

The Occupational Information Network (O*NET) is a free online database that contains hundreds of occupational definitions to help students, job seekers, businesses and workforce development professionals to understand today's world of work in the United States. Data for O*NET is collected continually via a sample survey of employees in selected establishments throughout the U.S. O*NET has a number of interesting design features. First, it requires strict controls on sample size per occupation; yet, the occupations within an establishment and the number of employees within those occupations are essentially unknown prior to sampling. To address the dynamic nature of the sampling, an adaptive sampling approach is used refer to as model-aided sampling (MAS) to help control sample size and costs. Second, because some occupations are quite difficult to locate, a multiphase sampling approach is needed that also involves a number of adaptive design characteristics. This multi-pharse sampling approach also increases efficiency and controls sample size and cost for all occupations. Finally, nonresponse bias is monitored via an R-indicator type metric that is another unique feature of the MAS sampling approach. Monitoring and controlling multiple error sources in real-time provide considerable challenges for Adaptive Total Design, many of which will be explored in this presentation.