

INTERFACE PROBLEMS USING DATA BANKS FOR MODELS OF HUMAN DIETS  
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Planning human diets in terms of food nutrient data is not a well defined problem unless food preferences and food cost are also considered. Mathematical optimization techniques are available to solve such problems now on computers and this possibility raises the question of interfacing models with data banks. One result of this prospect is the realization that network representation and data base management concepts are necessary for uniformly correct dietary decision support systems. Another requirement is the screening of the set of nutritiously controllable foods for missing data. In general a tightening of procedures for identification, yields, portion size, recipes and computational tasks will be necessary before the large scale utilization of data banks becomes possible in human diet models.

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