

Analysing Surveys with iNZight

iNZight (v4.1.2)

File Dataset Variables Plot Advanced Help

View Data Set View Variables plot

Data set: data

empty

1

inzight

Version 4.1.2
Release date: 17 May 2021

Kia ora and welcome! To get started, import some data.

Not sure where to go? Try the File menu!
There are some example datasets there if you just want to explore the program.

We've gone ahead and made a few improvements ...

- Code writing for plots, summaries, and inference!
It's not enabled by default, but the biggest change in this release is the implementation of interactive code snippets, enabled from File > Preferences. You can see the R code for the current plot, and edit it to see what happens. Learning R just got easier!
- Get Summary and Get Inference have been redesigned
Now more consistent with the rest of iNZight, you can quickly add and remove inference information, adjust your hypothesis, and see the results instantly.
- Survey designs are now completely supported: plots, summaries, and data wrangling!

Select/Drag-drop Variable 1

Select/Drag-drop Variable 2

Select/Drag-drop Variable 3 (subset)

Select/Drag-drop Variable 4 (subset)

Get Summary Get Inference

R code for the current plot is shown above, which can be edited and run.

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```
data = "https://inzight.nz/testdata/chis.csv"  
weights = "rakedw0"  
repweights = "rakedw[1-9]"  
reptype = "other"  
scale = 1  
rscales = 1  
type = "other"
```

Import File

Please let us know if you have difficulty importing data (if you can include the data that would extremely helpful). Email: inzight_support@stat.auckland.ac.nz

Select File to Import

File Name : chis.svydesign

Import from URL

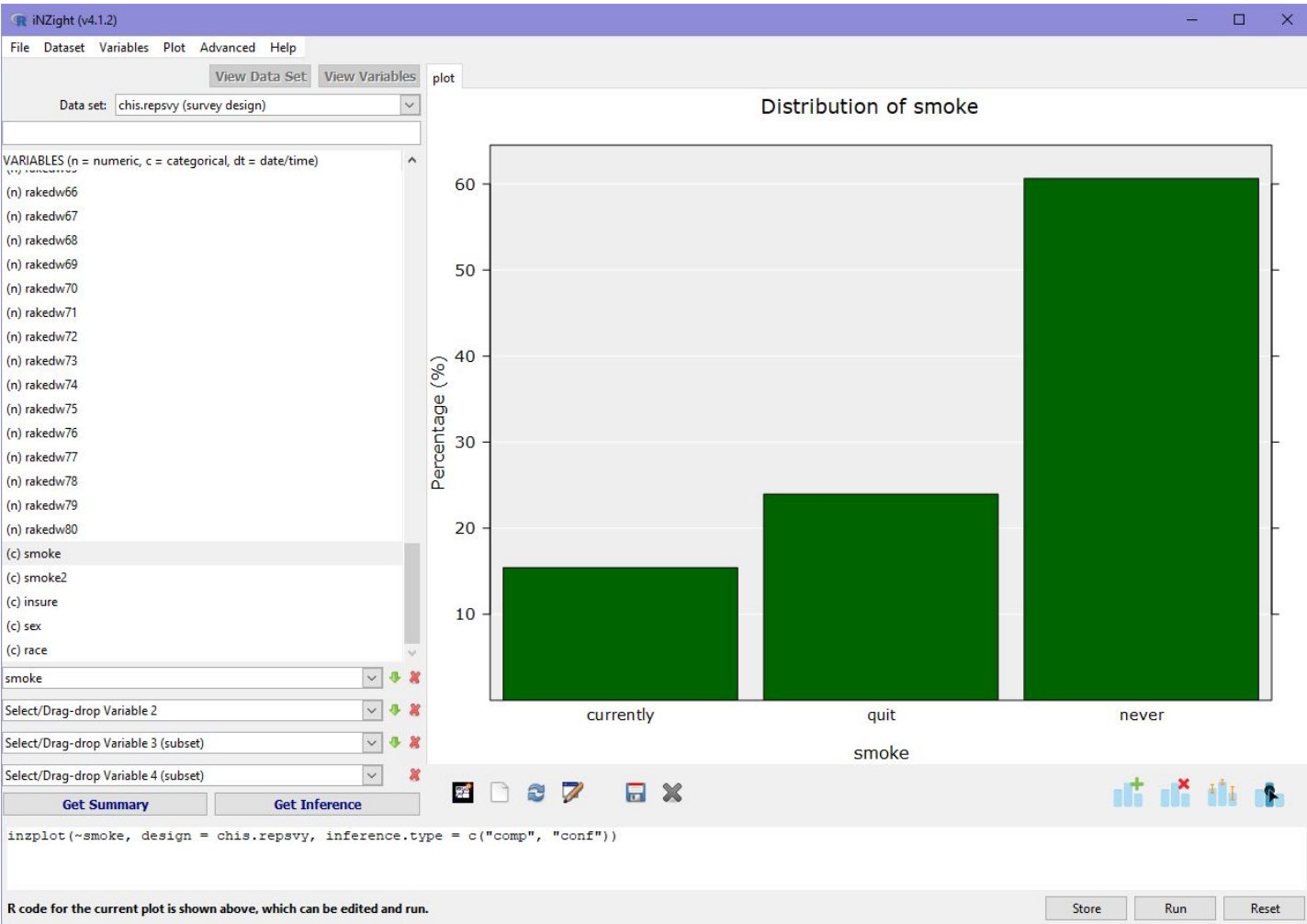
File Type : Survey Design Files (.svydesign)

Preview

Select values in the 'Type' column, then click and use the drop-down to change the type.

	Name	Type	Values
1	puf_jd	auto	10025444 10013192 10018427 10020164 10011490 ...
2	ab22	auto	2 1 2 2 2 ...
3	ab29	auto	2 1 2 2 2 ...
4	ab30	auto	-1 1 -1 -1 -1 ...

Advanced Options



- Graphs
- Summaries
- Hypothesis testing
- Regression (svyglm)
- Data wrangling
 - Filter
 - Aggregate
- R script



TE ROUROU
TĀTARITANGA

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```
Summary
inzsummary(~smoke, design = chis.repsvy)
|
R code is shown above, which can be edited and run. [Store] [Run] [Reset]

=====
iNZight Summary - Survey Design
=====
Primary variable of interest: smoke (categorical)

Total number of observations: 25551
Estimated population size: 14473035
=====
Replicate weights design
with 80 replicates.
=====

Summary of the distribution of smoke:
=====

Population Estimates:

      Count  currently  quit  never  Total
-----
Percent    15.41%   23.96%  60.64%  100%
std err    0.31%    0.35%  0.41%

Design effects    1.91    1.72    1.80
=====
```



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