

SEMINAR ANNOUNCEMENT

Title: Runs in Bernoulli trials: how much success should we expect?

Abstract: Consider a (long) sequence of independent Bernoulli trials. We consider first the length of the longest success run. The modern history of this problem goes back to the celebrated Erdos-Renyi Theorem in 1970; we will review some applications of this result, and some generalizations, to DNA sequences. We look also at a related problem which seems to have attracted much less attention: the length of the longest run of successes OR failures in a sequence of Bernoulli trials, or more generally, the longest run of any type in a sequence of multinomial trials.

Speaker: Professor Robert Smythe
Department of Statistics
Oregon State University

Date: Thursday, May 5, 2005

Time: 4:00 pm – 5:00 pm

Location: Monroe Hall (2115 G Street NW), Room 105

Directions: Foggy Bottom-GWU Metro Stop on the Orange and Blue Lines. The campus map is at <http://www.gwu.edu/~map>.

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For a complete listing of our current seminars, please visit <http://www.gwu.edu/~stat/seminar.htm>.