

網路抽樣調查與模糊線上統計

中文摘要

本文的主要目的是為使用者建立一個方便使用及減少成本的網路問卷模型，以模糊統計為基礎，主要探討梯形隸屬度函數的統計量，讓使用者能透過系統，從事問卷調查。

網站共有 5 個部份, 分成(1)問卷調查(2)威克生等級檢定(3)離散型模糊資料統計量(4)連續型模糊資料統計量(5)模糊迴歸；網頁使用 ASP.NET2.0 撰寫，並在其中加入資料庫語法，連結資料庫，讓使用者可以在線上輸入資料，並獲得統計結果。

關鍵字：模糊統計、網路問卷調查



Network Sampling and Fuzzy Online Statistics

ABSTRACT

The main purpose of this paper is to build up a questionnaire model, which is convenient to use and can reduce cost for the users. With the foundation of the fuzzy statistics, the main study is about the statistical quantity of trapezoid membership function, and let them work on a questionnaire through system.

The website totally has 5 parts and is divided into (1) A questionnaire, (2) Wilcoxon Signed-Rank Test, (3) The statistical quantity with discrete fuzzy data, (4) The statistical quantity with continuous fuzzy data, (5) Fuzzy regression equation. The web page is composed of ASP.NET2.0, and database phrasing is added therein to link database. Let users input data on line, and get the results of statistics.

Keywords: Fuzzy statistics, Network questionnaire