	state	0.010960072	cost	0.009911222	teacher	0.008773548	home	0.008110263
plan	0.011454251	voter	0.010053964	buy	0.009774377	write	0.008323863	buy	0.008075775