## LIST OF FIGURES

		Page
Figure 2.1	Anatomy of the Breast	11
Figure 3.1	Study time for eight individuals	18
Figure 3.2	The biological neuron	20
Figure 3.3	Model of a neuron.	21
Figure 3.4	Perceptron (a) Single layer perceptron (b) Multi layer perceptron	23
Figure 3.5	Recurrent networks	23
Figure 3.6	Activation Function.	24
Figure 4.1	Kaplan-Meier Survival Curve of Breast Cancer by Stage	33
Figure 5.1	Percent Accuracy of neural network using different pre-processing.	46
Figure 5.2	Percent Accuracy of neural network using different algorithm	47
Figure 5.3	Percent Accuracy of Feed Forward and Elman Neural Network	49
Figure B1	Kaplan-Meier Analysis by Age	55
Figure B2	Kaplan-Meier Analysis by Race	56
Figure B3	Kaplan-Meier Analysis by Stage	57
Figure B4	Kaplan-Meier Analysis by Tumor	58
Figure B5	Kaplan-Meier Analysis by Lymph Node	58
Figure B6	Kaplan-Meier Analysis by Metastasis	59
Figure B7	Kaplan-Meier Analysis by Estrogen	60
Figure B8	Kaplan-Meier Analysis by Grade	61
Figure B9	Kaplan-Meier Analysis by Primary Treatment	62
Figure B10	Kaplan-Meier Analysis by Adjuvant Chemotherapy	63
Figure B11	Kaplan-Meier Analysis by Adjuvant Radiotherapy	63
Figure B12	Kaplan-Meier Analysis by Adjuvant Tamoxifen	64