

Sakaguchi, Minoru

Two-population secretary problems. II. (English) Zbl 0735.62077

Math. Jap. 35, No. 6, 1077-1088 (1990).

The author continues his work on Two-Population Secretary Problems (TPSP). A TPSP is a best-choice problem without recall, where the decision maker is sequentially presented with options from two different populations. Unlike as in Part I [ibid., No. 5, 917-934 (1990; [Zbl 0709.62074](#))], the objective is to select the relatively best in either of the populations, implying that both stopping time and stopping "place" must be chosen. Combining different kinds of information about the options (no, partial, or full) with 2 orders of classification leads to 6 quite different problems, which are formulated and partially solved in the framework of dynamic programming.

Reviewer: [F.T.Bruss](#)

MSC:

[62L15](#) Optimal stopping in statistics
[60G40](#) Stopping times; optimal stopping problems; gambling theory
[90C90](#) Applications of mathematical programming
[90C39](#) Dynamic programming

Cited in 1 Review

Keywords:

[two-population secretary problems](#); [best-choice problem without recall](#); [stopping time](#)