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1. Purpose of this cheatsheet

This cheatsheet summarized some R built-in data sets to help people find their interested data sets to play with. For each data set, this cheatsheet listed all attributes of it with some brief explanations. When people do not know where to find a data set to practice exploratory data analysis and visualization, they can go through this cheatsheet to find some nice pre-loaded R data sets.

2. Data sets in package 'datasets'

mtcars: The data was extracted from the 1974 Motor Trend US magazine, and comprises fuel consumption and 10 aspects of automobile design and performance for 32 automobiles.

iris: This famous (Fisher's or Anderson's) iris data set gives the measurements in centimeters of the variables sepal length and width and petal length and width, respectively, for 50 flowers from each of 3 species of iris.

sepal length	cm
sepal width	cm
petal length	cm
petal width	cm
class Setosa, Versicolour, Virgin	ica

ToothGrowth: The Effect of Vitamin C on Tooth Growth in Guinea Pigs

$\mathrm{len}\ \dots\dots$	$\ldots \ldots$ numeric Tooth length
supp	factor Supplement type (VC or OJ)
dose	numeric Dose in milligrams/day

USArrests: This data set contains statistics, in arrests per 100,000 residents for assault, murder, and rape in each of the 50 US states in 1973. Also given is the percent of the population living in urban areas.

Murder	numeric Murder arrests (per 100,000)
Assault	numeric Assault arrests (per 100,000
UrbanPop	numeric Percent urban population
Rape	. numeric Rape arrests (per $100,000$)

3. Data sets in package 'openintro'

fastfood: This data set contains nutrition amount	ounts in 515 fast
food items. restaurant Na	me of restaurant
item	Name of item
calories N	umber of calories
cal_fat	Calories from fat
total_fat	Total fat
sat_fat	Saturated fat
trans_fat	
cholesterol	
sodium	
total crab	
fiber	
sugar	
protein	
1	
vit_a	Vıtamın A
vit_c	Vitamin C
calcium	Calcium
salad	Salad or not

mtl: The data are from a convenience sample of 25 women and 10 men who were middle-aged or older. The purpose of the study was to understand the relationship between sedentary behavior and thickness of the medial temporal lobe (MTL) in the brain.

subject
educ Years of educational
e4grp APOE-4 status, taking a value of E4 or Non-E4
age Age, in years
mmse Score from the Mini-Mental State Examination, which is
a global cognition evaluation
ham_a Score on the Hamilton Rating Scale for anxiety
ham_d Score on the Hamilton Rating Scale for depression
sitting Self-reported time sitting per day, averaged to the
nearest hour
met_minwk Metabolic equivalent units score (activity
level). A score of 0 means "no activity" while 3000 is considered
"high activity"
ipa_gqrp Classification of METminwk into Low or High
aca1 Thickness of the CA1 subregion of the MTL
aca23dg Thickness of the CA23DG subregion of the MTL
ae_cort Thickness of a subregion of the MTL
a_fusi_cort Thickness of the fusiform gyrus subregion of the
MTL
a_ph_cort Thickness of the perirhinal cortex subregion of the
MTL
a_pe_cort Thickness of the entorhinal cortex subregion of the
MTL
a subic Thickness of the subiculum subregion of the MTL
total Total MTL thickness.

ames: This data set contains information from the Ames Assessor's Office used in computing assessed values for individual residential properties sold in Ames, IA from 2006 to 2010. See here for detailed variable descriptions. This data set has 82 parameters so that this cheatsheet will only list first 15 of them. For

more information, please first import "open intro" package and then type "?ames".	time_to_work Travel time to work, in minutes lang Language spoken at home married Whether the person is married
Order	edu
MS.SubClass Identifies the type of dwelling involved in the sale MS.Zoning Identifies the general zoning classification of the sale Lot.Frontage Linear feet of street connected to property	cpu: This data set contains data on computer processors released between 2010 and 2020.
Lot.Area	company
Land.ContourFlatness of the propertyUtilitiesType of utilities availableLot.ConfigLot configurationLand.SlopeSlope of property	cores
seattlepets This data set contains names of registered pets in Seattle, WA, between 2003 and 2018, provided by the city's Open Data Portal.	socket Specifies the type of connection to the motherboard process Size of the process node used in production in nm 13_cache Size of the level 3 cache on the processor in MB tdp Total draw power of the processor
license_issue_date Date the animal was registered with Seattle license_number	released Date which the processor was released to the public
animal_name	loans_full_schema This data set represents thousands of loans made through the Lending Club platform, which is a platform that allows individuals to lend to other individuals. This data set has 55 variables so that this cheatsheet will only list first 14 of them. For more information, please first import "openintro" package and then type "?loans_full_schema".
acs12: This data set contains Results from the US Census American Community Survey, 2012.	emp_title Job title emp_length Number of years in the job, rounded down. If
income	longer than 10 years, then this is represented by the value 10 state
age	annual_income

annual_income_joint If this is a joint application, then the annual income of the two parties applying

verification_income_joint Type of verification of the joint income debt_to_income_joint .. Debt-to-income ratio for the two parties deling_2v Delinquencies on lines of credit in the last 2 years months_since_last_deling Months since the last delinquency earliest_credit_line . Year of the applicant's earliest line of credit inquiries_last_12m ... Inquiries into the applicant's credit during the last 12 months

4. Data sets in package 'agridat'

australia.soybean: This data set contains Yield and other traits of 58 varieties of soybeans, grown in four locations across two years in Australia. This is four-way data of Year x Loc x Gen x Trait.

env ... environment, 8 levels, first character of location and last two characters of year loclocation year year gen genotype of soybeans, 1-58 yield yield, metric tons / hectare height height (meters) lodginglodging size seed size, (millimeters) protein protein (percentage) oil oil (percentage)

nass.barley, nass.corn, nass.cotton, nass.hay, nass.rice, nass.sorghum, nass.soybean, nass.wheat: Yields and acres harvested in each state for the major agricultural crops in the United States, from approximately 1900 to 2011. Crops include: barley, corn, cotton, hay, rice, sorghum, soybeans, wheat.

year year
state state factor
acres acres harvested
yield average yield