

Table1 : Description of the Variables in the Breakfast Cereal Dataset

Variable	Description
<i>mfr</i>	Manufacturer of cereal (American Home Food Products, General Mills, Kellogg, etc.)
<i>type</i>	Cold or hot
<i>calories</i>	Calories per serving
<i>protein</i>	Grams of protein
<i>fat</i>	Grams of fat
<i>sodium</i>	Milligrams of sodium
<i>fiber</i>	Grams of dietary fiber
<i>carbo</i>	Grams of complex carbohydrates

<i>sugars</i>	Grams of sugars
<i>potass</i>	Milligrams of potassium
<i>vitamins</i>	Vitamins and minerals: 0, 25, or 100, indicating the typical percentage of FDA recommended
<i>shelf</i>	Display shelf (1, 2, or 3, counting from the floor)
<i>weight</i>	Weight in ounces of one serving
<i>cups</i>	Number of cups in one serving
<i>rating</i>	Rating of the cereal calculated by <i>consumer reports</i>

Table 2: Description of Variables in the Boston Housing Dataset

CRIM	Crime rate
ZN	Percentage of residential land zoned for lots over 25,000 ft ²
INDUS	Percentage of land occupied by nonretail business
CHAS	Does tract bound Charles River? (= 1 if tract bounds river, = 0 otherwise)
NOX	Nitric oxide concentration (parts per 10 million)
RM	Average number of rooms per dwelling
AGE	Percentage of owner-occupied units built prior to 1940
DIS	Weighted distances to five Boston employment centers
RAD	Index of accessibility to radial highways
TAX	Full-value property tax rate per \$10,000
PTRATIO	Pupil-to-teacher ratio by town
LSTAT	Percentage of lower status of the population
MEDV	Median value of owner-occupied homes in \$1000s
CAT.MEDV	Is median value of owner-occupied homes in tract above \$30,000 (CAT.MEDV = 1) or not (CAT.MEDV = 0)?

Table3: Description of Variables for Automobile Accident Example

ALCHL_I	Presence (1) or absence (2) of alcohol
PROFIL_I_R	Profile of the roadway: level (1), other (0)
SUR_COND	Surface condition of the road: dry (1), wet (2), snow/slush (3), ice (4), unknown (9)
VEH_INVL	Number of vehicles involved
MAX_SEV_IR	Presence of injuries/fatalities: no injuries (0), injury (1), fatality (2)