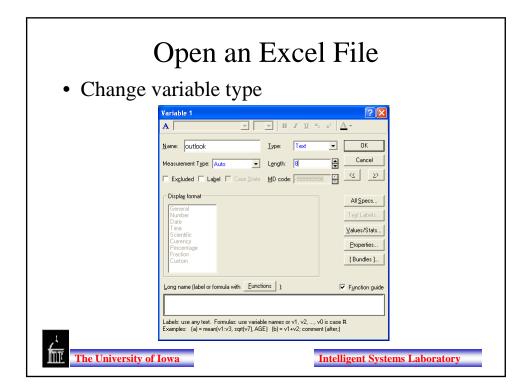
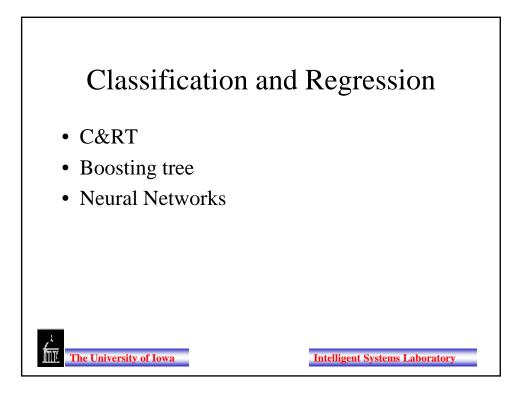
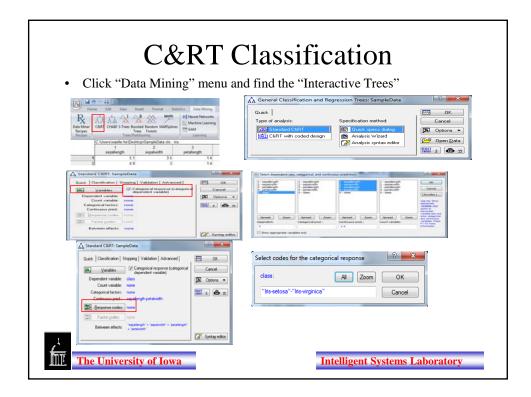


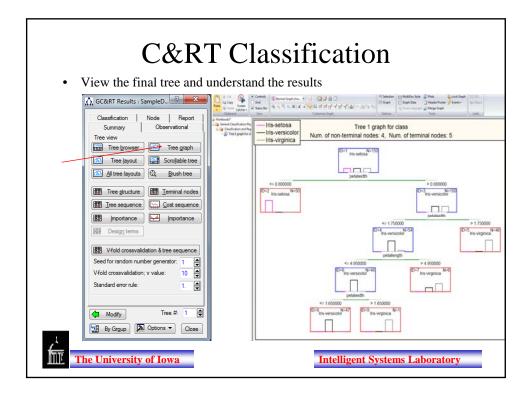
• Change v	pen an Excel File	
	STATISTICA - [Data: SampleData* (5v by 14c)] □ <td< th=""><th></th></td<>	
	Arial I I I B X U E E E E C C weather 1 2 3 4 5 outlook temperature humidity windy play	
	1 summy hot high 0 no 2 summy hot high 1 no 3 overcast hot high 0 yes 4 rainy mild high 0 yes 5 rainy cool normal 0 yes	
	6 rainy cool normal 1 no 7 overcast cool normal 1 yes 8 sunny mild high 0 no 9 sunny cool normal 0 yes 10 rainy mild normal 0 yes	
Å	11 sunny mild normal 1 yes 12 overcast mild high 1 yes 13 overcast hot normal 0 yes 14 rainy mild high 1 no	
The University of L	va Intelligent Systems Labo	ratory

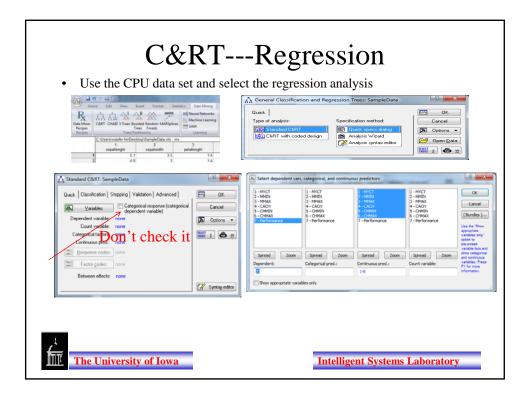


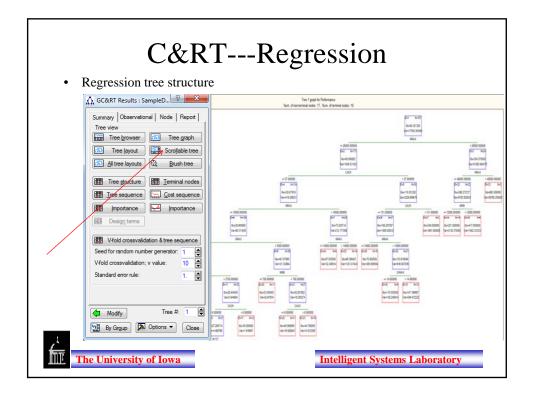


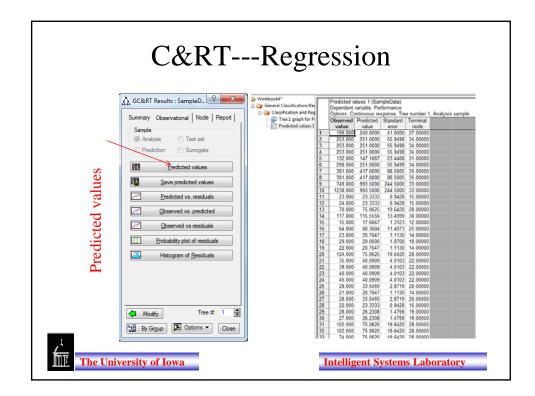
	Uα	KI	Cla	SS1I1	catio	SU	
Iris data i	s used as	a exampl	e data s	et			
	97) ·	STATISTICA 64 - [Det	a: SampleData* (Sv by	(150c)]			
Home	Edit View Insert	Format Statisti	cs Data Mining	Graphs Tools	Data Help	Options - 😥	
Recipes	Machine Learning	Cluster	M Text Mining	Association Rules	Rapid Deployment		
Recipes Trees/P		Clustering/Grouping	Text Mining	Rule Extraction	Deployment		
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		sepalwidth	petallength	petalwidth	class		
1	6.1	3.6	1.4		0.2 Iris-setosa		
2	4.9	3.2	1.4		0.2 Iris-setosa 0.2 Iris-setosa		
4	4.6	3.1	1.5		0.2 Iris-setosa		
5	5	3.6	1.4		0.2 Iris-setosa		
6	5.4	3.9	1.7		0.4 Iris-setosa		
7	4.6	3.4	1.4		0.3 Iris-setosa 0.2 Iris-setosa		
9	4.4	3.4	1.5		0.2 Ins-setosa 0.2 Iris-setosa		
10	4.9	3.1	1.5		0.1 Iris-setosa		
11	5.4	3.7	1.5		0.2 Iris-setosa		
12	4.8	3.4	1.6		0.2 Iris-setosa		
13	4.8	3	1.4		0.1 Iris-setosa 0.1 Iris-setosa		
14	4.3	4	1.1		0.2 Iris-setosa		
16	5.7	4.4	1.5		0.4 Iris-setosa		
17	5.4	3.9	1.3		0.4 Iris-setosa		
18	5.1	3.5	1.4		0.3 Iris-setosa		
19	5.7	3.8	1.7		0.3 Iris-setosa 0.3 Iris-setosa		
20	5.4	3.4	1.7		0.2 Iris-setosa		
22	5.1	3.7	1.5		0.4 Iris-setosa		
23	4.6	3.6	1		0.2 Iris-setosa		
24	5.1	3.3	1.7		0.5 Iris-setosa		
25	4.8	3.4	1.9		0.2 Iris-setosa 0.2 Iris-setosa		
	9	3	1.6		V.c. #13-540058	· · ·	
m					1 000	pleDate I.V	

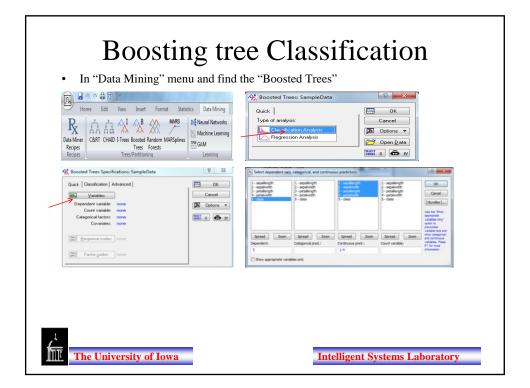


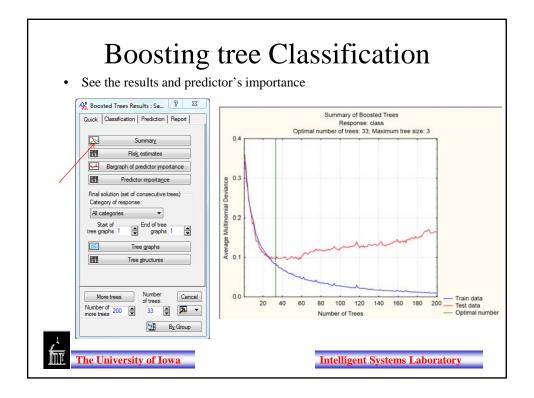


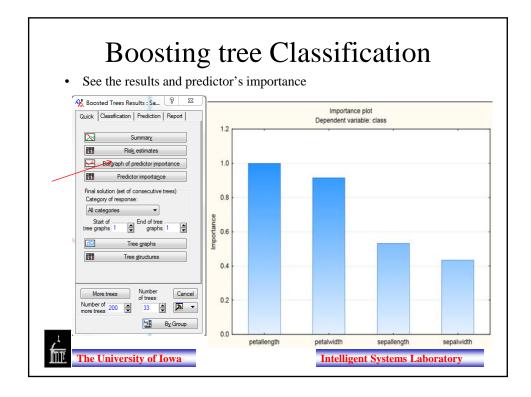


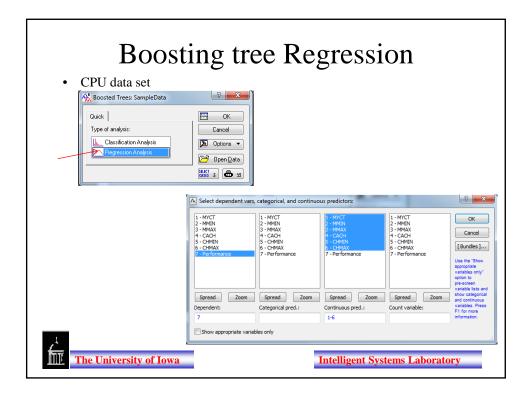


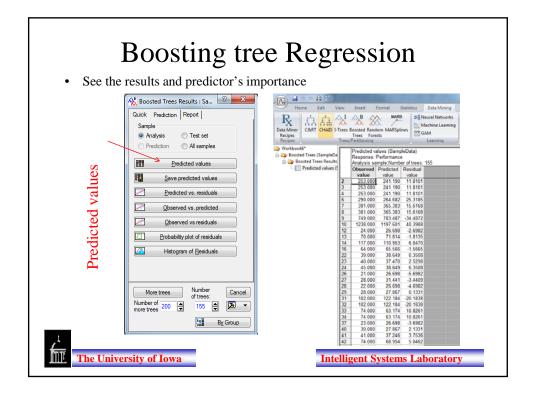


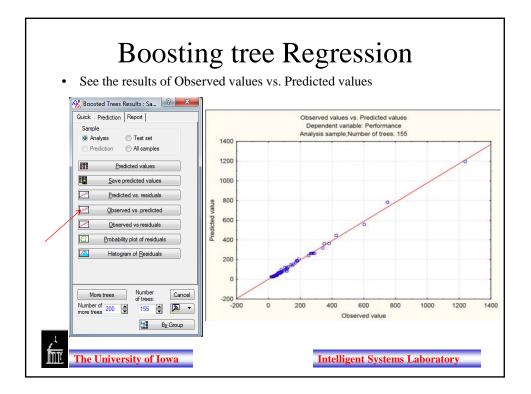


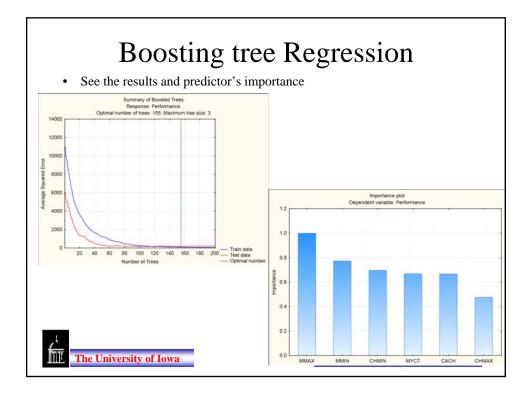


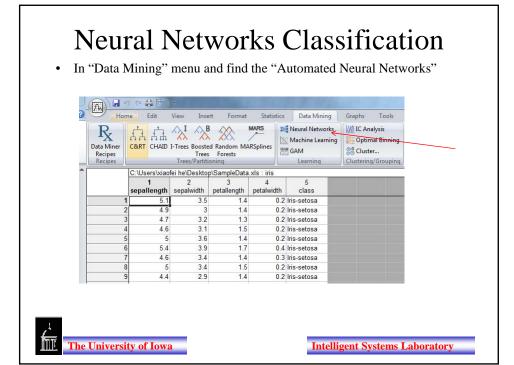


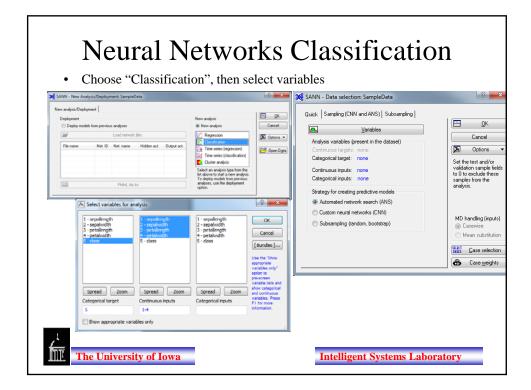


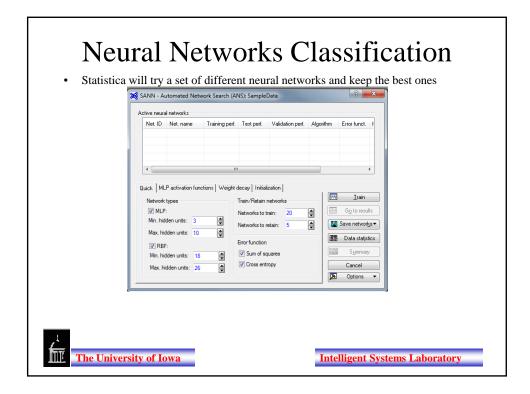


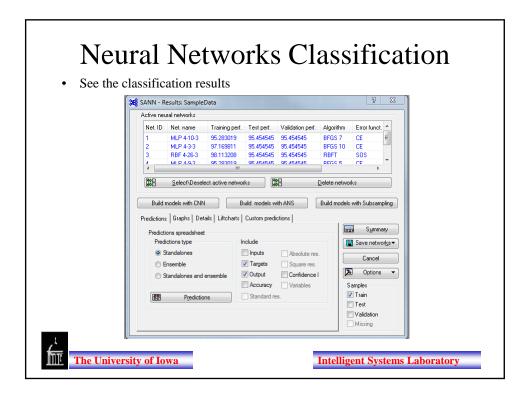


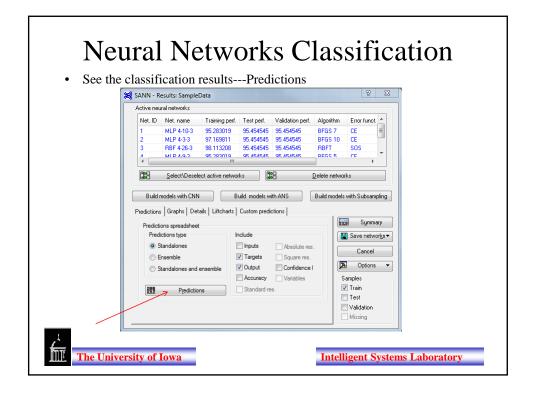


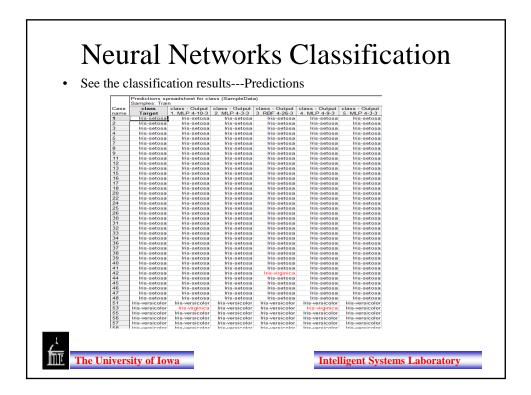


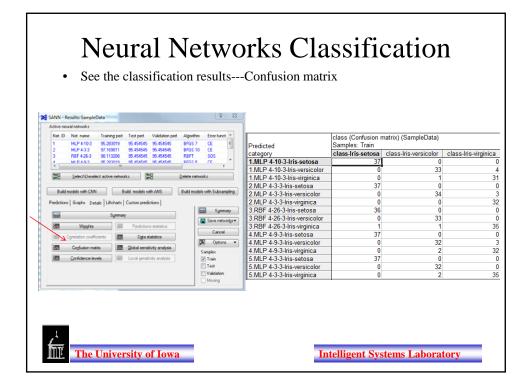


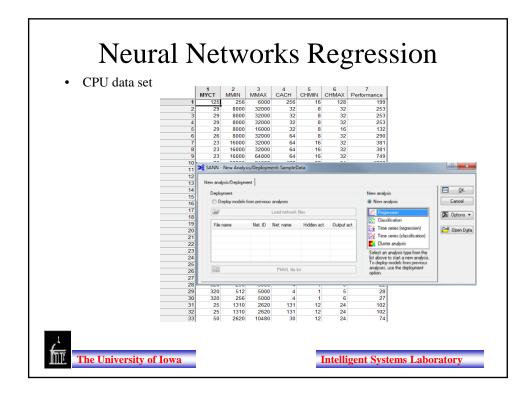


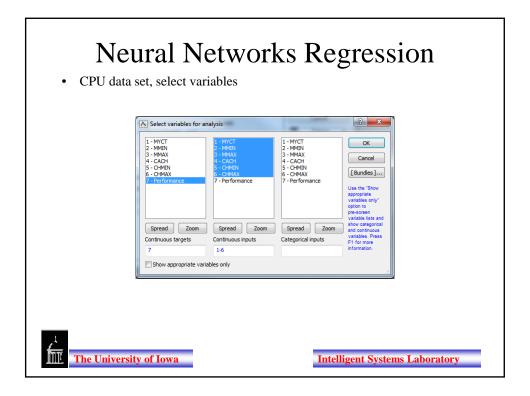


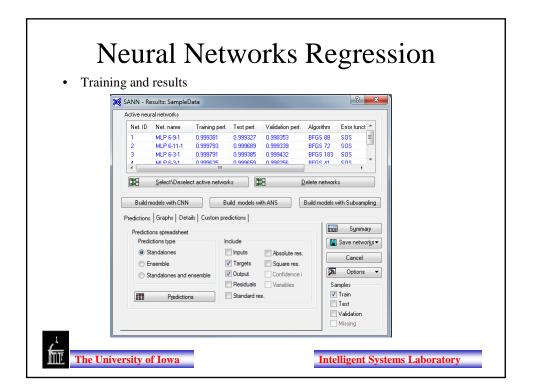












dictions		Predictions spreadsheet for Performance (SampleData) Samdes: Train							
Ca	Performance Target		Performance - Output 2. MLP 6-11-1	Performance - Output 3. MLP 6-3-1	Performance - Output 4 MLP 6-3-1	Performance - Output 5. MLP 6-7-1			
1	199 000		199 229	201.352	201,282	202 672			
2	253.000	244.271	246.196	246.521	240.423	245.611			
3	253.000	244.271	246.196	246.521	240.423	245.611			
8	381.000	368.668	373 375	375.731	363.537	374.480			
9	749.000	747.172	750.181	751.373	753.234	753 505			
10	1238.000	1236.946	1238 243	1237.226	1237.902	1236.850			
13	70.000	70.524	69.341 116.328	71.225	72.291	72.390			
14	15.000	20.605	16.708	15.167	14.425	15.214			
15	64.000	59.500	66 929	65 026	65.120	65.702			
17	23.000	28 280	22.444	23.369	22.254	22.275			
18	29 000	35.338	29.838	30,903	29 252	29.754			
19	22.000	28.436	21.596	22.033	21.054	20.425			
20	124.000	129.883	128.786	127.641	130.862	129.085			
22	39.000	40.302	40.482	40,196	41.639	39,075			
23	40 000	46.341	43,461	41.761	42 620	41.359			
26	21.000	22.907 26.271	21.230 29.305	20.700 28.403	20.521 27.768	20.732			
28	28.000	26.271	29.305	28.403	21.768	29.186			
29	28 000	25.981	28,120	27 731	27.528	28 209			
30	27.000	25.788	27.712	27.293	26 762	28.013			
31	102.000	95.155	101.303	93.937	93.049	92.748			
32	102.000	95.155	101.303	93.937	93.049	92.748			
33	74 000	75.389	74.475	76.151	77.039	76.827			
34	74.000	75.389	74.475	76.151	77.039	76.827			
35	138.000	142.035	146.438	143.815	146.681	145.540			
37	23 000	28.440	21,298	19 865	20.757	20.240			
38	29.000	32.558 43.655	27.784 43.032	27.314 43.523	27.905 44.039	27.875			
40	30.000	43.605	43.032	43.523 28.872	28.383	28 540			
41	41.000	42 377	40.754	41.988	40 614	41,921			
42	74.000	73.071	75.984	76.688	75.463	76.951			
43	74.000	73.345	76.196	76.922	75.607	77.160			
44	74.000	73.345	76.196	76.922	75.607	77.160			
45	54.000	51.209	55.317	55.485	54,962	55 842			
47	18.000	18.372		20.779	20.827	21.684			
48	28.000	19.813	26.514	26.791	27.438	26.490			
50	38.000	34.769	38.133	37.606	37.582	38,515			

ANN - Results: SampleData	2	0	Data stati:	tics (Sam	oleData)				
Active neural networks			MYCT	MMIN	MMAX	CACH	CHMIN	CHMAX	Performance
		Samples	Input	Input	Input	Input	Input	Input	Target
	gorithm Error funct *	Minimum (Train)	17.000	64.00	64.00	0.0000	1.00000	1.0000	15.0
	GS 88 SOS	Maximum (Train)	1100.000	32000.00	64000.00	256.0000	32.00000	128.0000	1238.
	GS 183 SOS	Mean (Train)	192.151	2963.02	11747.58	25.3237	4.52518	17.8201	96.
	002 A1 COC	Standard deviation (Train)	229.786	4174.75	11421.62	41.9709	5.40576	21.5814	145.1
	,	Minimum (Test)	25.000	512.00	1000.00	0.0000	0.00000	0.0000	18.0
Select/Deselect active networks		Maximum (Test)	1500.000	16000.00	32000.00	160.0000	16.00000	38.0000	426.
	Mean (Test)	190.172	2993.66	9706.90	26.3793	3.24138	10.8621	76.1	
Build models with CNN Build models with ANS Build models with Subsampling		Standard deviation (Test)	303.963	3336.71	7155.81	38.4136	3.26950	8.6550	86.
edictions Graphs Details Custom predictions		Minimum (Validation)	23.000	96.00	512.00	0.0000	0.00000	0.0000	15.0
	Summary	Maximum (Validation)	1500.000	16000.00	32000.00	128.0000	52.00000	104.0000	381.0
Symmary		Mean (Validation)	284.069	2540.41	11689.03	20.1034	6.00000	18.2069	88.7
Weights Predictions statistics	Save networks *	Standard deviation (Validation)	184.035	7624.24	17931.45	59.7860	6.97444	29.2859	275.2
	Cancel	Minimum (Missing)							
Correlation coefficients Data statistics	Dotions •	Maximum (Missing)							
Confusion mater. Global sensitivity analysis		Mean (Missing)							
Local sensitivity analysis	Samples	Std (Missing)							
and some firmer of a star	Test	Minimum (Overall)	17.000	64.00	64.00	0.0000	0.00000	0.0000	15.0
	Validation	Maximum (Overall)	1500.000		64000.00	256.0000			1238.
	Missing	Mean (Overall)	205.391		11438.56				92.4
		Standard deviation (Overall)	200.090	3934.15	10000.22	40.1302	6.05615	20.3599	132.