Descriptions of the Individual Datasets

There are two primary datasets used throughout the text – HBAT and HBAT_SEM. HBAT is used for most of the multivariate techniques, while HBAT_SEM is used for the SEM analyses. There are several variants of these datasets that are used in specific analyses and they are described below. There are also datasets for the Supplemental Chapters of Conjoint Analysis and Correspondence Analysis. Finally, chapters used in earlier editions (HBAT and SALES) are provided for those wishing to replicate those analyses.

HBAT: Actually a series of datasets used with many of the techniques.

HBAT: the primary database with multiple metric & nonmetric variables allowing for use in most of the multivariate techniques.

HBAT_200: an expanded dataset, comparable to HBAT except for 200 rather than 100 respondents, used in MANOVA.

HBAT_MISSING; a reduced dataset with 70 respondents and missing data in the variables. Used with techniques for diagnosis and remedy of

HBAT_SPLITS: contains two variables that split the HBAT dataset into 50/50 and 60/40 subsamples. This dataset can be merged with the original HBAT dataset if desired.

missing data (Chapter 2).

Structural Equation Modeling (SEM)

Download the **set of five datasets** or individual datasets.

HBAT_SEM: the original data responses from 400 individuals used to derive the input matrices for SEM programs (e.g. LISREL, EQS or AMOS)

HBAT_SEM_NOMISSING: the original dataset of 400 responses has two individuals with missing data. This dataset replaces the missing values so that the resulting sample is 400 complete responses.

NEW -- **HBAT400_6CON**: the original data responses from 400 individuals with the addition of indicators for a sixth construct -- Supervisor Support

NEW -- **HBAT PLS-SEM_No Missing Data**: variant of HBAT_SEM_NOMISSING used for SmartPLS estimation in Chapter 13 (Excel version only)

NEW -- **HBAT_SEM_FT_NOMISS and HBAT_SEM_PT_NOMISS** – These two sub-samples of the HBAT_SEM_NOMISSING dataset are defined by employees full-time or part-time status (variable C2). These sub-samples are used in multi-group analysis presented in Chapter 12.

HBAT.COV, **HBATF.COV** and **HBATM.COV**: these three covariance matrices represent the overall sample, female respondents and male respondents, respectively.

Supplemental Chapter Datasets: Several chapters from past editions (Canonical Correlation, Conjoint Analysis, Multidimensional Scaling and Correspondence Analysis) have been shifted to online supplements to allow for additional material in the current edition.

Conjoint Analysis

HBAT_CPLAN: details the "full-profile" stimulus descriptions

HBAT_CONJOINT: contains the actual responses to the stimulus profiles

Multidimensional Scaling

HBAT_MDS: used in MDS (multidimensional scaling)

HBAT_CORRESP: used for correspondence analysis

Other Datasets:

Two additional datasets are provided to allow students access to data other than the HBAT data files described in the textbook

HATCO: this dataset has been utilized in past versions of the textbook and provides a simplified set of variables amenable to all of the basic multivariate techniques.

SALES: this dataset concerns sales training and is comprised of 80 respondents, representing a portion of data that was collected by an academic researcher