<pre>In [1]: In [2]: Out[2]:</pre>	im im pd		arn 7 as np	_ nality_t	rain	.CSV	")	sCON	sOPN o	EXT cl	NEU cA	AGR cC	ON cO		DATE NET 2/31/09	WORK
	0 1 2 3	b7b7764cfa1c52 db39f7b2aad36 4d035bd3fd8d95	3e4e93ab2a79a946c4 50b1033ec1f8fcd57f9d 95d15cea9e388964be 50d6a93e5d27b95dfb	brand, cuz Band- Aid's stu likes the sound of thunder. Back from vacation and tired had a great day at church fie! Time, Inc. has	4.30 2.65 4.65 3.70	2.15 3.00 3.20 2.90	3.60 3.15 3.05 3.40	3.30 3.25 3.65 3.60	4.40 4.75 4.05	y n y y	у у у у	y n n	n y y	y 1 y 1 y 1 y	10:42 PM 2/25/09 06:18 PM 2/17/09 02:46 PM 1/20/09 01:35 AM 1/15/09 04:16 PM	
	168 169 170	deb899e426c1a5 ea28a927cb6663 5532642937eb349	3d7a191505dcc8ce47 5c66c24eeb0d7df6257 3480ea33ca917c3c8ba 97a43e15dbb23a9d2c	About mornings and winter, and magic. is wishing it was Saturday. snipers get more head Last night was	3.702.154.051.404.25	2.50 2.15 3.35 4.05	4.20 4.10 3.80 3.30	4.102.903.953.403.50	3.604.604.503.954.00	y n y	n n y y	y y n	y n y	y O y O y	01/12/10 07:48 PM 01/11/10 04:19 AM 01/09/10 01:01 AM 01/08/10 01:50 AM	
In [3]: Out[3]:	#s #c la	dependent value p['abels p['a	ires and lai Variables (1	needed f				utpu	t lat	er)						
In [4]: Out[4]:	fe fe fe he had been been for the head of	Teatures/in eatures = NETWORKSIZ Teatures = NETWORKSIZ Teatures = eatures Etworksize', Etweenness', Betweenness', Ensity',	ndependent s ZE", "BETWEEN ZE", "BETWEEN ["SEXT", "S	variable NNESS"," NNESS","	NBET NBET	WEEN	INESS									
<pre>In [5]: Out[5]:</pre>	'NE'TF'SE'SE'SE'X	<pre>pet all row = p.loc[:, NETWORKSIZE 739</pre>	me of just vs and just features] BETWEENNESS NI 267574.00 14861.60 4359.80	the col	umns DENS		BROKERA 270	AGE N	BROKERA (ANSITIV	0.07 ²	4.30 3 2.65 3	.60 .15	CON SOPN 3.30 4.10 3.25 4.40 3.65 4.75	
In [6]:	#s	port matpl	1509.50 438219.00 98153.10 185.71 2935.76 11424.50 138337.00 ns for the containing purple	ot as pl	matr		99 3 11 142	 733 377 120 510 460		0.49 0.50 0.49 0.32 0.47 0.49 0.49		0.09	1.15 3 3.70 4 2.15 4 1.05 3		3.35 4.05 3.60 3.80 4.10 3.60 2.90 4.60 3.95 4.50 3.40 3.95 3.50 4.00	
<pre>In [7]: In [8]: Out[8]:</pre>	fi fi fi pl	.g_size[0] .g_size[1] .t.rcParams output/labe = p["cNEU"	olt.rcParams = 20 = 20 s["figure.f:	igsize"]	= f	ig_s										
In [9]:	cl	s: cNEU, Length com sklearr of = tree.I orted = lak	ch: 172, dtype: n import tre DecisionTree it(X, Y) cels.unique sort(sortee	ee eClassif ()	ier(rand	om_st	tate=	=0)							
Out[10]: In [11]:	fr #x tr	orted (, 'y'] com pandas. cee.plot_tr eee.plot_tr	et (map(str, st (map(str, st (map(str, str)))))) plotting in the control of the	mport sc	atte es=f	- eatu										
		STRINGS OF		SAN TO SA	TO AND TO SERVICE AND THE SERV		Table 1	CONTROL OF THE PROPERTY OF THE	Free Land			Man and the second seco		Service CAL		
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In [12]: Out[12]:	o te	estData 200255966ca6e263	#AUTHID 86535b5b93ac04497	Four da camping trip! Holy Crap! th is go put in wor again las night at th	S sEXT y !! 3.1! is k st e 3.3	T sNE (U sAGR 0 4.15	8 sCON		n	cNEU	cAGR y	cCON y	cOPN n	AM 12/25/09 04:47 PM	JETWC
	3 4 69	2badb47503a98766 1c10cc0852579d2 06b055f8e2bca964	220367560218619c0 5c89e266d1130969a 2fa000e3fc3327bb98 496514891057913c3	has be bugs ewwwwww	4.50 n 3.5. d 3.5. d 2.60 e e by 2.8. e e e e e e 1.9.	5 2.3 0 2.6 	0 3.65 5 2.10 	2.20	5 4.60 0 3.50 	n n 	y n n y	n y n n	y y n	n y n	PM 12/08/09 01:27 AM 12/06/09 08:40 PM 06/16/09 06:22 AM	
In [13]:	TX XT	3fe44fab3eb561a 35efb99775d5ee7 ws × 20 columns 'est = test	e418a22182ec75fad e418a22182ec75fad e83cf7912591984d5		ot 4.00 o	0 3.7 5 4.0	5 3.25 0 2.85	5 2.00	0 3.75 5 4.10	y	y y	n n	n n	n y	AM 02/12/10 10:47 PM 01/15/10	
	0 1 2 3 4 69 70 71 72	75 789 318 379 139 194 415 329 329 65 ws × 11 columns	2650.67 303058.00 49024.80 66420.90 9100.53 18123.10 84621.10 49454.70 49454.70 1696.85	98.14 97.74 97.88 93.22 96.27 97.81 98.98 92.22 92.22 84.17	000000000000000000000000000000000000000	0.04 0.01 0.02 0.03 0.04 0.02 0.01 0.03 0.03	266 30756 4956 6919 925 183 8496 5226 5226	60 65 84 91 51 13 69 82	0. 0. 0. 0. 0. 0. 0. 0. 0.	49 50 49 49 49 49 50 49 49	0 0 0 0 0 0 0 0 0 0	.05 3.: .07 3.: .06 4.: .27 3.: .11 2.:06 2.: .04 1.: .17 4.: .17 4.: .28 2.:	15 4.1 35 2.8 50 3.0 55 3.6 60 2.1 85 3.3 95 3.0 00 3.2	35 3 00 4 65 4 0 2 35 4 05 2 25 2	.00 3.55 .10 4.15 .50 3.75 .65 4.60 .20 3.5070 3.35 .50 3.95 .00 3.75 .00 3.75 .35 4.10	
<pre>In [14]: Out[14]: In [15]:</pre>	YT 0 1 2 3 4 69 70 71 72 73 Name YP	n n y n n y y y y y y tel: cNEU, Lengt	ch: 74, dtype:	object est data												
Out[15]: In [16]: Out[16]:	YT 0 1 2 3 4 69 70 71 72 73 Name	'n', 'n', 'y', 'n', 'n', 'n', 'y', 'y', 'n', 'n', 'n', 'n', 'n', 'n', 'n', 'est n n y y n n y y y y y e: cNEU, Lengt	'n', 'y', 'y', 'y', 'n', 'n', 'n', 'n', 'n', 'n', 'n', 'y', 'y', 'n', 'y', 'n', 'n', 'n',	'y', 'y', 'n', 'n', 'y', 'y', 'y', 'n', 'y', 'y',	'n', 'n', 'n', 'y',	'y', 'y', 'n',	'y', ' 'n', ' 'y', '	y', ' n', ' n', ' y', '	n', 'n y', 'y y', 'n n', 'n	', ',						
In [17]: Out[17]: In [18]:	ac a	ccuracy = necuracy scuracy scuracy setup plots com sklearr gSize = pl gSize[0] = gSize[1] = t.rcParams		sion mat mport pl ["figure	<pre>rix ot_c .fig =fig</pre>	onfu size Size	sion_			s mat	trix					
	va # 6 fo	alues = ['tomap='civion or x in val disp = n disp.ax_ rint(disp.or 0, 5.0] 0 14] 2 18]] Confusion matr		<pre> KTest,YT ("Confus atrix) on = true </pre>	est,	disp matr	lay_l	labe:	ls=so	rted,	norm	ualiz	e=x)			
	bel True label	'n	y Predicted label x with normalization				0.55 0.50 0.45 0.40 0.35 30 28 26 24									
In [19]: Out[19]:	#p	get false god.set_opt:	ion('displag Test!=YPred: #AUTHID	icted) & (YPre sEXT	100) dict	20 18 16 14 12 ed==	sCON	sOPN		cNEU (cAGR o	cCON c	OPN	DATE NE 12/25/09	ETWOF
		2badb47503a98766 1c10cc0852579d2 526ac2635cb3f5e6 370a8295df2f8b90	c417b8402d5b2f556 6c89e266d1130969a 2fa000e3fc3327bb98 Dee5d7424e83e9107 D69e75422c37d2639 4cda7d10845f2733e	night at the Pig N Whis NYC on 8//18!!!!!!!! for the united fans reading, dont worry be hap A vegetarian delight IS SOOOOO EXCITED 4 THE HOLS has been asked by several friends about	3.55 2.60 2.45 4.00	2.30 2.65 2.70	3.65 2.10 3.10	3.10 4.65 2.20 4.00 3.10	4.60 3.50 4.30	n n n	n n n	n y n	n y n	y y n	04:47 PM 12/08/09 01:27 AM 12/06/09 08:40 PM 10/29/09 06:04 AM 10/22/09 03:15 AM 08/24/09 12:30 PM	
	22 23 37	0bfa3d952ffed50 ⁻ 3b474abc02985674	08caa394dcad75c7d f25011b128e73a820 4f2b64e46a939bb3d 3d0daf3fed10afe1c9	our tr Nothing to do in lab because the TAs messed up is glad *PROPNAME* has taken responsibility fo Me + Exams = Epic Phail ~.~ Its way to early on a Saturday to be heading t is wondering	2.10 2.80 3.60	1.60 1.95	3.65	2.05 3.25 3.60		n y	n n	n y y	n y y	n y y	08/15/09 04:35 PM 08/09/09 10:59 PM 07/10/09 09:43 PM 07/10/09 02:33 PM	
In [20]:	45 48 52	1d6d222bd3fb4c0 5880081cd3de161 4e5bc97d95f3aca0		how many people know that the Uni Michael Jackson is dead! What is the world com ran 19 miles today. Shower, a big glass of wat can't wait to have all the stuff moved into th	1.95 2.90 4.65	2.20	3.80	2.80 3.90 2.10	2.70 4.10	y n	n n	n y n	y n	n n y	07/05/09 10:28 PM 07/04/09 02:28 PM 06/28/09 11:20 PM 06/25/09 02:42 AM	
Out[20]:	2 7	318bf822d4f2bd3t 172400f46880b30	#AUTHID 920367560218619c0 9ca5e97d322bb8f01	has bed bugs ewwwww! I have no excuses, least of all for God. Like Writing, then 2 chapters homework, then bed. O I have no	YPre sEXT s 4.50 3.45	dict SNEU 9 4.00 2.85	3.00 2.80 4.50	2.70 2.85	3.75 4.15 4.50	y n	y y	n n	y n	12 n 11 y 11 y 09 y	DATE NETV 2/23/09 10:06 PM 1/18/09 04:56 AM 0/25/09 09:53 AM	WORKS
	14 17 25	448084546d4ae45 259f8f9cce95b27 03e6c4eca4269c	b4605f38477a04458 se47c3a83f338ade56 l4dc9924af48bcd6f0 183fa0e1780f73faba	water right now. WHY ive come to the conclusion that some people ar is back from D.C. and is very tired "Those who criticize our generation forget who Damn, U.S. beat	3.70 3.30 3.20	3.15 3.15 2.85 3.60	4.30 4.20 3.85	3.45 3.75 3.40 4.35	4.35 3.85 4.75 4.80	n y n	y y	y y y	n y n	y 08 y 08 y 07 y	12:06 AM 3/31/09 05:03 AM 3/06/09 07:35 PM 7/23/09 05:55 PM	1
	31 39 41	1187ed8a8b100eb4 4a6ef0fc1128573.	05590a092a9e9cacb 49b8684ac30d6da29 2bde96e8863dcb7f4	beat Spain? We should be proud why does it seem like im always online these d just made amazing pineapple curry jasime rice! Just bought a cute pair of purple	2.75 4.00 3.80	3.75 4.00 3.00	2.25	4.75 4.50 3.10	4.25 3.25 4.75	n y y	y y	y n	y y	y 07 n 07 y	7/19/09 05:40 PM 7/09/09 07:16 PM 7/08/09 05:01 PM	
	66	00419a4c96b32cd6	53b2c7196da761274	of purple pumps :) back in cali!!!	1.90	4.15	3.15	4.65	3.45	n	у	n	у	06 n	PM 5/16/09 10:31 PM	