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DATA MINING CLASSIFICATION APPLIED FOR TYPES OF PYREXIA ANALYSIS USING SPSS

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ABSTRACT

This case study entitled as "TYPES OF PYREXIA" was done by using Statistical Package for the Social Sciences (SPSS). The main objective of this case study is to find out which predict the various classes for the people who were affected by very dangerous pyrexia. In this case study has collected the data from several peoples in Theni district. This case study helps to classify, which category of peoples are affected which type of pyrexia. In this case study had the information about all type of pyrexia like SCARLET, TYPHOID, DENGUE, EBOLA, VIRAL, PNEMONIA, RHEUMATIC, CHIKUNGUNIYA, PARASITIC, MALARIA. This process was done by using the data mining process and graph representation in SPSS.

KEYWORDS: Data mining, Pyrexia, Classification Technique, Graph representation, SPSS **INTRODUCTION**

Theni is one of the citiy in Tamilnadu. Many people were alive in that place. Each one has affected by some diseases. Here we have taken Patient ID, Sex, Age, Nausea, vomiting, sore throat, headache, loss of appetite, high pyrexia, diarrhea, chest pain, shortness of breath, muscle aches, cough, pain of joints, disease, for classification. Here we collected the data from individual person about their disease around the Theni district.

In this case study predicted various classes of pyrexia such as SCARLET, TYPHOID, DENGUE, EBOLA, VIRAL, PNEMONIA, RHEUMATIC, CHIKUNGUNIYA, PARASITIC, MALARIA. In our case study is to classify the disease belongs to the people's symptoms. For example, SCARLET pyrexia has the symptoms of Nausea, vomiting, sore throat, headache, loss of appetite. TYPHOID pyrexia has the symptoms of Loss of appetite, headache, high pyrexia and diarrhea. PNEMONIA pyrexia has the symptoms of High pyrexia, shortness of breath, chest pain.

DENGUE pyrexia has the symptoms of High pyrexia, headache, nausea, vomiting, muscle aches. EBOLA pyrexia has the symptoms of High pyrexia, headache, muscle aches, loss of appetite, vomiting, diarrhea, sore throat. VIRAL pyrexia has the symptoms of High pyrexia, muscle aches, sore throat, head ache, cough, and diarrhea. CHIKUNGUNIYA has the symptoms of Head ache, nausea, vomiting, high pyrexia, pain of joints, muscle pain. PARASITIC pyrexia has the symptoms of Diarrhea, loss of appetite, cough, high pyrexia, vomiting. RHEUMATIC pyrexia had the symptoms of High pyrexia, pain of joints, chest



pain. MALARIA has the symptoms of High pyrexia, headache, nausea, vomiting, cough, muscle pain. In our case study is to classify the disease belongs to the people's symptoms.

METHODOLOGY

In this case study, we have classified the disease according to the people's symptoms using data mining techniques.

We need to use learning algorithms that can produce result in order to rank the testing examples. Algorithm which is used in classification called as graph representation. Graph methods build a collection of rules for use as a predictive model.

Step1

In this first step we created a variable view. Input variables are identified. They are declared as var1 as Patient ID, var2 as Sex, var3 as Age, var4 as Nausea, var5 as vomiting, var6 as sore throat, var7 as headache, var8 as loss of appetite, var9 as high pyrexia, var10 as diarrhea, var11 as chest pain, var12 as shortness of breath, var13 as muscle aches, var14 as cough, var15 as pain of joints, and var16 as disease.

	Name	Туре	Width	Decimals	Label	Values	Missing	Columns	Align	Measure	Role
1	PATIENTID	Restricted	3	0		None	None	8	🔳 Right	Unknown	> Input
2	SEX	String	6	0		None	None	8	📰 Left	🚴 Nominal	🔪 Input
3	AGE	String	12	0		None	None	8	📰 Left	🚴 Nominal	Y Input
4	NAUSEA	String	8	0		None	None	9	🖺 Left	🚴 Nominal	🔪 Input
5	VOMITING	String	8	0		None	None	8	📰 Left	🚴 Nominal	> Input
6	SORETHR	String	8	0		None	None	8	📑 Left	💰 Nominal	🔪 Input
7	HEADACHE	String	8	0		None	None	8	📰 Left	🚴 Nominal	🔪 input
8	LOSSOFAP.	String	8	0		None	None	8	🖉 Left	🚴 Nominal	🔰 Input
9	HIGHFEVER	String	8	0		None	None	8	📰 Left	🚴 Nominal	> Input
10	DIARRHEA	String	8	0		None	None	8	📰 Left	🚴 Nominal	🔪 Input
11	CHESTPAIN	String	8	0		None	None	8	📰 Left	🚴 Nominal	🔪 input
12	SHORTNES.	String	8	0		None	None	8	🖺 Left	🚴 Nominal	🔰 Input
13	MUSCLEA	String	8	0		None	None	8	📰 Left	🚴 Nominal	> Input
14	COUGH	String	8	0		None	None	8	📑 Left	💰 Nominal	🔪 Input
15	PAINOFJOI	String	8	0		None	None	8	📰 Left	🚴 Nominal	🔪 input
16	DISEASE	String	20	0		None	None	14	🖉 Left	🚴 Nominal	🖌 Input
17	VAR00001	String	15	0		None	None	15	≣ Left	🚴 Nominal	> Input

Step2

In this second step, we want to fill our collected data in data view.



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	PATIENTED	=1	atte	NAU	VOMITORO	SORETHROAT	HEADACHE	LOSSPAFFETITS	H)OHITEVE	R DIARSHE	A CHESTPAD	S BORTAR BORRATH	MUSCLEACHER	COLOR	PADIOP70DITS	DIMAM
1	901	(inside	yraig	125	725	121	YES	125	310	100	300-	80	ND	ND	3/0	SCARLET PEVER
2	902	## 3	weiter	375	70	310	YES	185	785	YES	300	NO	ND	100	310	TYPNCO FEVER
1	803	famale	mittle age	6.122	121	30	YES	NO	121	390	310	310	YES	215	30	MALARIA
ŧ	304	(and	weiter	310	30	570	100	30	181	100	VES	VE1	310	190	392	PNENONIA PEVI
1	405	na's .	young .	125	TES	200	YES	210	127	310	310	310	YES	ND	200	DENOUS PEVER.
1	006	fierals	10000	3/0	155	310	NO	183	Y25	YES	310	310	ND	783	310	PARASTIC PEVE
1	807	ean -	mittle spo	4.185	TES.	30	YES	NO	YER	50	310	310	YES	YES	30	MALARIA
1.	.004	(init)	your .	310	30	NO	10	30	YES -	310	V88	310	NO	ND	183	REBUILATIC PE
	809	ésið.	years	188	TES.	3/0	Y88	30	Y88	90	310	310	125	10	728	CHEUNOCNYA
6	111	feetale	Method -	3/0	30	TES	Y89	30	588	729	540	510	Y15	785	3/0	VIRAL PRVER
Į.	811	este	minte spe	6.50	350	30	xi0	30	YES	50	135	50	50	NO	151	REFUMATICES
1	(412)	Tettale.	mojor	100	188	TES.	188	TES.	YES	188	310	340	Y88	140	NO	EBOLA FEVER
1.	1417	treak	SAM1	188	TES	188	V28	153	510	300	302	NO	NO	ND	310	SCARLET FEVER
4	104	643	weiter	188	185	300	585	200	581	300	310	305	785	ND	300	DENGUE FEVER
1	815	este .	trung .	50	310	30	185	185	185	185	540	30	ND	ND	30	TYPHOLD FEVE
	.018	fenale	midde ages	017.1	123	121	125	VER.	VEL	YES	300	10	733	ND	300	EBOLA PEVER
1	017	Secula	midde app	6 3/0	783	121	VEL	123	VEI.	VEL	300	100	785	ND	300	EBOLS PUTE
1	010	640	being .	121	TEL	NO	YES	310	VEI	305	310	100	783	ND	310	DENOUS PEVER.
8	818	sin.	webber	125	785	30	125	350	VES.	510	310	30	135	10	30	DENOUS PEVER.
0	020	64 0	midde apo	0.6.6	20	0/0	222	122	VEL	YES	310	10	10	ND	500	TYPHOLD FRYER
10	021	female	midde ape	4 183	TES	TES	YES	123	110	100	310	10	10	ND	310	SCARLET FEVER
1	012	female	intider .	125	183	00	YES	310	YES	302	310	10	¥83	NO	00	DENOUT PEVER.
1	913	heak	mittle apo	630	783	TES	185	125	YES	Y85	310	310	785	ND	30	RECLAPEVER.
4	124	heat	midde apr	1185	TES	30	YE8	NO	188	10	310	310	YES	140	3/0	DEVOUR REVER
t.	415	-	Mani doct	30	TES	30	50	758	188	Y88	340	90	190	788	30	PARASTIC FEVE
4	624	-	unior	188	123	50	Y88	010	Y81	30	310	50	TES	10	TES	CHRUSOUNTA
	927	Detaile	State .	188	TES:	TES.	188	TES	30	NO	340	50	10	NÖ	30	SCARLET FEVER
1	628	esa	midde apo	1788	TES	350	YES	NO	YEI	110	310	3/0	YES	115	30	MALARIA
	828		moior	188	TES	00	YE8	010	151	500	340	340	785	ND	300	DENOUS FEVER
10	036	649	midde ups	4.188	TES	NO	588	00	751	50	300	IND .	785	YES	N0	MALATIA
	14		-													



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		r	2			H I		2		6	45				
X	female														Visible: 17 of 1
	PATIENTID SEX	101	X402	A VOMITING	SORETHROAT	HEADACHE	LOSSOFAPPETITE	HIGHFEVER	DIARRHEA	CHESTPAR	SHORTNESSOFEREATE	MUNCLEACHES	COTCE	PADNOFICINTS	REN
	031 cale	sector	NO	300	300	TES	YES	YES	185	330	300	300	310	NO	TYPHOD REVER
8	032 female	youg	TES	YES	300	YES	X0	YES	30	30	30	YES	30	NO	DENGUE FEVER
	033 female	HEIN	TES	Y85	305	YES	300	YES	30	300	30	TES	30	YES	CHRIDOGIDUYA
	034 female	nidde a	ged TES	YBS	330	TES	330	YES	370	30	300	YBS	X0	YES	CHIKUNGUNIYA
	035 male	yrag	TES	TES	300	TES	NO	YES	310	300	30	TES	340	10	DENGUE FEVER
	036 caste	letior	TE\$	125	330	TES	300	YES	300	370	30	TES	330	YES	CHIEDOGLUTYA
	097 female	middle a	ged NO	785	YES	TES	Y25	YES	YES	30	30	TES	30	NO	EBOLA FEVER
	038 male	jani	TES	YES	330	TES	NO	YES	300	330	300	TES	30	NO	DENGUE FEVER
	039 caste	seiter	NO	300	300	NO	NO	YES	30	YES	300	300	310	YES	RHEUMATIC FEVE
	040 ctale	nidde s	ged NO	30	300	ND	N0	YES	30	YES	TES	30	30	NO	PNEMONIA FEVER
	043 female	young	TES	YB5	305	YES	300	YES	300	300	30	TES	30	NO	DENGUE FEVER
	042 female	your	TES	YBS	300	YES	NO	YES	370	30	30	YBS	W	YES	CHIKUNGUNIYA
	(43 cule	letion	TES	YHS	300	YES	NO	YES	30	300	3/0	TES	YES	NO	MALARIA
	044 cmbr	middle a	ged NO	125	YES	TES	YES	YES	YES	370	30	TES	340	NO	EBOLA FEVER
	045 female	young	TES	187	300	YES	NO	TES	30	30	30	TES	30	NO	DENGLE FEVER
	046 female	midde a	ped TES	125	30	TES	NO	YE5	30	30	30	TES	30	YES	CHRUNGENIYA
	047 cale	young	NO	300	300	NO	NO	YES	30	YES	YES	300	310	NO	PNEMONIA FEVER
1	048 female	midde a	ed TES	YES	300	TES	NO	YES	30	30	30	TES	NO	NO	DENGUE FEVER
4	(49 mile	middle a	ged NO	X0	3/0	NO	300	YES	300	125	TES	30	30	NO	PNEWONIA FEVER
	050 female	nittle a	eed NO	30	305	TES	YES	YES	YES	30	20	30	W.	NO	TYPHOD REVER
	051 female	yrag	TES	YES	300	TES	NO	YES	310	300	30	TES	340	NO	DENGUE FEVER
	052 female	nidde a	ged NO	125	30	NO	YBS	YES	YES	370	300	310	YES	NO	PARASTIC FEVER
	053 female	middle a	pet TES	785	300	TES	NO	YES	30	30	30	TES	30	YES	CHIKUNGUNIYA
	054 male	BUILDE	NO	330	YES	TES	NO	YES	YES	310	30	TES	YES	NO	VIRAL FEVER
	055 cale	young	TES	YES	330	TES	30	YES	30	30	30	TES	330	NO	DENGUE FEVER
	056 cale	midde s	ged NO	30	300	ND	NO	YES	30	YES	TES	30	330	NO	PNEMONIA FEVER
	estim TCO	young	TES	YBS	3/0	TES	330	TES	30	30	310	TBS	330	YES	CHRUNGUNIYA
	058 female	YOURS	NO	YBS	330	NO	YBS	YES	YES	30	300	30	YES	NO	PARASTIC FEVER
	Qi9 female	yrme	NO	YES	YBS	TES	YZS	YES	YES	300	300	TES	30	3/0	EBOLA FEVER
	060 cm/s	ietior	TES	YES	330	TES	NO	YES	30	370	300	TES	XO	NO	DENGUE FEVER
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For	liew Data Trai	istom <u>A</u>	nalyze C	Direct Market	ng <u>G</u> raphs	Utitates A	dd-ons Window	v <u>H</u> elp							
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EASE	СНКЛ	NGUNIYA													Visible: 17 of 1
	PATIENTID SEX	305	NAUER	VOMITING	SORETHROAT	HEADACHE	LOSSOFAPPETIT	E HIGHFEVES	DIARREA	CHESTPAC	SHORTNESSOFEREATH	MUSCLEACHES	COTCH	PAINOFICINTS	DIEXE
	(61 female	yrag	330	NO	TES	YES	3/0	YES	YES	30	M0	YES	YES	370	VERAL FEVER
	067 maie	yezy	300	30	370	YES	TES	YES	YES	30	310	NO	NO.	330	TYPHOLD FEVER
1	063 female	midde age	et YBS	TES	370	YES	3/0	YBS	330	310	30	YES	W0	TES	CHRUNGINITA
	064 male	nin	YES	TES	370	YB5	3/0	YES	300	30	30	YES	ND	310	DENGLE FEVER
	Q65 female	yrusg	310	NO	370	YES	TES	YE5	YES	30	X0	%0	MD	370	TYPHOLD FEVER
	066 mais	nitte sp	d 300	NO	TES	YBS	3/0	YES	YBS	300	340	YES	YES	310	VIRAL FRVER
	(67 famala	yrag	YES	TES	370	YES	30	YES	30	300	330	YES	NO	30	DENGUE FEVER.
	(65 mile	yours	30	80	TEŚ	YES	30	YES	YBS	340	340	YES	YES	30	VIRAL FEVER
	069 female	midde age	d/30	TES	TES	YES	TES	YE5	YES	30	NO	YES	ND	3/0	BBOLA FEVER
	011 mais	nine	TES	TES	30	YES	50	YES	N0	340	310	YES	NO.	300	DENGUE FEVER
2	011 female	yras	330	30	TES	YES	3/0	YES	YES	30	N0	YES	YES	30	VIEAL FEVER
	012 state	midde age	630	TES	TES	YB5	TES	YES	YES	N0	30	YES	ND	370	SECLA FEVER
	013 male	BEIN	YES	TES	370	YES	NO	YES	30	30	NO	735	ND	TES	CHIKUNGINITA
	074 Senate	nitte sp	ed YES	TES	070	YES	30	YES	XQ	340	300	YES	NO	070	DENGUE FEVER
	(15 male	yras	YES	TES	350	YES	30	YES	30	300	310	YES	NO	30	DEVICE FEVER
	(76 female	serior	30	30	N0	30	30	YES	30	YBS	NO	NO	ND	TES	REUMATIC FEVER
	011 male	STRE	30	N0	30	310	3/0	YES	340	YES	YBS	NO	ND	370	PNEWONLA FEVER
	071 mais	midde age	et YES	TES	350	YES	NO	YES	30	340	310	TES	NO	330	DENGLE FEVER
6	079 sale	midde age	630	30	50	305	370	YES	300	YES	YES	NO	NO	30	FNEWONIA FEVER
á.	000 fecade	VERE	YES	TES	NO	Y85	370	YES	300	NO.	30	YES	NO	370	DENGLE FEVER
	(81 male	YERE	30	NO	370	YES	TES	YES	YES	30	NO	N0	NO	370	TYPHOLD FEVER
		midde age	d TES	TES	070	YES	370	YES	100	340	30	YES	YES	300	MALAZIA
	(43 female	yras	YES	TES	370	YES	NO	YES	30	300	310	YES	NO	N0	DENGLE FEVER
	(84 male	yours	30	NO	3/0	330	30	YES	300	Y85	340	NO.	ND	TES	REUNATIC FEVE
	(05 male	yrag	30	NO	370	340	370	YES	340	YES	YBS	NO	NO	3/0	PNEMONTA FEVER
		midde ag	et YES	TES	30	YES	NO	YES	330	30	340	YES	NO.	300	DENGUE FEVER
	087 female	-	30	30	TES	YES	370	YES	YES	310	340	YES	YES	30	VIRAL FRVER
	000 male		30	TES	TES	YB5	TES	YES	YES	NO.	30	YES	ND	370	EBOLA FEVER
		nitte 19	e YES	TES	370	YES	NO	YES	30	300	NO	YES	NO	300	DENGLE FEVER
	(0) Senate		YES	TES	070	YBS	30	YBS	30	300	340	YES	NO	070	DENGUE FEVER
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SEASE	СНКЛ	NGUNIYA	ŝ												Visible: 17 of 17
	PATIENTID SEA	AGE	NACE:	A VOMITING	SORETHROAT	HEADACHE	10390FAP91	ET/TE EIGHPEV	ER DIAFRHE	CHESTPAD	SHORTNESSOFEREATE	MUSCLEACHES	COUCE	PAINOFICINTS	2KZIG I
1	(91 Sena)	e young	30	NO.	NO	TES	YES	TES	TES	NO	NO	50	NO	300	TYPHOLD FEVER
1	(92 fieral)	e mittles	pd TES	YES	NO	TES	ND	TES	NO	NO	80	TES	NO	300	DEVICUE FEVER
P	095 state	young	30	NO	NO	TES	YES	TES	TES	NO	NO	NO	3/0	330	TTPHOLD FEVER
4	094 Seculi	e yours	30	YES	NO	30	TES	TES	TES	80	NO	30	TES	3/0	PARASTIC FEVER
5	(85 male	mittle s	ed TES	YES	ND	TES	ND	TES	NO	NO	NO	TES	NO	300	DENGUE FEVER
6	(96 maie	yours	30	NO	NO	NO	NO	TES	NO	TES	NO	N0	NO	YES	RHEUMATIC FEVER
te -	(67 male	yours	30	NO	ND	30	ND	TES	ND	TES	TES	30	NO	310	PNEMONIA FEVER
I.	(55 female	e midde a	pd TES	YES	NO	TES	NO	TES	NO	NO	NO	TES	NO	310	DENOUE REVER
£.	(89 male	young	TES	TES	NO	TES	NO	TES	NO	NO	NO	TES	TES	300	MALARIA
0.	100 male	yezzig	TES	TES	NO	TES	ND	TES	NO	NO	NO	TES	NO	300	DENOUE FEVER
L:	iti nate	mittle a	ed TES	YES:	NO	TES	ND	TES	NO	NO	NO	TES	TES	330	MALARIA
12	102 Seculi	e yezeg	TES	YES	NO	TES	NO	TES	80	80	ND	TES	30	310	DENGUE FEVER
13	109 male	501015	TES	YES	ND	TES	ND	TES	NO	NO	NO	TES	TES	310	MALARIA
14	104 female	e midde a	pd TES	TES	NO	TES	NO	TES	NO	NO	ND	TES	NO	300	DENGUE FEVER
15	165 male	youg	TES	TES	NO	TES	NO	TES	NO	NO	NO	TES	NO	30	DENGUE REVER
16	106 female	e yours	30	YES	TES	TES	TES	TES	TES	NO	NO	TES	NO	310	EBOLA FEVER
17	107 Secul	e young	TES	TES	NO	TES	ND	TES	NO	NO	NO	TES	NO	300	DEVICUE REVER
1	100 male	mittle a	pd 310	NO	ND	370	NO	TES	NO	TES	80	NO	NO	YES	SHEUMATIC PEVER
9	109 state	mittle a	pd X0	NO	NO	370	30	TES	NO	TES	TES	NO.	30	330	PNEMONIA FEVER
0	111 femál	e 19905	30	NO	NO	TES	785	TES	TES	80	¥0	30	30	310	TYPHOLD FEVER
1	111 male	young	TES	YES	ND	TES	ND	TES	NO	NO	NO	TES	NO	310	DENGUE FEVER
2	112 female	e young	30	NO	YES	TES	NO	TES	TES	NO	NO	TES	TES	300	VIEAL FEVER
3	113 male	mittle 1	pet TBS	TES	NO	TES	NO	TES	NO	NO	NO	TES	NO	30	DEVOLE FEVER
4	114 female	e young	30	ND	ND	30	NO	TES	NO	TES	NO	30	NO	VES	SHEUMATIC FEVER
5	115 5000	e mittles	pd 30	NO.	NO	30	ND	TES	NO	TES	TES	30	NO	300	PNEMONIA FEVER
6	116 female	e yezeg	TES	TES	ND	TES	NO	TES	NO	NO	NO	TES	NO	300	DEVOLE FEVER
7:	117 state	mittle a	pd NO 🗧	NO	NO	30	NO	TES	NO	TES	TES	NO	NO	300	FINEMONIA FEVER
8	110 cale	10205	30	YES	TES	TES	YES	TES	TES	80	NO	TES	NO	3/0	EBOLA FEVER
9	119 femá	e youg	TES	YES	ND	TES	ND	TES	NO	NO	NO	TES	NO	370	DEVICUS FEVER
0	111 female	e midde a	ged NO	NO	NO	TES	YES	TES	TES	NO	ND	NO	NO	310	TTPHOLD FEVER
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H		P	10	N E					2		9	-				
(male															Visible: 17 of 17
	PATIENTID SX	40	2	NAUSA	VOMITING	SORETHROAT	HEADACHE	LOSSOFAPPETI	te highfeve	R DIARGEEA	CHESTPAC	SEORTIESSOFBREATH	MUSCLEACHES	COTCH	PAINOFICINTS	REAR
1	121 cale	yra;		TES	TES	370	Y35	370	YES	305	300	M0	TES	NO	310	DENGLE FEVEL
1	112 mile	(102)		300	30	30	330	NO	YES	XQ	125	N0	NO	NO.	TES	RHEUMATIC FEVER
ķ.	113 female	niti	e sipd	TES	TES	30	YES	30	YES	300	30	X0	YES	N0	NO	DENOLE FEVER
ŧ.,	134 femile	yrag	1	30	30	370	YE5	TES	YES	YES	30	W	NO	ND	30	TYPHOLD FEVER
	115 femile	yrag		785	TES	370	YES	X0	YES	30	X0	M	785	MD	370	DENGLE FEVEL
	Lli femile	nitt	enpel	XQ	TES	TES	YBS	TES	YES	YES	W	M	YES	NO	30	EBOLA FEVER
	117 mile	yra;	1	300	X0	370	YES	TES	YES	YBS	M	M	N0	MD	20	TYPHOLD FEVER.
	lli nit	ying:		TES	TES	300	YES	X0	YES	300	W	300	YES	ND	50	DENGLE FEVER
	139 male	nitte	e uged	300	NO	30	330	070	YES	300	YBS	YBS	NO	MD	370	PNEMONI, A FEVER
	131 femile	(yna)		TES	TES	80	YES	NO	YES	XQ	30	30	TES	TES	NO	MALATIA
	ili sik	yrag	1	YBS	TES	30	YES	370	YES	30	330	10	YES	W0	NO S	DENOLE FEVER
	131 femá	niti	espt	30	30	370	185	TES	YES	YES	300	W	NO	NO	370	TYPHOLD FEVER
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	134 mais	yras		YES	TES	00	YES	30	YES	30	W	W	YES	NO	NO	DENGLE FEVEL
	135 mile	ntte	e aged	00	NO.	30	30	30	YES	30	185	X0	N0	NO	TES	RHEUMATIC FEVEL
	Lif mit	nitte	e sped	30	30	30	XX	XO	YES	300	YBS	YBS	NO	ND	50	PNEMONIA FEVER
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	145 female	5183		300	NO	310	335	370	YES	W	YBS	Y85	W0	NO	310	PNEMONIA FEVER
	146 maia	-				30	195	370	YES	330	30	10	TES	NO	370	DENGLE FEVER
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	149 male				-100 A		305	TES	YES	YES	300	N	NO		370	PARASTIC FEVER
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	PATIENTID SEX	AGE	NAUSA	VOMITING	SORETEROAT	HEADACHE	10550FAPPET/T	S HIGHFEVE	R DIARRHEA	CHESTPAD	SHORTNESSOFEREATH	MUSCLEACHES	COUGH	PAINOFICINTS	DISEASE
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	152 stale	middle aged	TES	YES	NO	YES	380	YES	NO.	NO	30	TES	300	NO	DENGUE FEVER
1	159 female	young	NO	YES	YES	YES	YES	YES	TES	NO	310	TES	300	NO	EBOLA FEVER
1	154 male	mittle apet	TES	YES	NO	YES	ND	YES	NO	30	300	YES	310	NO	DENGUE FEVER
	155 densie	young	NO	330	NO	3/0	300	YES	NO	TES	50	NO	370	YES	RHEUMATIC FEVER
	156 female	young	TES	YES	NO	YES	N0	YES	NO	NO	00	TES	300	NO	DENGUE FEVER
	157 male	young	TES	YES	NO	YES	300	YES	NO	30	50	TES	330	NO	DENGUE FEVER
	158 male	middle aged	NO	3/0	NO	YES	YES	YES	TES	NO	50	NO	30	NO	TIPBOID FEVER
	159 female	TOTAL	NO	340	NO	NO	NO	YES	NO	TES	YES	NO	300	NO	PNEMONIA FEVER
1	160 male	young	NO	NO	NO	ND	330	YES	NO.	TES	300	NO	300	YES	RHEUMATIC FEVER
1	161 female	midde aged	TES	YES	NO	YES	370	YES	NO	NO	30	TES	300	NO	DEMOUS PEVER
1	162 male	young	TES	YES	NO	YES	NO	YES	NO	30	300	YES	310	NO	DEWGUE FEVER
	163 female	70085	TES	YES	NO	YES	380	YES	NO	NO	20	YES	310	NO	DENGUS FEVER
	164 male	young	NO	340	YES	YES	N0	YES	TES	NO	300	TES	YES	NO	VIRAL FEVER
	165 female	mittle spet	TES	YES	NO	YES	300	YES	NO	30	50	TES	330	YES	CHIKUNGUNIYA.
	166 male	young	TES	YES	NO	YES	NO	YES	NO	NO	50	TES	30	NO	DEMOUE FEVER
	167 female	young	NO	3/0	YES	YES	NO	YES	TES	30	300	YES	VES .	¥0	VIRAL FEVER
	163 male	middle aged	NO	YES	YES	YES	YES	YES	TES	NO	330	TES	300	NO	EBOLA FEVER
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	172 male	young	TES	YES	NO	YES	N0	YES	NO	NO	500	TES	YES	NO	MALARIA.
	173 male	middle aged	TES	YES	NO	YES	300	YES	NO	30	20	YES	330	NO	DENGUS FEVER
	174 female	young	NO	YES	TES	YES	YES	YES	YES	NO	50	YES	30	NO	EBOLA PEVER
	175 female	young	TES	YES	NO	YES	NO	YES	NO	N0	300	YES	300	NO	DENGUE FEVER
1	176 stale	young	TES	YES	NO	YES	340	YES	NO.	NO	30	TES	310	YES	CHIKUNGUNIYA
Ĩ	177 female	young	TES	YES	NO	YES	310	YES	NO	NO	330	YES	YES	NO	MALARIA
1	178 female	young	TES	YES	NO	YES	340	YES	NO	30	310	YES	310	ND	DENGUE FEVER
	179 male	10205	NO	YES	NO	30	YES	YES	YES	30	300	NO	YES	NO	PARASTIC FEVER
	180 female	mittle aged	TES	YES	NO	YES	NO	YES	NO	NO	00	TES	370	NO	DENGUE FEVER

Data Wew Variable View



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과	194 tensk	pation	30	300	30 -	YES	TĒS	TES	185	30	30	30	300	NO	TYPHOLD REVER
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Step3

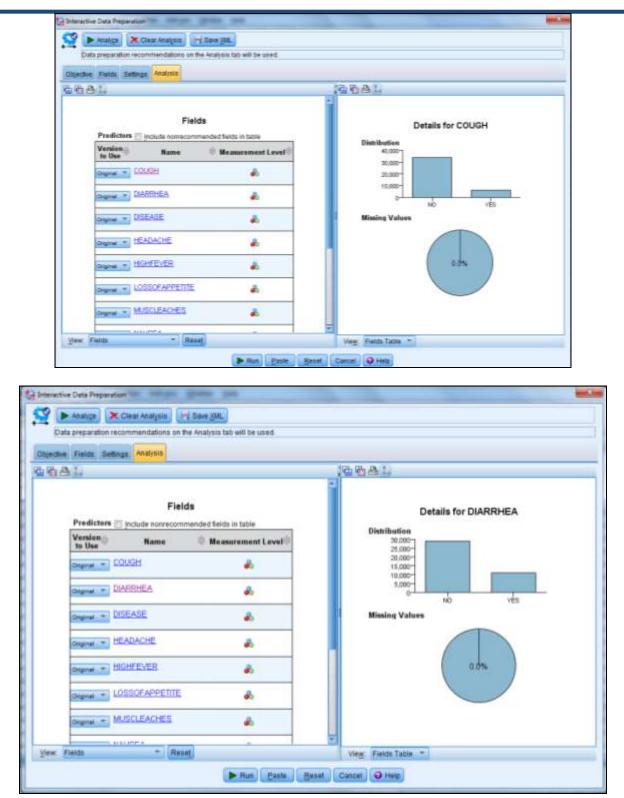
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Step4

In this step, Training log is used to find out the miss classify of the each and every tuple.

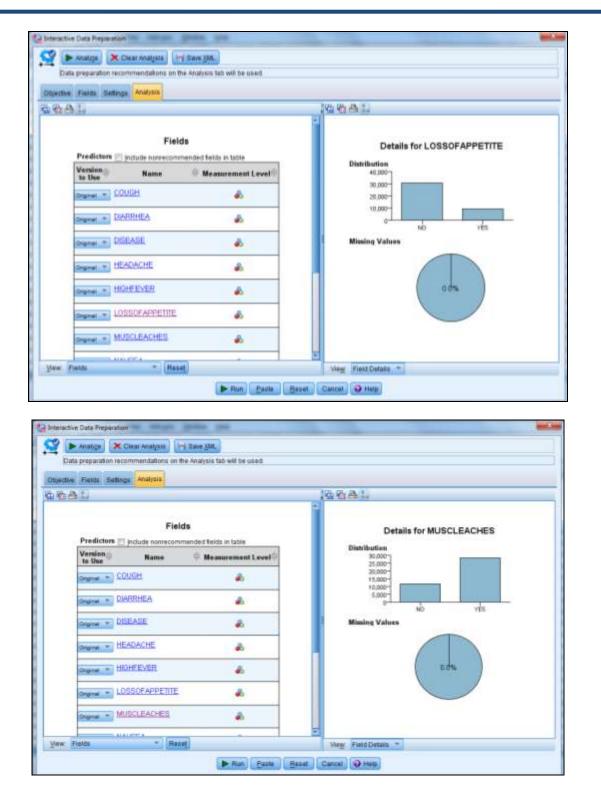




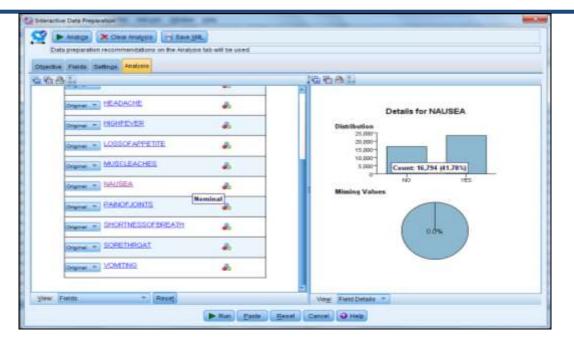


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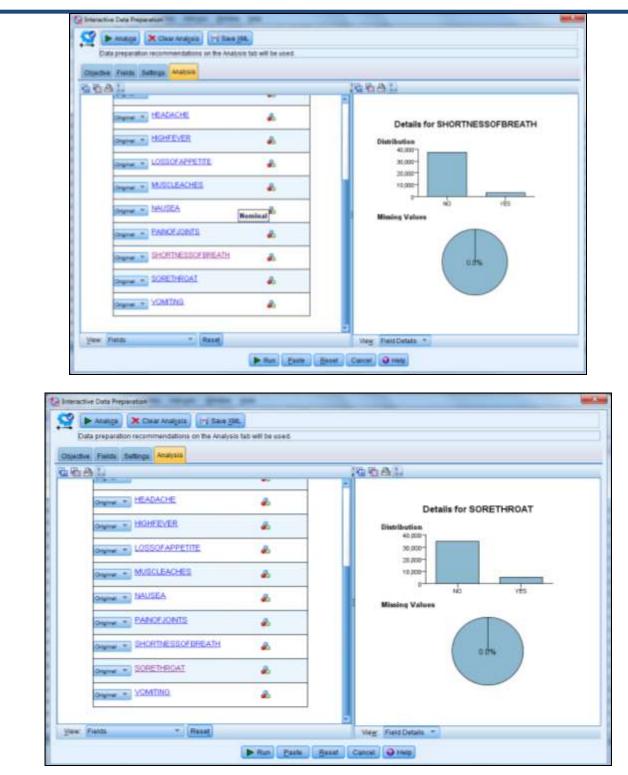






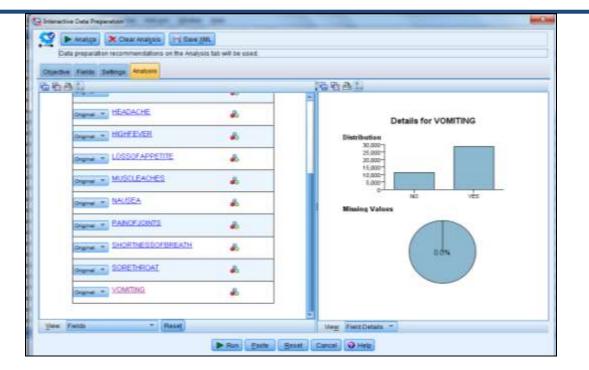






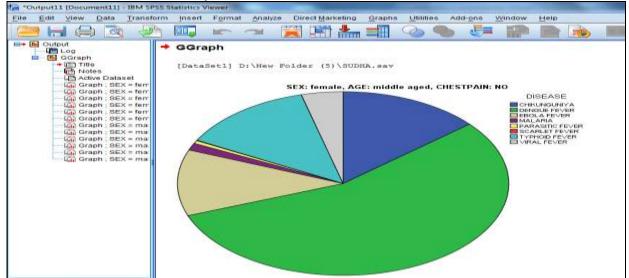


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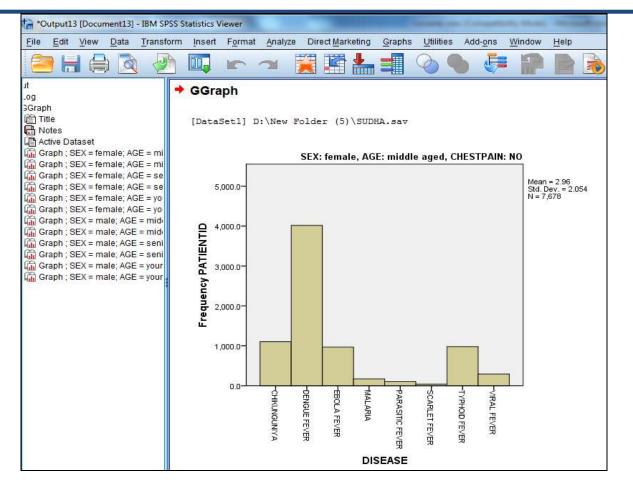
Step5

In this step, the graph was constructed with the corresponding attribute such as disease. The graph is selected by that high probability value. Finally, in this step to classify the actual class to predicted classes in given data such as SCARLET PYREXIA, TYPHOID PYREXIA, DENGUE PYREXIA, EBOLA PYREXIA, VIRAL PYREXIA, PNEMONIA PYREXIA, RHEUMATIC PYREXIA CHIKUNGUNIYA, PARASITIC pyrexia, MALARIA will be get from this step. The overall elapse time to run the SPSS for this case study is 1Sec.





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DATA MINING FINDINGS

The initial studies unveiled a number of relationships between variables as well as threshold values that justify further analysis. The several values of several attributes are useful predictors of retention and/or attrition. These explanations increase our confidence that the values of these attributes will continue to be predictors in the future.

We have to classify how many persons are affected by SCARLET, TYPHOID, DENGUE, EBOLA, VIRAL, PNEMONIA, RHEUMATIC, CHIKUNGUNIYA, PARASITIC, and MALARIA by using SPSS.

CONCLUSION

The goal of classification was to build a set of models that can correctly predict the class of the different objects. The input to this method is set of objects (i.e., training data), the classes which these objects belongs to (i.e., dependent variables), and a set variables describing different characteristics of the objects (i.e., independent variables). Once such a predictive model is built, it can be used to predict the class of the objects for which class information is not known a priori.

Hereby, we collected all the data about which type of pyrexia were affected the people according to their symptoms. In before, the case study was done difficult to classify the pyrexia



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disease according to their symptoms. After completed this case study, was useful for classify the diseases in easier way.

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