4.1 Chi-square Analysis

Null Hypothesis: Having a malignant breast cancer does not depend on each independent variable

Alternative Hypothesis: Having a malignant breast cancer depends on each independent variable

P-value for each independent variable



4.1 Chi-square Analysis

Cross Tabulation

	ClumpThickness		SizeUniformity		ShapeUniformity		MaginalAdhesion		SingleEpithelialCellSize		
		2	4	2	4	2	4	2	4	2	4
1		0.97841727	0.02158273	0.98927614	0.01072386	0.994219653	0.005780347	0.92366412	0.07633588	0.97727273	0.02272727
2		0.92000000	0.08000000	0.82222222	0.17777778	0.879310345	0.120689655	0.63793103	0.36206897	0.94414894	0.05585106
3		0.88461538	0.11538462	0.51923077	0.48076923	0.566037736	0.433962264	0.53448276	0.46551724	0.39436620	0.60563380
4		0.84810127	0.15189873	0.21052632	0.78947368	0.279069767	0.720930233	0.15151515	0.84848485	0.14583333	0.85416667
5		0.64843750	0.35156250	0.00000000	1.00000000	0.062500000	0.937500000	0.17391304	0.82608696	0.12820513	0.87179487
6		0.45454545	0.54545455	0.00000000	1.00000000	0.068965517	0.931034483	0.14285714	0.85714286	0.02500000	0.97500000
7		0.04347826	0.95652174	0.05263158	0.94736842	0.066666657	0.93333333	0.00000000	1.00000000	0.18181818	0.81818182
8		0.09090909	0.90909091	0.03571429	0.96428571	0.037037037	0.962962963	0.00000000	1.00000000	0.09523810	0.90476190
9		0.00000000	1.00000000	0.16666667	0.83333333	0.000000000	1.000000000	0.00000000	1.00000000	0.00000000	1.00000000
1	0	0.00000000	1.00000000	0.00000000	1.00000000	0.000000000	1.000000000	0.01818182	0.98181818	0.03225806	0.96774194

	Ba	reNuclei	Blande	Chromatin	Norma	alNucleoli	Mitosis	
	2	4	2	4	2	4	2	4
1								0.23445826
2	0.70000000	0.30000000	0.95625000	0.04375000	0.83333333	0.16666667	0.22857143	0.77142857
3	0.50000000	0.50000000	0.77639752	0.22360248	0.26190476	0.73809524	0.06060606	0.93939394
4	0.31578947	0.68421053	0.17948718	0.82051282	0.0555556	0.9444444	0.00000000	1.00000000
5	0.33333333	0.66666667	0.11764706	0.88235294	0.10526316	0.89473684	A 16666667	0.83333333
6	0.00000000	1.00000000	0.11111111	0.8888889	0.18181818	0.81818182		
7	0.12500000	0.87500000	0.08450704	0.91549296	0.12500000	0.87500000	0.00000000	1.00000000
8	0.09523810	0.90476190	0.00000000	1.00000000	0.13043478	0.86956522	0.11111111	0.88888889
9	0.00000000	1.00000000	0.00000000	1.00000000	0.00000000	1.00000000	0.12500000	0.87500000
10	0.02272727	0.97727273	0.00000000	1.00000000	0.00000000	1.00000000	0.00000000	1.00000000

