

Contents

Contents	1
1. Introduction.....	2
2. Fuzzy Statistic Analysis	3
2.1 Chi-square Test Statistic for Goodness-of-Fit.....	3
2.2 Fuzzy Set Theory and Fuzzy Numbers	5
2.3 Fuzzy Sampling Surveys.....	6
3. Fuzzy Statistic Distribution.....	9
3.1 Expected Value and Variance for Fuzzy Sample Data.....	9
3.2 Fuzzy Bernoulli and Fuzzy Binomial Distribution.....	9
3.3 Fuzzy Multinomial Distribution	15
3.4 Fuzzy Chi-square Test Statistic for Goodness-of-Fit.....	22
4. Empirical Studies	27
5. Conclusion	28
References.....	29

