LIST OF FIGURES

FIGUR	E NO. TITLE	PAGE NO.
1.1	Data Mining is the Core of Knowledge Discovery Process	6
1.2	Overview of the Problems Addressed and new Techniques	11
1.3	Fragments of some Relations from a Relation for <i>OurVideoStore</i>	20
1.4	A Multidimensional Data Cube Commonly used in the Data Wareh	ouse 22
1.5	Summarized Data from OurVideoStore before and after Drilldown	
	and Rollup Operations	22
1.6	Fragment of a Transaction Database for the Rentals at OurVideoSto	ore 23
1.7	Visualization of Spatial OLAP from GeoMiner System	23
1.8	Visualization of Spatial OLAP from GeoMiner System	30
1.9	Modular Structure of Generic Online Verification System	35
1.10	Steps of KDD Metadata Learning Process	39
1.11	Architecture of Data Mining	42
1.12	Phases of Data Mining Life Cycle	43
3.1	Architecture of Association Rule Mining	76
3.2	Search Space for $I = \{1,2,3,4\}$	
3.3	Algorithms for Frequent Itemset Mining for Different Database Lay	youts93
3.4	FP-Tree of the Database of Transactions	102
3.5	Graph of Sample Database	110
3.6	Market Basket Analysis	113
3.7	Linear Regression	118
3.8	Non-Linear Regression	
3.9	Flowchart of Apriori Algorithm with Regression	125
4.1	Architecture of WPI Classification System	140
4.2	Parameter Menu for Associative Classification	141
4.3	Parameter Menu for Our Extended Association Rule Mining	145