The VACCINE Test Problems

Contributed by: Lewis Ntaimo

The vaccine test problem suite consists of 30 instances of a chance constrained vaccine allocation problem. The instances are provided in smps format and can be downloaded as a zip folder here. Details of the problem formulation and generation of the instance data is available in [1]. Additional computational results on the instances is available in [2].

REFERENCES:
[1] M.W. Tanner and L. Ntaimo. IIS branch-and-cut for joint chance-constrained stochastic programs and application to optimal vaccine allocation. *European Journal of Operational Research*, vol. 207, No.1, pp. 290-296, 2010.
[2] F. Qiu, S. Ahmed, S. S. Dey and L. Wolsey. Covering Linear Programming with Violations. To appear in *INFORMS J. on Computing*, 2013.

[SIPLIB HOME]