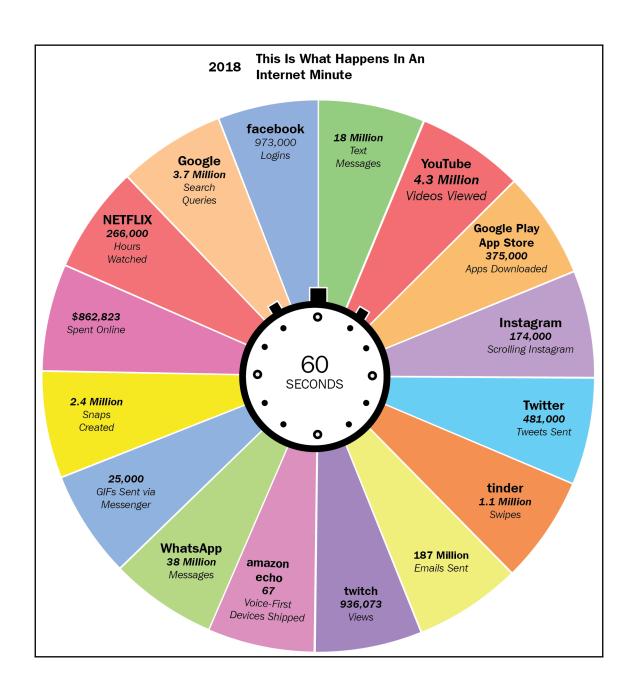
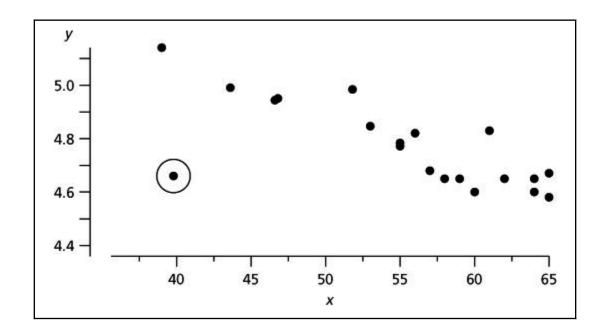
Chapter 1: Applied Machine Learning Quick Start

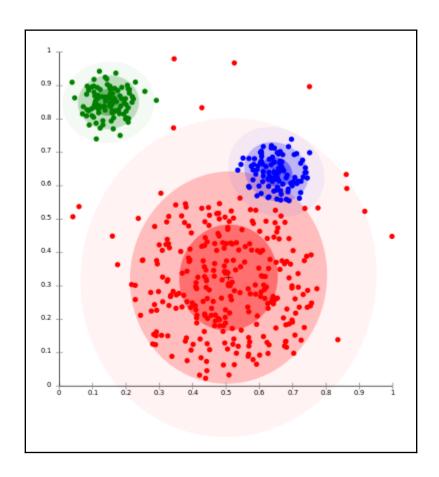
Data & Problem
Data Collection
Definition

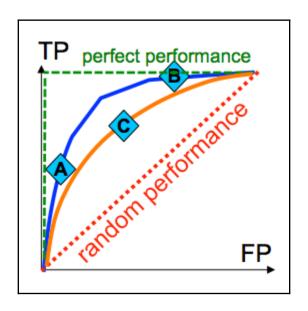
Data Data analysis
preprocessing and modeling

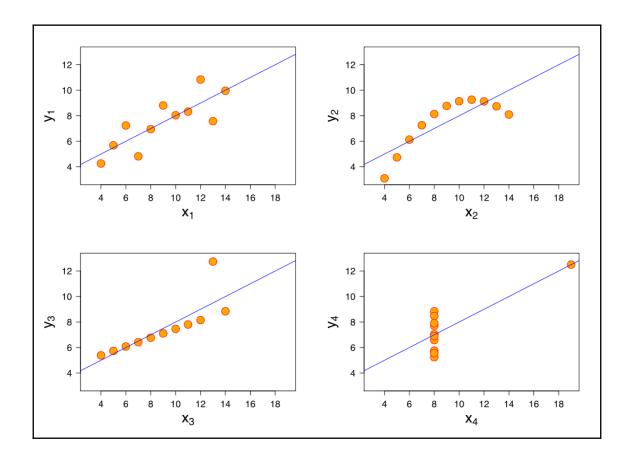
Evaluation

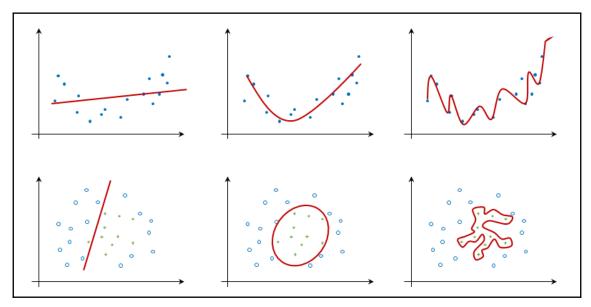


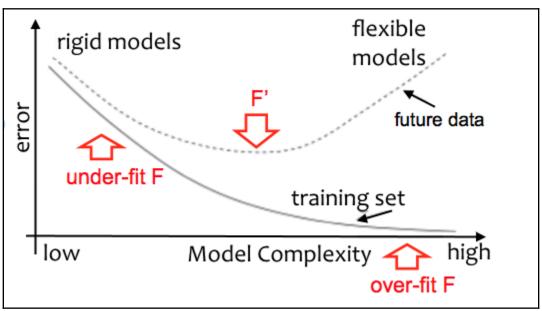


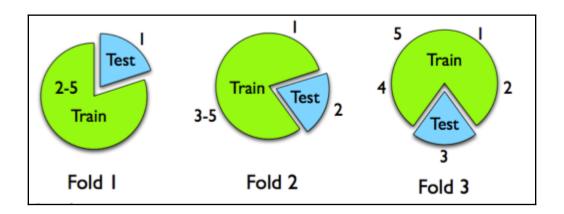




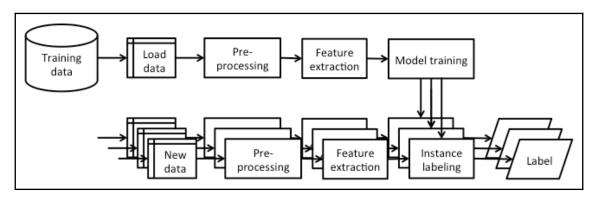








Chapter 2: Java Libraries and Platforms for Machine Learning



Chapter 3: Basic Algorithms – Classification, Regression, and Clustering

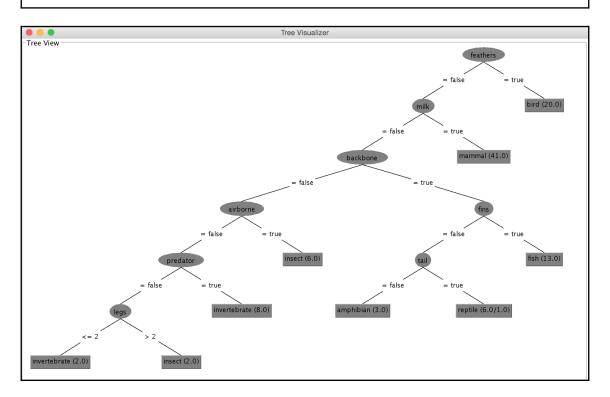
Other platforms (Linux, etc.)

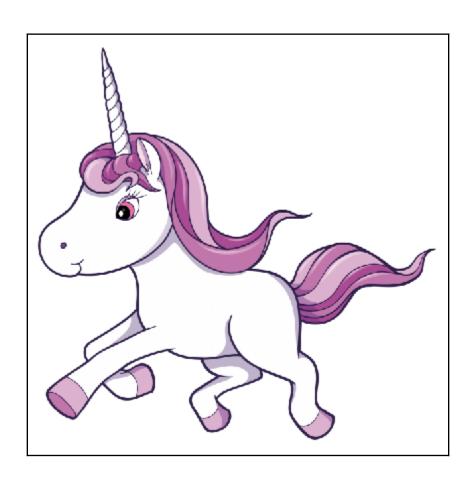
Click **here** to download a zip archive containing Weka (weka-3-7-11.zip; 33.2 MB)

First unzip the zip file. This will create a new directory called weka-3-7-11. To run Weka, change into that directory and type

java -Xmx1000M -jar weka.jar

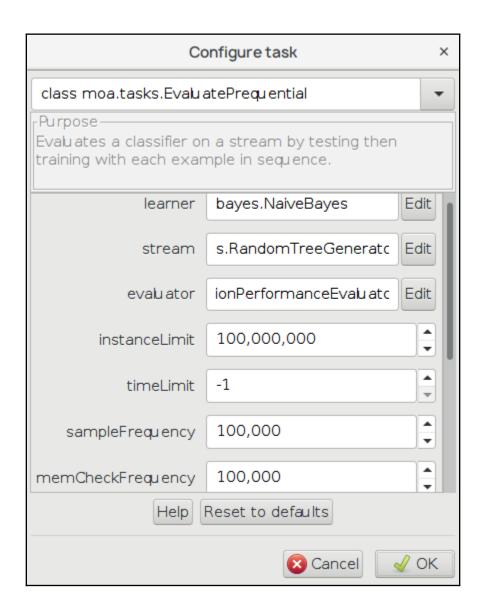
Note that Java needs to be installed on your system for this to work. Also note, that using <code>-jax</code> will override your current CLASSPATH variable and only use the <code>weka.jax</code>.

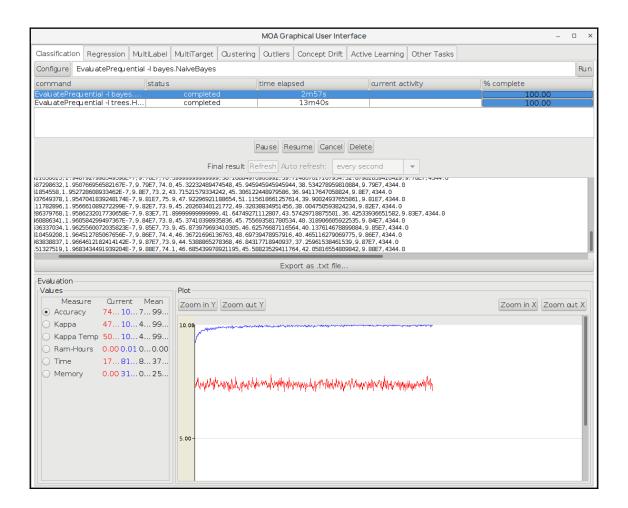




```
5/5 : Fold #5/5: Iteration #116, Training Error: 0.00316917, Validation Error: 0.03959239
5/5 : Fold #5/5: Iteration #117, Training Error: 0.00306926, Validation Error: 0.03959239
5/5 : Fold #5/5: Iteration #118, Training Error: 0.00295826, Validation Error: 0.03959239
5/5 : Fold #5/5: Iteration #119, Training Error: 0.00283791, Validation Error: 0.03959239
5/5 : Fold #5/5: Iteration #120, Training Error: 0.00285336, Validation Error: 0.03959239
5/5 : Fold #5/5: Iteration #121, Training Error: 0.00283003, Validation Error: 0.04615343
5/5 : Fold #5/5: Iteration #122, Training Error: 0.00278216, Validation Error: 0.04615343
5/5 : Fold #5/5: Iteration #123, Training Error: 0.00274684, Validation Error: 0.04615343
5/5 : Fold #5/5: Iteration #124, Training Error: 0.00269973, Validation Error: 0.04615343
5/5 : Fold #5/5: Iteration #125, Training Error: 0.00263623, Validation Error: 0.04615343
5/5 : Fold #5/5: Iteration #126, Training Error: 0.00256257, Validation Error: 0.04615343
5/5 : Fold #5/5: Iteration #127, Training Error: 0.00247902, Validation Error: 0.04821044
5/5 : Fold #5/5: Iteration #128, Training Error: 0.00238564, Validation Error: 0.04821044
5/5 : Fold #5/5: Iteration #129, Training Error: 0.00228351, Validation Error: 0.04821044
5/5 : Fold #5/5: Iteration #130, Training Error: 0.00219218, Validation Error: 0.04821044
5/5 : Fold #5/5: Iteration #131, Training Error: 0.00214636, Validation Error: 0.04821044
5/5 : Fold #5/5: Iteration #132, Training Error: 0.00215036, Validation Error: 0.04821044
5/5 : Fold #5/5: Iteration #133, Training Error: 0.00209383, Validation Error: 0.05149271
5/5 : Fold #5/5: Iteration #134, Training Error: 0.00202164, Validation Error: 0.05149271
5/5 : Fold #5/5: Iteration #135, Training Error: 0.00193870, Validation Error: 0.05149271
5/5 : Fold #5/5: Iteration #136, Training Error: 0.00184413, Validation Error: 0.05149271
5/5 : Fold #5/5: Iteration #137, Training Error: 0.00173880, Validation Error: 0.05149271
5/5 : Fold #5/5: Iteration #138, Training Error: 0.00169552, Validation Error: 0.05149271
5/5 : Fold #5/5: Iteration #139, Training Error: 0.00175292, Validation Error: 0.05322542
5/5 : Fold #5/5: Iteration #140, Training Error: 0.00169372, Validation Error: 0.05322542
5/5 : Fold #5/5: Iteration #141, Training Error: 0.00163858, Validation Error: 0.05322542
5/5 : Fold #5/5: Iteration #142, Training Error: 0.00157472, Validation Error: 0.05322542
5/5 : Fold #5/5: Iteration #143, Training Error: 0.00157964, Validation Error: 0.05322542
5/5 : Fold #5/5: Iteration #144, Training Error: 0.00152719, Validation Error: 0.05322542
5/5 : Fold #5/5: Iteration #145, Training Error: 0.00147310, Validation Error: 0.05566345
5/5 : Cross-validated score:0.09367002840811614
Training error: 0.014938424036306448
Validation error: 0.061569949736656415
[NormalizationHelper:
[ColumnDefinition:sepal-length(continuous);low=4.300000,high=7.900000,mean=5.843333,sd=0.825301]
[ColumnDefinition:sepal-width(continuous);low=2.000000,high=4.400000,mean=3.054000,sd=0.432147]
[ColumnDefinition:petal-length(continuous);low=1.000000,high=6.900000,mean=3.758667,sd=1.758529]
[ColumnDefinition:petal-width(continuous);low=0.100000,high=2.500000,mean=1.198667,sd=0.760613]
[ColumnDefinition:species(nominal);[Iris-setosa, Iris-versicolor, Iris-virginica]]
Final model: [BasicNetwork: Layers=3]
[5.1, 3.5, 1.4, 0.2] -> predicted: Iris-setosa(correct: Iris-setosa)
[4.9, 3.0, 1.4, 0.2] -> predicted: Iris-setosa(correct: Iris-setosa)
[4.7, 3.2, 1.3, 0.2] -> predicted: Iris-setosa(correct: Iris-setosa)
[4.6, 3.1, 1.5, 0.2] -> predicted: Iris-setosa(correct: Iris-setosa)
[5.0, 3.6, 1.4, 0.2] -> predicted: Iris-setosa(correct: Iris-setosa)
[5.4, 3.9, 1.7, 0.4] -> predicted: Iris-setosa(correct: Iris-setosa)
[4.6, 3.4, 1.4, 0.3] -> predicted: Iris-setosa(correct: Iris-setosa)
[5.0, 3.4, 1.5, 0.2] -> predicted: Iris-setosa(correct: Iris-setosa)
[4.4, 2.9, 1.4, 0.2] -> predicted: Iris-setosa(correct: Iris-setosa)
[4.9, 3.1, 1.5, 0.1] -> predicted: Iris-setosa(correct: Iris-setosa)
```

	MOA Graphical User Interface – 🗆 ×										
MultiTar	get	Clusteri	ng (Outliers	Concept Drift	Activ	e Learning	Other Tasks			
	Class	ification			Regression	N	MultiLabel				
Configure	Evaluate	ePrequent	ial -l baye:	s.NaiveE	Bayes			Run			
command		status			time elapsed	current acti	ivity %	complete			
	Pause Resume Cancel Delete										
		No prev	view availa	able Re	fresh Auto refresh:	every secon	d 🔻				
		140 pres	new avail	able [116	rato remeshi						
					Export as .txt file						
Evaluation	1			5 1.							
-Values—				Plot —							
				Zoon	n in Y Zoom out Y		Zoom	in X Zoom out X			
		0	N.4	1.00							
Acau	asure racv	Current	Mean 								
○ Kapp											
○ Карр	a Temp										
○ Ram	-Hours			0.50-							
O Time											
O Mem	ory										
				0.00	50000	100000	150000	200000			





	Save As: Ef	NB2012_data	.CSV		•	
	Tags:					
	Where:	datasets		A Y		
7	Format:	Comma Sepa	rated Values (.csv)	\$	- 1
Description						
Exports the dat	a on the active sh	neet to a text fil	le that uses com	mas to separa	te values in cell	s.
	out file formate					
Learn more abo	out file formats					
Learn more abo	out file formats					
Learn more abo	out file formats		0.00 0.00 0.00 0.00			
Learn more abo	7,00 7,00	ity Report	↑ Compati	bility check re	commended	
110.25	7,00 7,00	ity Report	⚠ Compati	bility check re	commended	

```
EncogRegressionDemo [Java Application] /usr/lib/jvm/java-8-oracle/bin/java (04-Oct-2018, 2:01:44 PM)

5/5 : Fold #5/5: Iteration #1384, Training Error: 0.00281073, Validation Error: 0.00354880

5/5 : Fold #5/5: Iteration #1385, Training Error: 0.00281052, Validation Error: 0.00354880

5/5 : Fold #5/5: Iteration #1386, Training Error: 0.00281029, Validation Error: 0.00354880

5/5 : Fold #5/5: Iteration #1387, Training Error: 0.00281003, Validation Error: 0.00354669

5/5 : Cross-validated score:0.004556173292848932

[NormalizationHelper:
[ColumnDefinition:X1(continuous); low=0.620000, high=0.980000, mean=0.764167, sd=0.105709]

[ColumnDefinition:X2(continuous); low=514.500000, high=808.500000, mean=671.708333, sd=88.028750]

[ColumnDefinition:X3(continuous); low=245.000000, high=416.500000, mean=318.500000, sd=43.598070]

[ColumnDefinition:X4(continuous); low=110.250000, high=220.500000, mean=176.604167, sd=45.136536]

[ColumnDefinition:X5(continuous); low=3.500000, high=7.000000, mean=5.2500000, sd=1.750000]

[ColumnDefinition:X6(continuous); low=0.000000, high=6.000000, mean=0.234375, sd=0.133134]

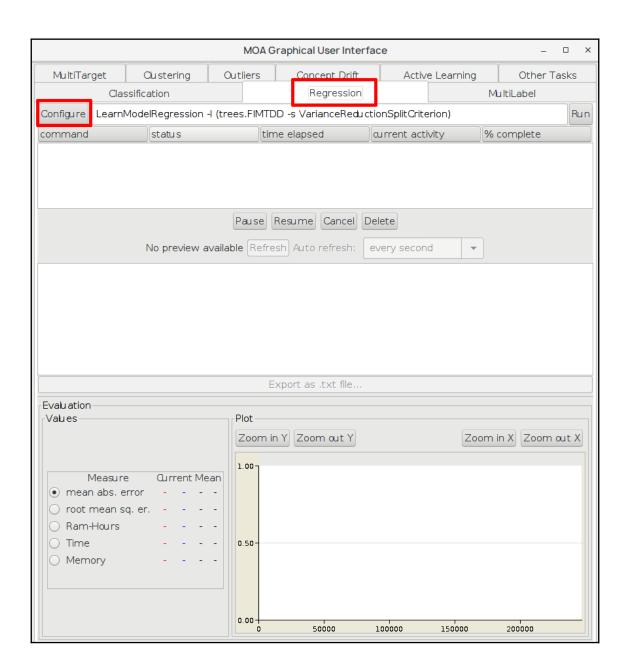
[ColumnDefinition:X8(continuous); low=0.0000000, high=5.0000000, mean=2.812500, sd=1.549950]

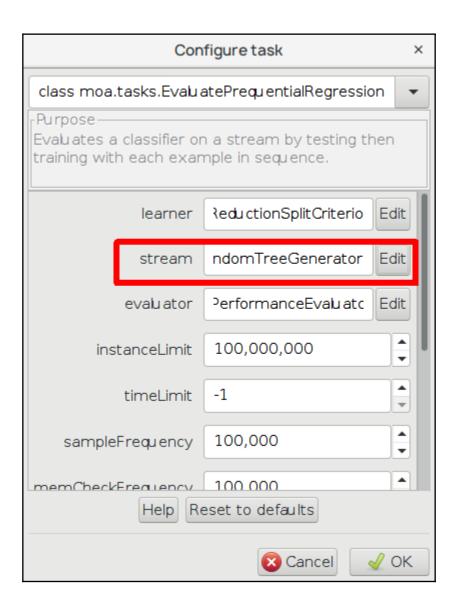
[ColumnDefinition:Y1(continuous); low=0.000000, high=43.100000, mean=22.307201, sd=10.083624]

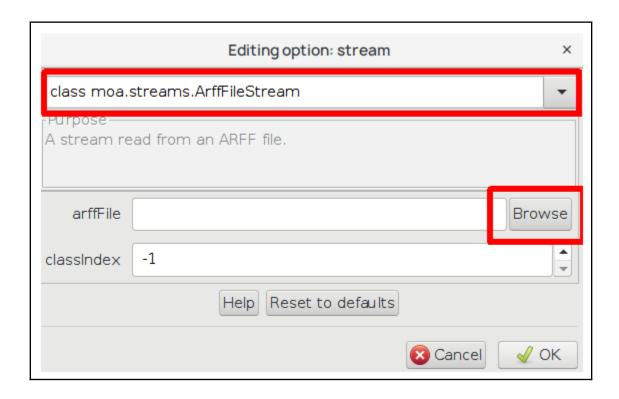
[ColumnDefinition:Y2(continuous); low=6.010000, high=43.100000, mean=22.307201, sd=10.083624]

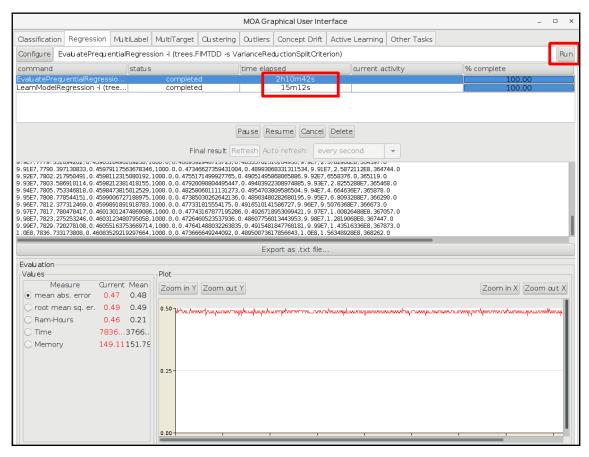
[ColumnDefinition:Y2(continuous); low=10.900000, high=48.030000, mean=24.587760, sd=9.507110]

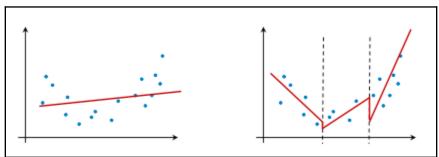
Final model: [BasicNetwork: Layers=3]
```

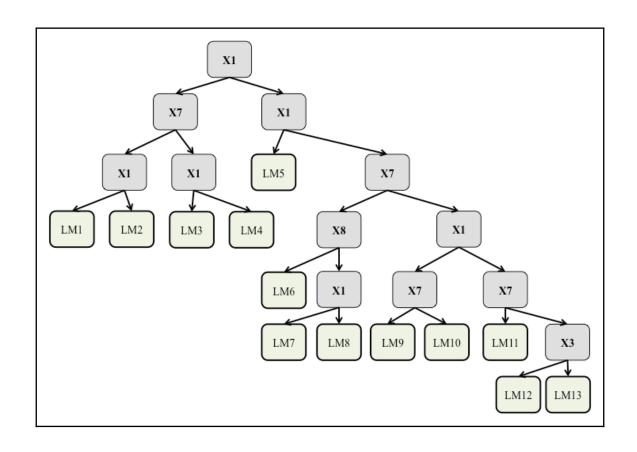


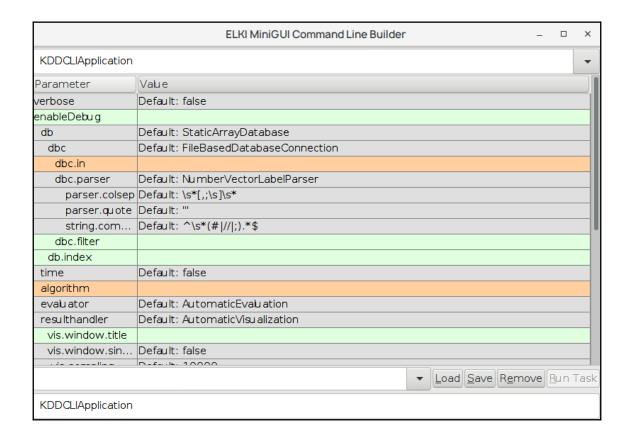


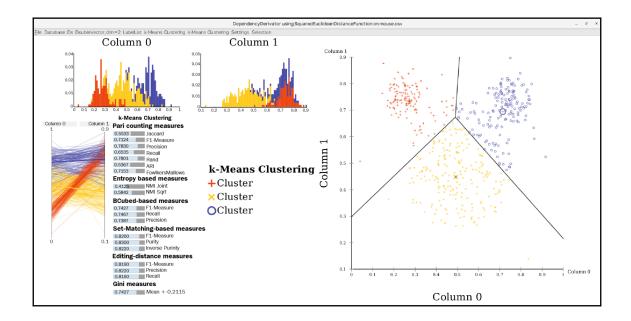






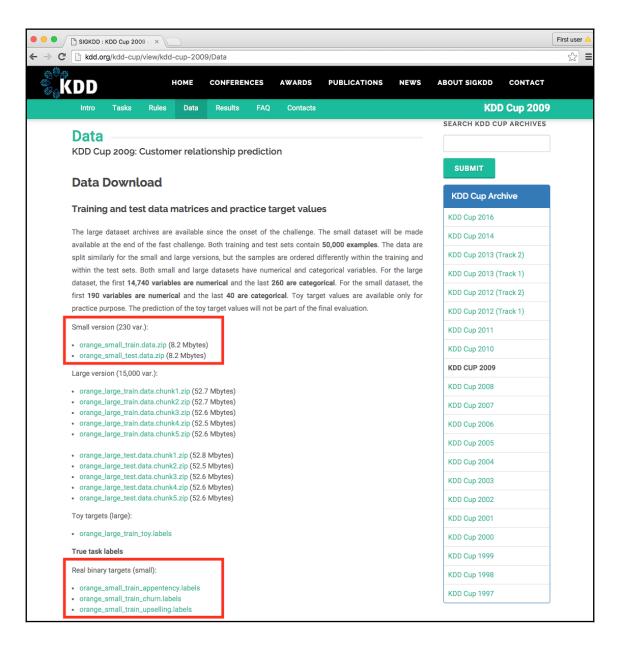


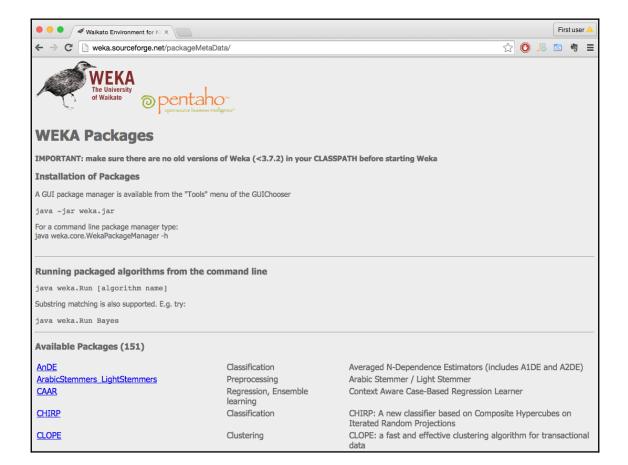


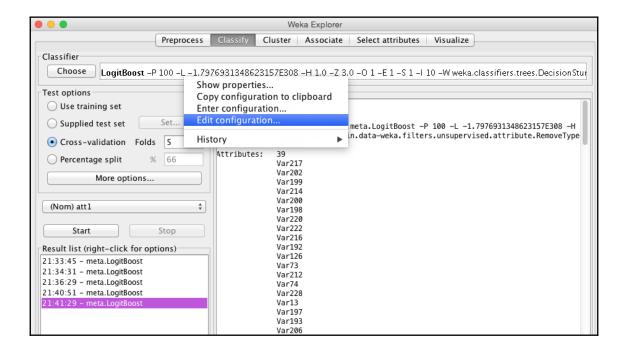


Chapter 4: Customer Relationship Prediction with Ensembles

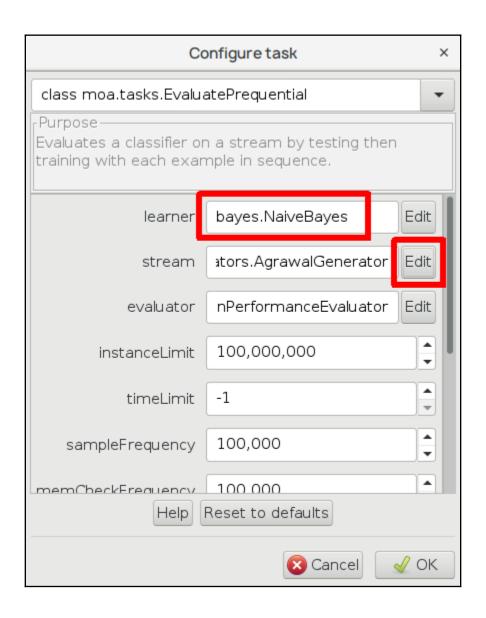
			230 nu	meric and	d nominal a	attributes				Thr	ee binary clas	sses
Var85	Var123	Var125	Var126	Var132	Var133	Var134	Var225	Var229	Var230	Label Churn	Label Appetency	Label Upselling
12	6	720	8	0	1212385	69134				-1	-1	-1
2	72	0		8	4136430	357038				1	-1	-1
58	114	5967	-28	0	3478905	248932	kG3k	am7c		-1	-1	-1
0	0	0	-14	0	0	0				-1	-1	-1
0	0	15111	58	0	150650	66046	kG3k	mj86		-1	-1	-1
10	0	1935		8	641020	43684		am7c		-1	-1	-1
16	24	13194	-24	0	1664450	104978	kG3k	am7c		-1	-1	-1
2	12	0	-8	8	3839825	1284128				-1	-1	-1
2	90	2754		0	3830510	203586	kG3k	am7c		-1	-1	-1
24	66	6561		32	2577245	210014	kG3k			-1	-1	-1
6	12	5823	58	0	0	7134	kG3k	mj86		-1	-1	-1
28	24	66825	52	8	134105	15166	kG3k			-1	-1	-1
0	0	44154	10	0	0	0		mj86		-1	-1	-1
22	54	5202		0	2772010	1095062	xG3x			-1	-1	-1
0	102	31104	8	0	2170355	57596				-1	-1	1
0	0	2574		0	0	0	ELof	oJmt		-1	-1	-1
14	186	8019		48	3571845	587392	kG3k	am7c		-1	-1	-1
0	30	5319		8	500295	31436		am7c		-1	-1	-1
2	0	13788	4	0	918350	0	kG3k			-1	-1	-1
14	0	7110		0	2055150	392138				1	-1	-1
8	66	0	-8	0	3258940	1121306				-1	-1	-1
0	18	0	-10	0	0	0				-1	-1	-1
12	0	531	36	0	491345	56742	ELof	mj86		-1	-1	-1
0	12	16803	12	0	201110	1693090				1	-1	-1
14	0	25740		0	2932660	313200	xG3x			-1	-1	1

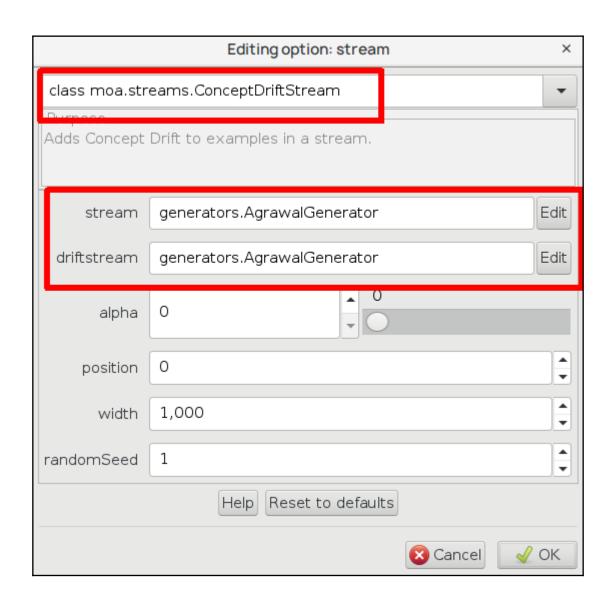




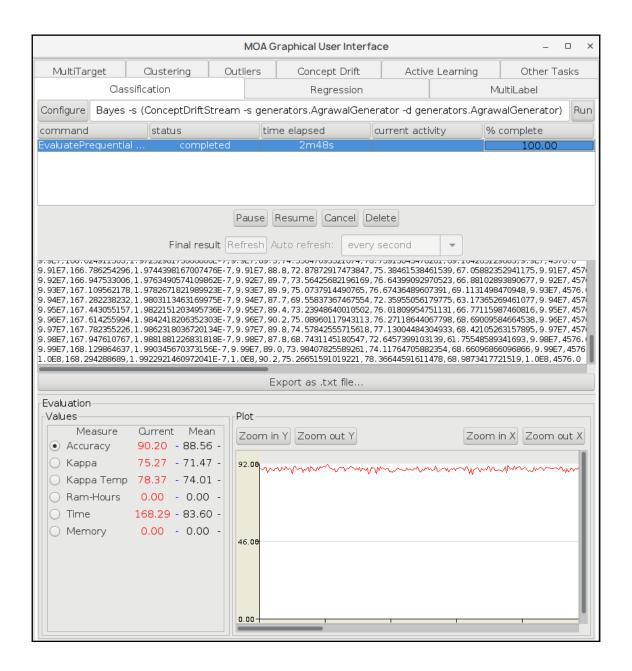


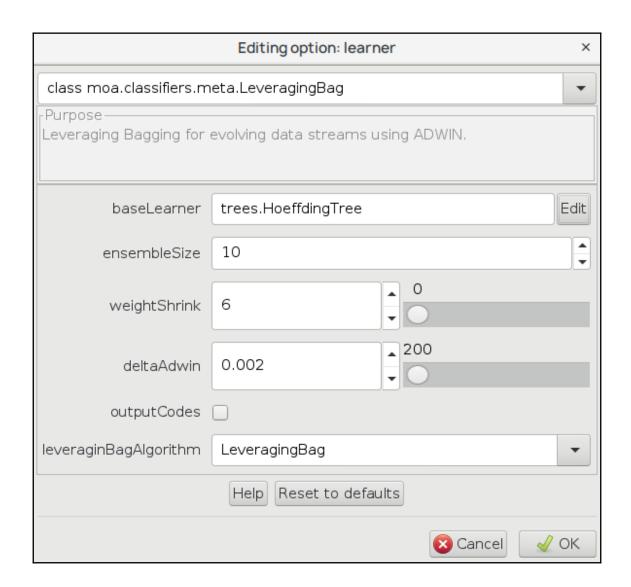
		MOAC	Graphical User Inter	rface		×
MultiTarget	Clustering	Outliers	Concept Drift	Active Lear	rning	Other Tasks
	ssification		Regression	ultiLabel		
Configure Bayes	s -s (ConceptDrift	Stream -s gen	erators.AgrawalGe	nerator -d generato	rs.Agraw	alGenerator) Run
сопппапи	status	tir	ne elapsed	current activity	[% (complete
		Pause	Resume Cancel	Delete		
	No preview	available Refre	esh Auto refresh:	every second	-	
		F	Export as .txt file			
Evaluation			Export do lext lile			
Values		Plot				
		Zoom i	n Y Zoom out Y		Zoom i	n X Zoom out X
		1.007				
Measure	Current Me					
Accuracy		-				
○ Kappa ○ Kappa Temp						
O Ram-Hours		- 0.50-				
O Time		-				
O Memory		-				
		0.00	1_			
		0	50000	100000 150	000	200000

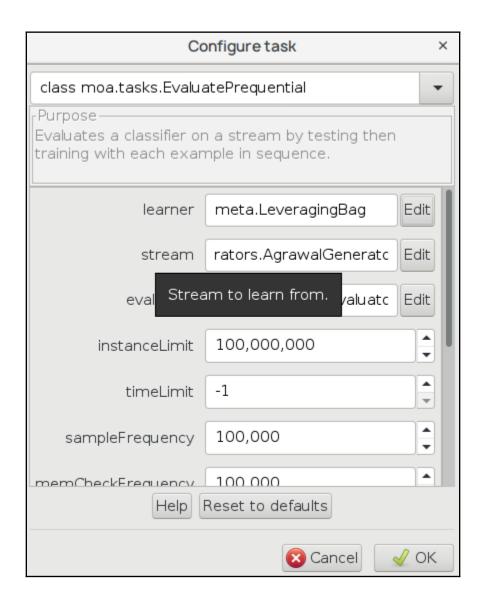


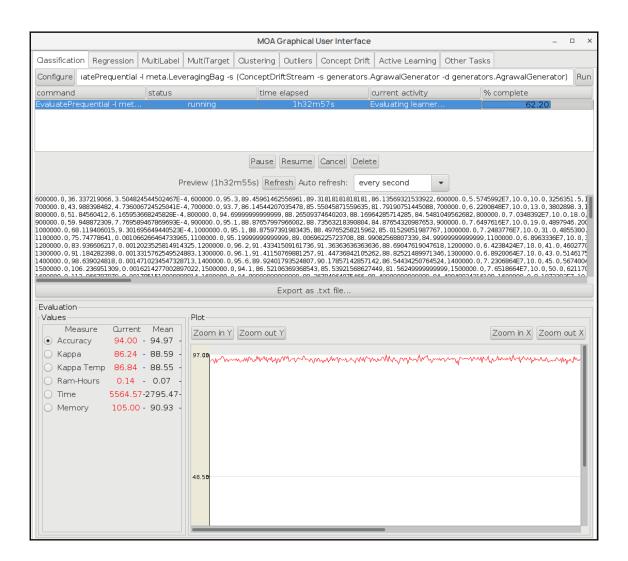


				MOA	Graphical User Inter	face		×		
MultiTar	get	Clusterir	ng Out	tliers Concept Drift Active Learn			e Learning	ing Other Tasks		
	Class	ification			/lultiLabel					
Configure	ngBag -	s (Concept	:DriftStream	-s ge	nerators.AgrawalGer	nerator -d ger	nerators.Agrav	walGenerator) Run		
command		status		ti	ime elapsed	current acti	vity %	complete		
			F	ause	Resume Cancel	Delete				
		No prev	iew availabl	e Refi	resh Auto refresh:	every second	d 🔻			
					`					
					Export as .txt file					
Evaluation										
-Values				lot —						
				Zoom	in Y Zoom out Y		Zoom	in X Zoom out X		
				L.00 ¬						
	asure	Current	Mean							
Accur										
○ Kappa										
	a Temp Hours									
	Hours			0.50-						
O Time	on/									
U Merri	or y									
				0.00	50000	100000	150000	200000		

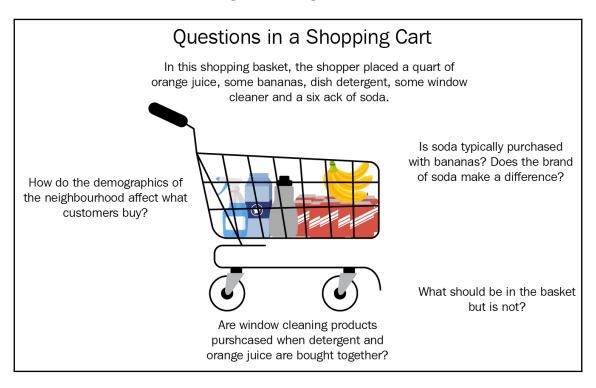




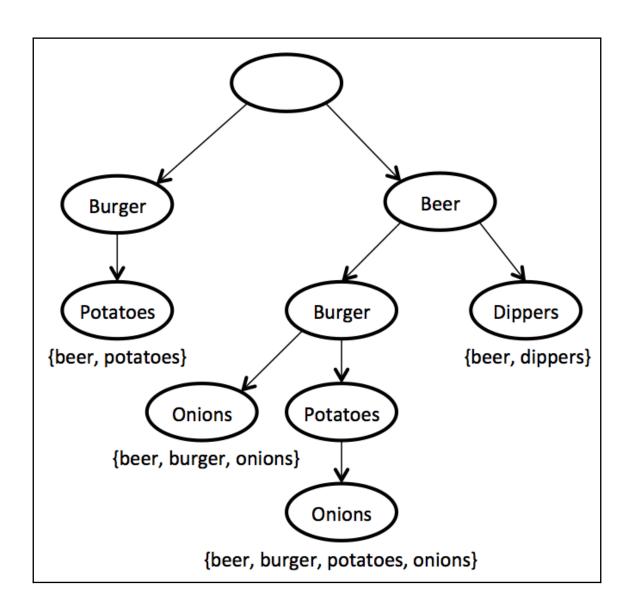




Chapter 5: Affinity Analysis



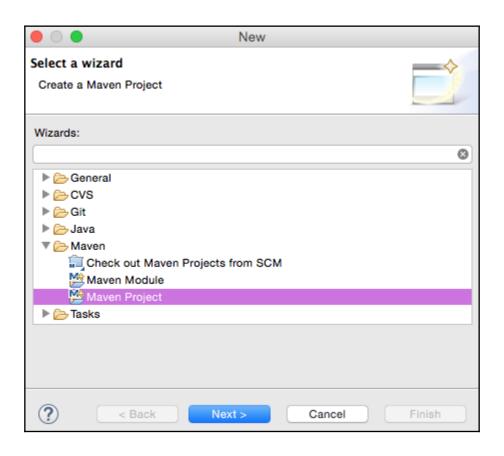
www.MACHINE-LEARNING	WWW.MACHINE-LEARNING-JAVA.COM			WWW.MACHINE-	LEARNING-JA	VA.COM	www.machine-Learning-Java.com			
GROCERY STORE 921 JAVA AVENUE NEW YORK NY 9999 PURCHASE:		GROCERY STORE 921 JAVA AVEN NEW YORK NY 9999 PURCHASE:			GROCERY STOR 921 JAVA AVE NEW YORK NY 9999 PURCHASE:			GROCERY STOR 921 JAVA AVE NEW YORK NY 9999 PURCHASE:		
POTATEOS BURGER	\$4.12 \$12.04	POTATEOS BURGER ONIONS BEER		\$4.12 \$12.04 \$3.14 \$27.55	DIPPERS BEER		\$29.95 \$27.55	BURGER ONIONS BEER		\$12.04 \$3.14 \$27.55
VAT +11% TAX	\$1.77	VAT +11%	TAX:	\$5.15	VAT +11%	TAX:	\$6.33	VAT +11%	TAX	\$4.70
T	TAL: \$17.98		TOTAL	\$52.00		TOTAL	. \$63.83		TOTA	L: \$47.48
PAYMENT METHOD: CRED TRANSACTION #1458293 DATE:18/08/2016 9:29	PAYMENT METHOD: CREDIT CARD TRANSACTION #1458293428 -001 DATE:18/03/2016 9:30:28 AM			PAYMENT METHOD: CREDIT CARD TRANSACTION #1458293508 -001 DATE:18/03/2016 9:31:48 AM			PAYMENT METHOD: CREDIT CARD TRANSACTION #1458293459 -001 DATE:18/03/2016 9:30:59 AM			
THANK YO	THANK YOU			THANK YOU			THANK YOU			

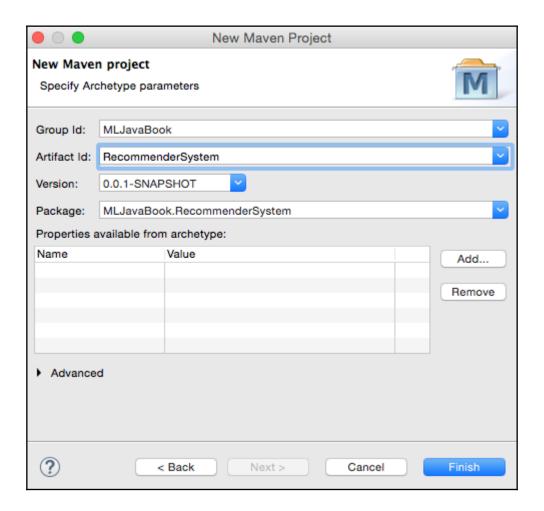


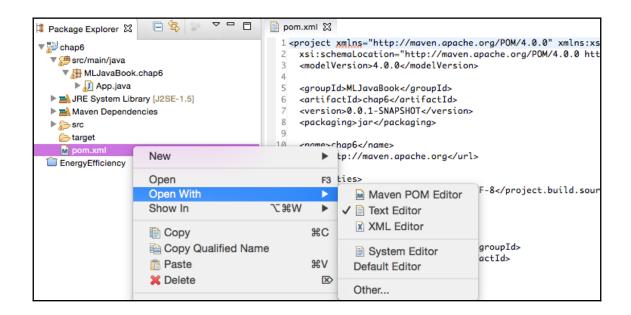
coffee	sauces-gravy-pkle	confectionary	puddings-deserts	dishcloths-scour	deod-disinfectan1	frozen foods	razor blades	fuels-garden aids	spices	jams-spreads
1	1	1	0	1	0	1	1	0	0	0
0	1	0	0	0	1	1	0	0	0	0
0	1	0	1	0	0	0	0	0	0	0
0	0	0	0	0	0	1	0	0	0	1
1	1	0	0	0	0	1	0	0	0	1
0	0	1	0	0	0	1	0	0	1	0
0	1	0	0	0	0	0	0	0	0	0
1	1	0	0	0	0	1	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	1	0	1	0	0	0	0	0	0	1
1	0	0	0	1	0	1	0	0	0	0
0	0	0	1	0	0	0	0	0	0	1
1	1	0	0	0	0	1	0	0	0	1
0	0	0	1	0	0	0	0	0	0	1
0	1	0	0	0	0	0	0	0	0	0
0	1	0	0	1	0	1	0	1	0	0
0	0	0	0	0	1	1	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
1	1	0	0	0	0	0	0	0	0	0
0	1	1	0	0	0	1	0	0	0	0
0	1	0	0	0	0	1	0	0	0	0
0	1	1	1	1	0	1	0	0	0	1
0	1	1	0	0	0	1	0	0	0	0
0	1	0	0	0	0	1	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0
0	0	0	1	1	0	1	0	0	0	0
0	0	0	0	0	0	1	0	0	0	0
0	1	1	1	1	1	1	0	0	0	0

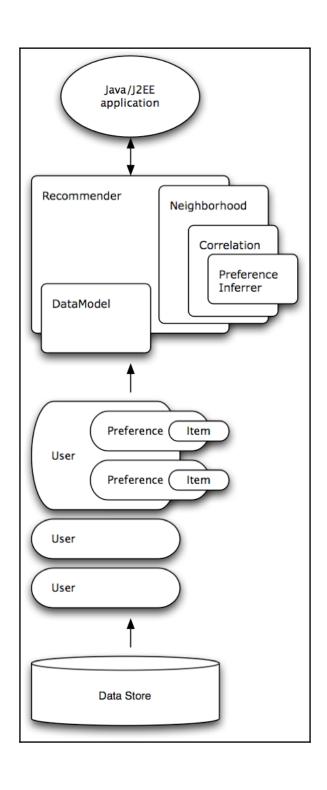
Chapter 6: Recommendation Engines with Apache Mahout



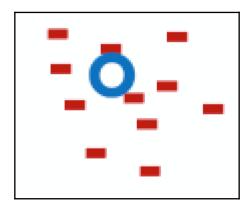


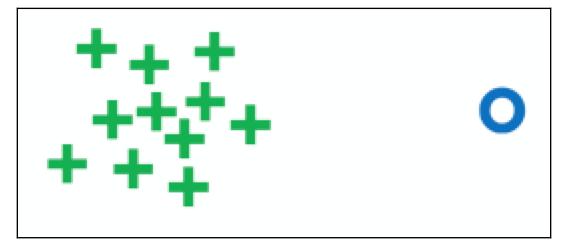


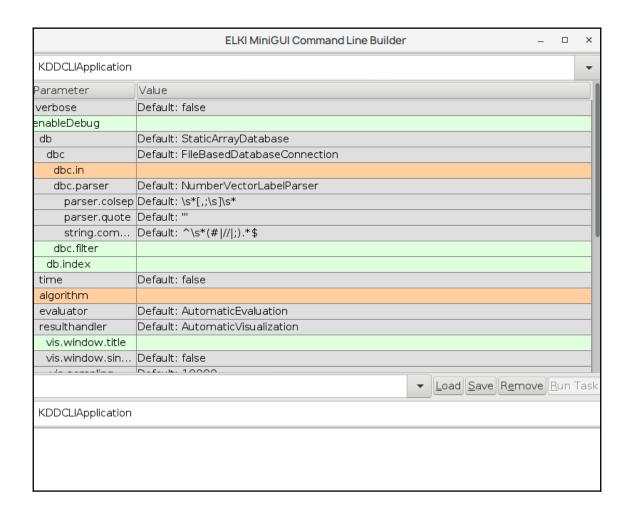


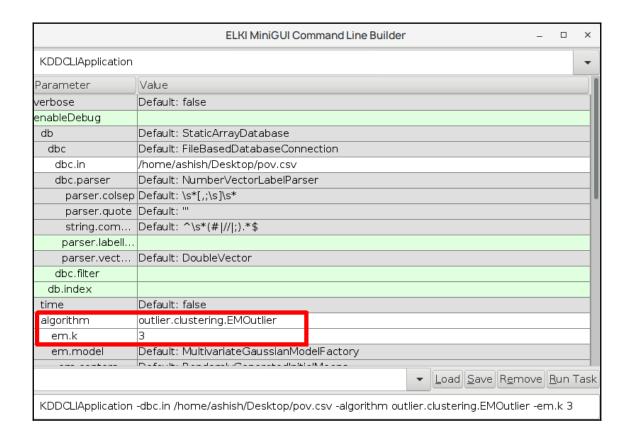


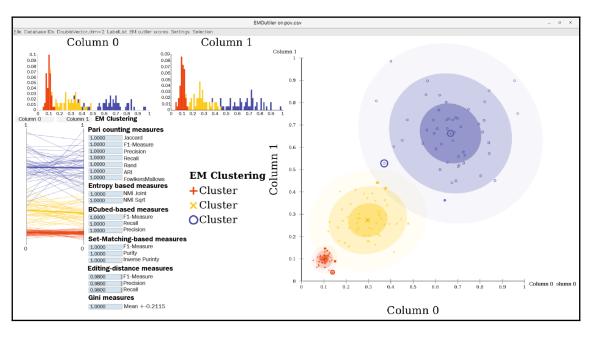
Chapter 7: Fraud and Anomaly Detection

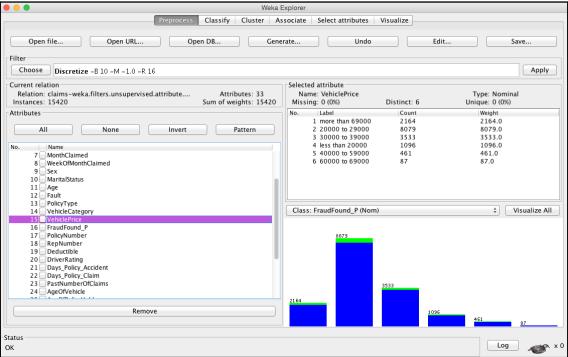










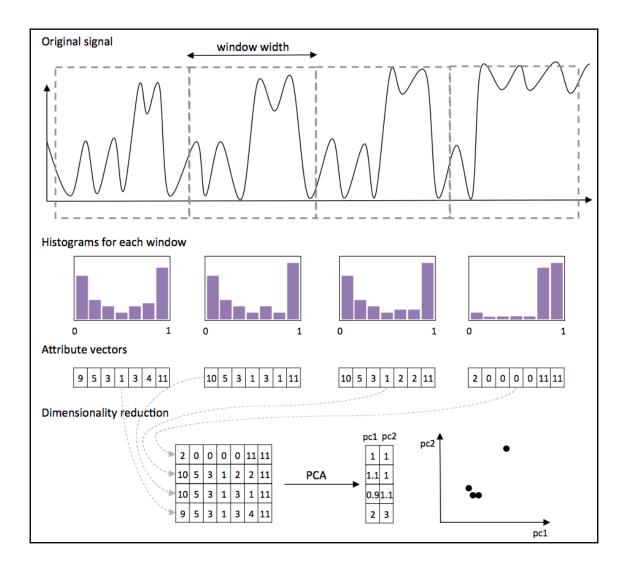


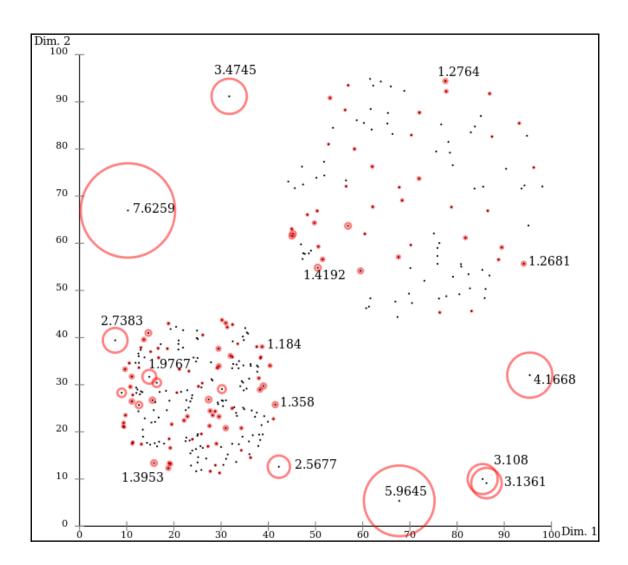
timestamp	value	anomaly	change point	trend	noise	12 hour seasonality	daily seasonality	weekly seasonality
1422237600	4333.4 3	0	0	4599	1.81	-190.95	-128.86	52.44
1422241200	4316.1 4	0	0	4602	-14.65	-220.5	-105.21	54.51
1422244800	4403.2 0	0	0	4605	7.04	-190.95	-74.39	56.51
1422248400	4531.2 0	0	0	4608	13.52	-110.25	-38.51	58.43
1422252000	4967.5 0	1	0	4911	-3.77	-6.91	-2.33	60.27

Snippet of the synthetic time-series data

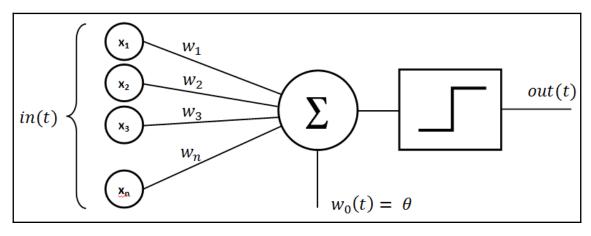
```
5/5 : Fold #5/5: Iteration #11841, Training Error: 0.00967311, Validation Error: 0.00971101
5/5 : Fold #5/5: Iteration #11842, Training Error: 0.00967347, Validation Error: 0.00971101
5/5 : Fold #5/5: Iteration #11843, Training Error: 0.00967307, Validation Error: 0.00971101
5/5 : Fold #5/5: Iteration #11844, Training Error: 0.00967294, Validation Error: 0.00971101
5/5 : Fold #5/5: Iteration #11845, Training Error: 0.00967279, Validation Error: 0.00971049
5/5 : Cross-validated score: 0.014463167741665992
Training error: 0.12863579930769156
Validation error: 0.15095164741019176
[NormalizationHelper:
[ColumnDefinition:SSN(continuous); low=0.000000, high=253.800000, mean=52.093210, sd=44.040046]
[ColumnDefinition:DEV(continuous); low=0.0000000, high=90.2000000, mean=20.235013, sd=11.781834]
Final model: [BasicNetwork: Layers=3]
```

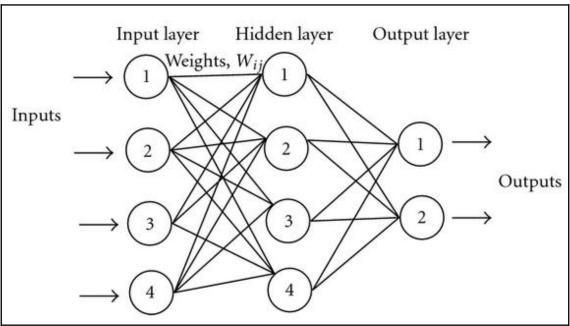
```
[85.0, 29.4] -> predicted: 58.32680191027322(correct: 85.0)
[83.5, 29.2] -> predicted: 62.63878508917436(correct: 83.5)
[94.8, 31.1] -> predicted: 69.58458712648326(correct: 94.8)
[66.3, 25.9] -> predicted: 56.15965608742752(correct: 66.3)
[75.9, 27.7] -> predicted: 84.0381501021095(correct: 75.9)
[75.5, 27.7] -> predicted: 82.55787155337393(correct: 75.5)
[158.6, 40.6] -> predicted: 93.87915314626278(correct: 158.6)
[85.2, 29.5] -> predicted: 66.10388017119621(correct: 85.2)
[73.3, 27.3] -> predicted: 75.19251547637754(correct: 73.3)
[75.9, 27.7] -> predicted: 74.80676780610727(correct: 75.9)
[89.2, 30.2] -> predicted: 160.14047862155184(correct: 89.2)
[88.3, 30.0] -> predicted: 84.23268317719584(correct: 88.3)
[90.0, 30.3] -> predicted: 72.70794834119994(correct: 90.0)
[100.0, 32.0] -> predicted: 75.19251547637754(correct: 100.0)
[85.4, 29.5] -> predicted: 88.21265297605454(correct: 85.4)
[103.0, 32.5] -> predicted: 87.31444771405583(correct: 103.0)
[91.2, 30.5] -> predicted: 89.01715854470413(correct: 91.2)
[65.7, 25.7] -> predicted: 99.22600549397221(correct: 65.7)
[63.3, 25.3] -> predicted: 84.43202049932576(correct: 63.3)
[75.4, 27.7] -> predicted: 102.3461160759432(correct: 75.4)
[70.0, 26.6] -> predicted: 90.2255277919527(correct: 70.0)
[43.5, 20.8] -> predicted: 65.54270217716528(correct: 43.5)
[45.3, 21.2] -> predicted: 63.293436645584066(correct: 45.3)
[56.4, 23.8] -> predicted: 74.71041358906953(correct: 56.4)
[60.7, 24.7] -> predicted: 69.58458712648326(correct: 60.7)
[50.7, 22.5] -> predicted: 44.31057240802326(correct: 50.7)
```

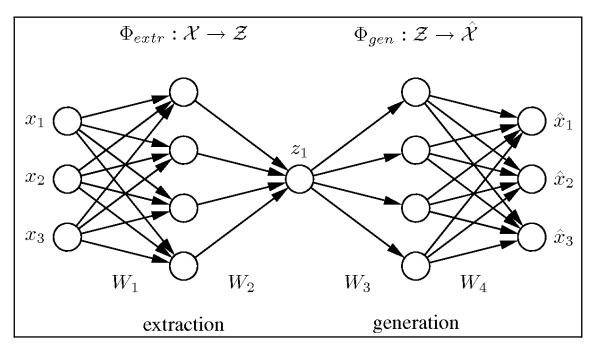


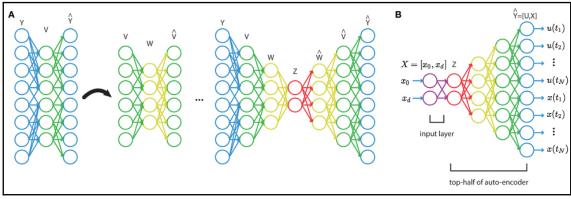


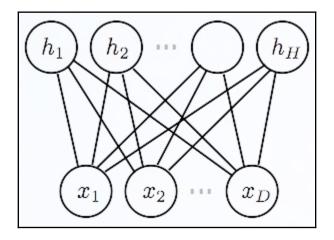
Chapter 8: Image Recognition with Deeplearning4j

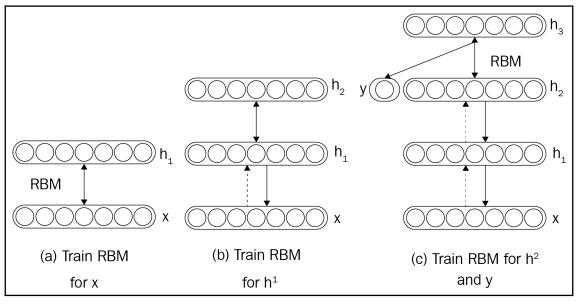




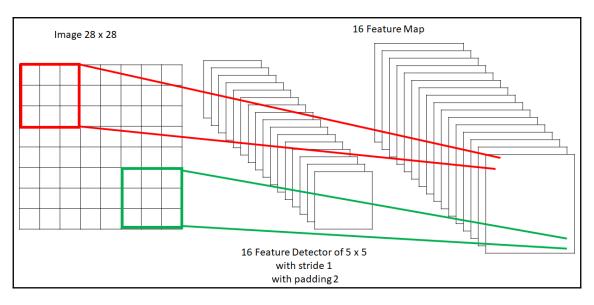


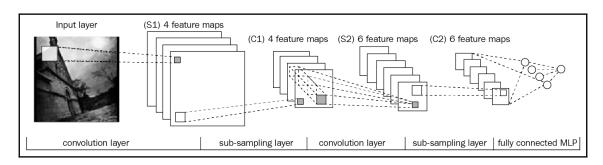


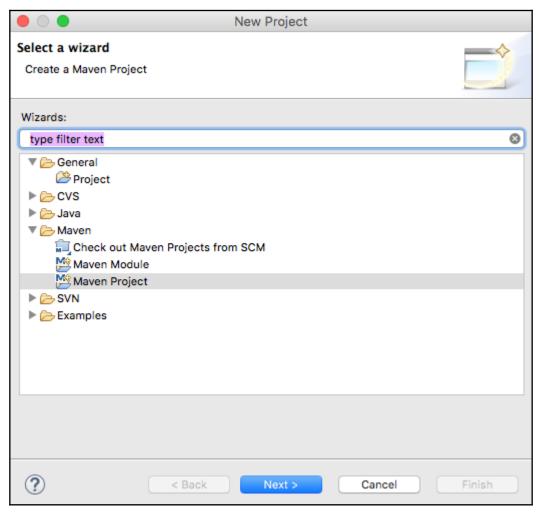


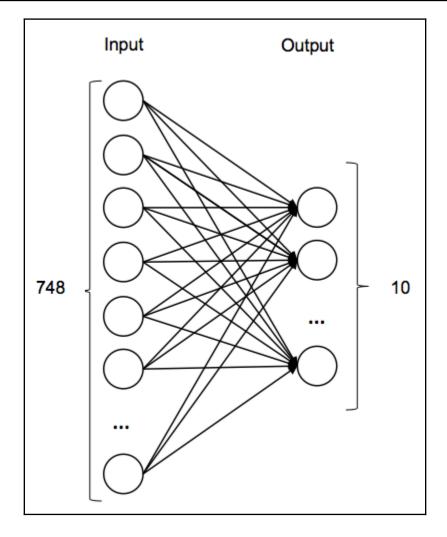


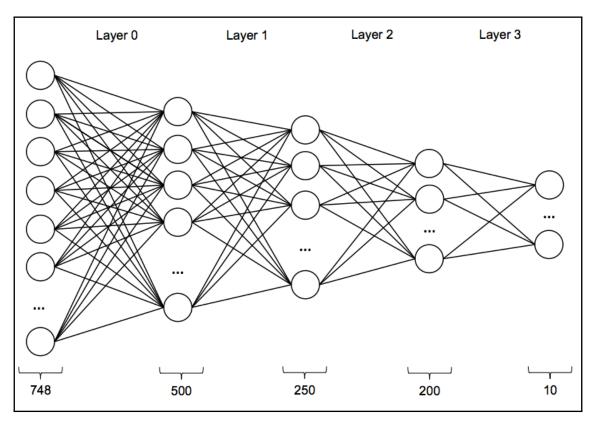
	0 0 1 1 0 0 Feature Detector / Kernel / Filter									
0	0	0	0	0	0	0	0		0	
0	0	0	0	0	0	0	0			
1	1	0	0	1	0	0	0			
1	1	1	1	1	1	1	1			
1	1	1	1	1	1	1	1			
1	1	1	1	1	1	1	1			
0	0	0	0	0	0	0	0			
0	0	0	0	0	0	0	0			
	Inp	out Ir	nage	9				1	Feature Map	

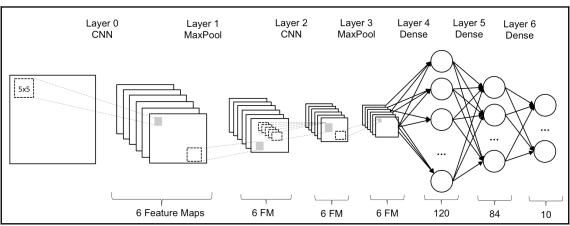




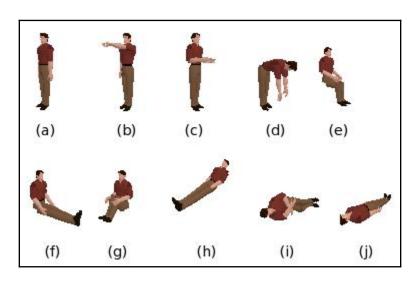


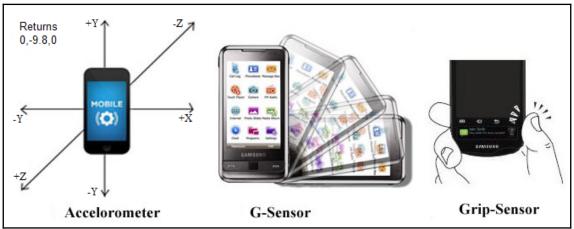


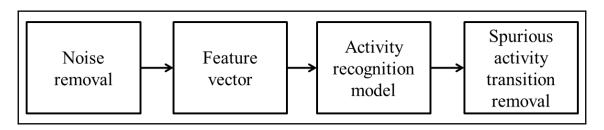


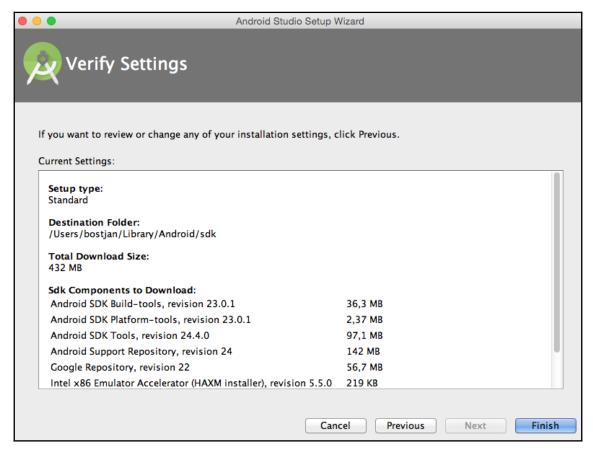


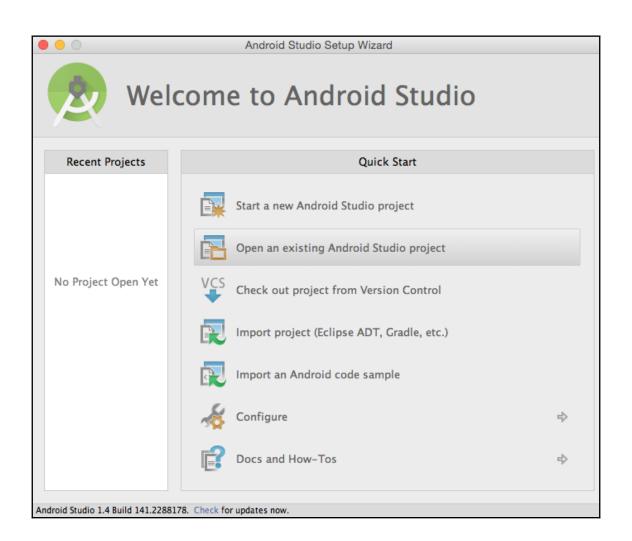
Chapter 9: Activity Recognition with Mobile Phone Sensors

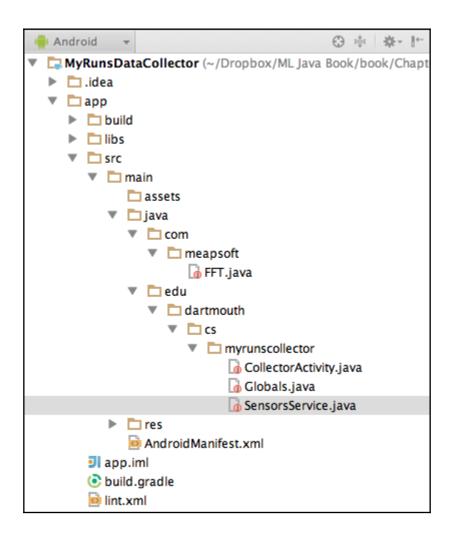


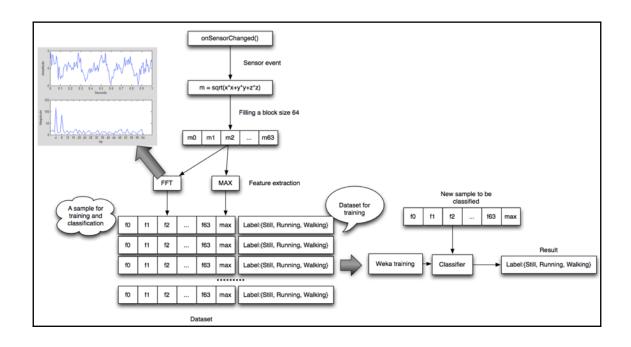


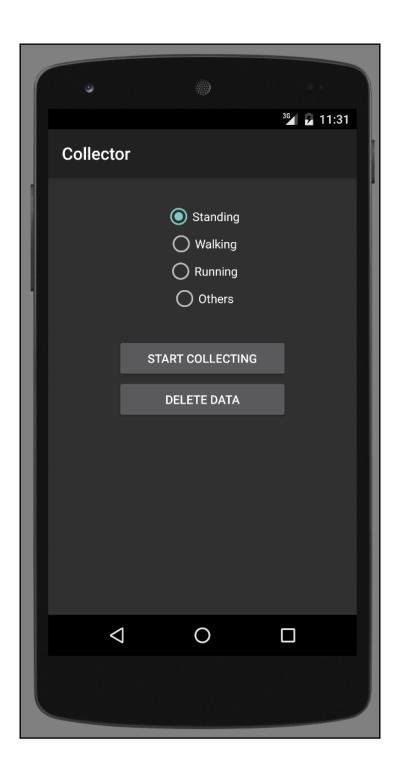




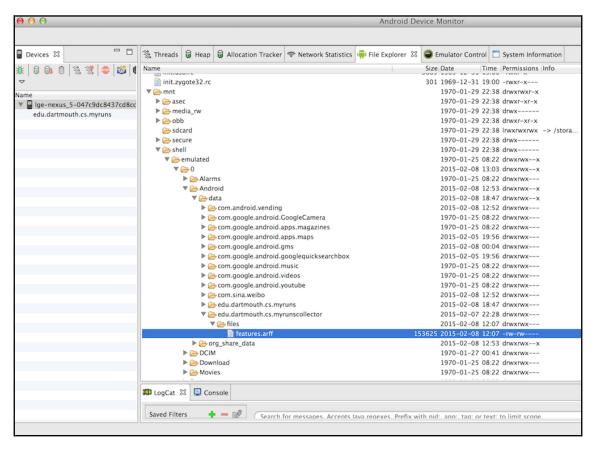












Chapter 10: Text Mining with Mallet – Topic Modeling and Spam Detection



cite MALLET

MAchine Learning for LanguagE Toolkit



mallet-2.0.8RC3.tar.gz mallet-2.0.8RC3.zip

Until 2.0.8 is an offical release the old 2.0.7 release will remain available. 2.0.8RC3 is much more stable than 2.0.7.

Current release: The following packaged release of MALLET 2.0 is available:

mallet-2.0.7.tar.gz mallet-2.0.7.zip (notes)

Windows installation: After unzipping MALLET, set the environment variable %MALLET_HOME% to point to the MALLET directory. In all command line examples, substitute bin\mallet for bin/mallet.

Development release: To download the most current version of MALLET 2.0, use our public GitHub repository:

from the command prompt to get the Mallet package.

To build a Mallet 2.0 development release, you must have the Apache ant build tool installed. From the command prompt, first change to the mallet directory, and then type

If ant finishes with "BUILD SUCCESSFUL", Mallet is now ready to use.

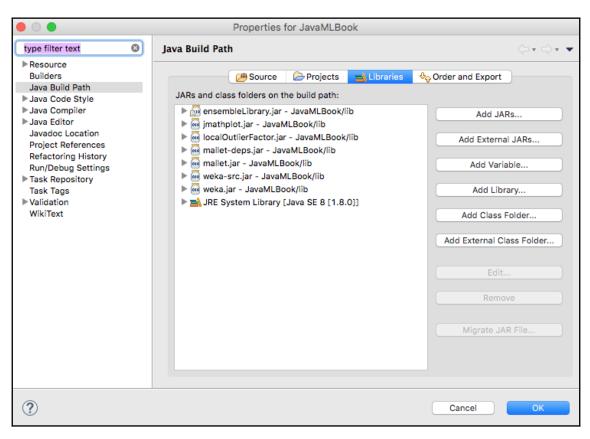
If you would like to deploy Mallet as part of a larger application, it is helpful to create a single ".jar" file that contains all of the compiled code. Once you have compiled the individual Mallet class files, use the command:

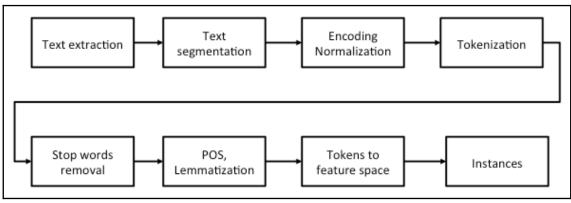
This process will create a file "mallet.jar" in the "dist" directory within Mallet.

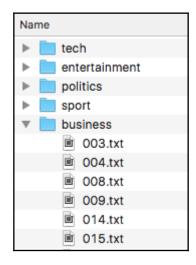
Older releases: MALLET version 0.4 is available for <u>download</u>, but is not being actively maintained. This release includes classes in the package 'edu.umass.cs.mallet.base", while MALLET 2.0 contains classes in the package

- mallet-2.0.6.tar.gz
- mallet-2.0.5.tar.gz (notes)
 mallet-2.0-RC4.tar.gz (notes)
 mallet-2.0-RC3.tar.gz (notes)
- mallet-2.0-RC2.tar.gz
- mallet-2.0-RC1.tar.gz
- mallet-0.4.tar.qz

Name	^ Size	Kind
▶ iii bin		Folder
build.xml	3 KB	XML
▶ class		Folder
▼ in dist		Folder
mallet-deps.jar	2,6 MB	Java JAR file
mallet.jar	2,2 MB	Java JAR file
▶ 📄 lib		Folder
LICENSE	12 KB	TextEdument
Makefile	4 KB	TextEdument
pom.xml	3 KB	XML
README.md	2 KB	Markdcument
sample-data		Folder
▶ src		Folder
▶ stoplists		Folder
▶ intest		Folder







Insight Resources Home Datasets Software Publications Insight Home

BBC Datasets

Two news article datasets, originating from BBC News, provided for use as benchmarks for machine learning research. These datasets are made available for non-commercial and research purposes only, and all data is provided in preprocessed matrix format. If you make use of these datasets please consider citing the publication:

D. Greene and P. Cunningham. "Practical Solutions to the Problem of Diagonal Dominance in Kernel Document Clustering", Proc. ICML 2006. [PDF] [BibTeX].

Dataset: BBC

All rights, including copyright, in the content of the original articles are owned by the BBC.

- Consists of 2225 documents from the BBC news website corresponding to stories in five topical areas from 2004-2005.
- · Class Labels: 5 (business, entertainment, politics, sport, tech)
- >> Download pre-processed dataset
- >> Download raw text files

Dataset: BBCSport

All rights, including copyright, in the content of the original articles are owned by the BBC.

- Consists of 737 documents from the BBC Sport website corresponding to sports news articles in five topical areas from 2004-2005.
- Class Labels: 5 (athletics, cricket, football, rugby, tennis)
- >> Download pre-processed dataset
- >> Download raw text files

OpenClassroom



Machine LearningAndrew Ng

Exercise 6: Naive Bayes

In this exercise, you will use Naive Bayes to classify email messages into spam and nonspam groups. Your dataset is a preprocessed subset of the Ling-Spam Dataset, provided by Ion Androutsopoulos. It is based on 960 real email messages from a linguistics mailing list.

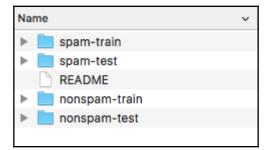
There are two ways to complete this exercise. The first option is to use the Matlab/Octave-formatted features we have generated for you. This requires using Matlab/Octave to read prepared data and then writing an implementation of Naive Bayes. To choose this option, download the data pack ex6DataPrepared.zip.

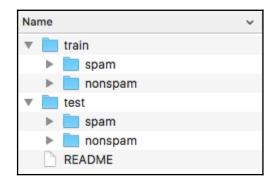
The second option is to generate the features yourself from the emails and then implement Naive Bayes on top of those features. You may want this option if you want more practice with features and a more open-ended exercise. To choose this option, download the data pack exeCDataEmails.zip.

RESOURCES

Syllabus FAQ

Credits/Acknowledgments





Chapter 11: What Is Next?

