

**Graduate Seminar
University of Regina
Department of Mathematics & Statistics**

Speaker: Kezia Baidoo
University of Regina

Title: Introduction to Confidence Intervals for a Ratio of Binomial Proportions Based on Unbiased Estimators

Date: Friday, April 3, 2009

Time: 9:30 a.m.

Place: Math & Stats Lounge (CW 307.20)

Abstract

A general statement of the interval estimation problem of the ratio of two proportions according to data from two independent samples is considered. Each sample may be obtained in a framework of direct or inverse binomial sampling. Five asymptotic confidence intervals are constructed in accordance with different types of sampling schemes. Applications of these intervals are provided and a sufficient review of the literature for the problem is presented, too.