



Unrestricted Attribute Appraisal

User Guide

Revision 1 – May 5, 2017

Purpose

This program performs a variable appraisal on a data file previously created by the user based on information gathered from an unrestricted random sample. Variable sampling is used to estimate quantitative characteristics. For each sampling unit the user obtains one or more numeric pieces of information about an event or item. The user has the option of obtaining and appraising from one numeric piece of information per sample item (e.g., Examined amount) to as many as three pieces of information per sample item (i.e., Examined, Audited and Difference amounts). If the user decides to appraise all three pieces of information, only two of the pieces of data may be entered and the third will be calculated by the program. The variable appraisal program assumes that some variation exists between values. If no variation exists, then there is no need to run this appraisal program.

Input Screen

Unrestricted Variable Appraisal

File Help

Audit / Review Name:
Variable SRS

Universe Size:
10000

Data Format Options:
☐ Examined ☒ Audited ☐ Difference
☐ Examined / Audited ☐ Audited / Difference ☐ Examined / Difference

Output Options:
☐ XLS File ☐ CSV File
☐ Text File ☐ View in Browser

Preview Table:

	A
1	0
2	0.32
3	0
4	0
5	0
6	7.28
7	10.4
8	0
9	0.35
10	16.92
11	25.24
12	8.15

Open Input:
Browse

Select Worksheet:
Example 1

Set Row Start:
1

Set Examine Column:
A

Set Audit Column:
A

Set Difference Column:
A

No Data to Display

Help

Execute

Exit

Validation Console

WARNING: You have NOT selected an output type for the results. Assuming screen display only.

WARNING: You have NOT set the name for this audit. Using auto-generated name: 'windows_audit_1494031995'

NOTE: This example is for illustrative purposes only. The sample size may not conform to the organization’s minimum sample size standards.

Audit/Review Name

This program allows the user to enter a brief description of the audit or purpose of the evaluation.

Universe Size

The universe size is the total number of items from which the sampled items were selected. This number will be used in estimating universe parameters. The maximum size is 2,147,483,647.

Format of Input File

Prior to executing this program, the user must create a data file that contains certain identifying data and one or two pieces of information for each sample unit selected. Each data line consists of a line number for that sampling unit followed by the first piece of information (a numeric value) the user wants to appraise (i.e., examined, audited, or difference value). If two or more pieces of information will be appraised and the examined amount is one of the values, then the examined amount must be the first piece of data entered for each sampling unit. If only the audited and difference amounts are being appraised, then the audited amount must be the first piece of data entered. The second piece of information may be the numeric difference between the examined value and the amount accepted by the user or the audited amount if the examined amount was the first piece of data entered.


Supported Input Formats

Description	Extension
Microsoft Excel 97 – 2003 file format	.xls
Microsoft Excel 2007 and higher file format	.xlsx
Data Interchange file format	.dif
Comma separated values file format	.csv
Space/tab separated values file format	.ssv, .txt or .dat

Specify Input File

Click on the “Browse” button under the “Open Input” group. This will show a “File Open” dialog box to select input file.

Open Input:



After loading a file the read-only preview table will be populated. You can use the Set Row Start and Set (Audit, Examine, Difference) Column drop –downs to select the proper data ranges. In the example below the “Examined / Difference” data format type is selected which causes the “Set Audit Column” drop-down to be disabled. After row and columns are selected, the function is ready to be executed.

Audit / Review Name:

Variable SRS

Universe Size:

10000

Data Format Options:

☐ Examined

☐ Audited

☐ Difference

☐ Examined / Audited

☐ Audited / Difference

☒ Examined / Difference

Output Options:

☐ XLS File

☐ CSV File


☐ Text File

☐ View in Browser

Preview Table:

	A	B	C
1	Sample N...	Examined...	Difference...
2	1	963.09	-10,000
3	2	667.45	0.23
4	3	7,193.89	333,400.1

Open Input:



Select Worksheet:

Example 2

Set Row Start:

2

Set Examine Column:

B


Set Audit Column:


A


Set Difference Column:

C

No Data to Display

 Help

 Execute

 Exit

Validation Console

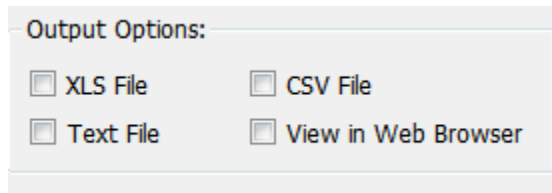
This form provides a method of error/exception prevention by displaying up-to-date warning and error messages. Execution may continue when only warnings exist but will be blocked by errors until they are fixed. When neither errors nor warnings are detected the validation console is hidden.

Menu / Keyboard Shortcuts

Menu	Keyboard	Description
File -> New Window	Alt + N	Create a new instance of the program
File -> Recently Used	Alt + R	Load previous successful runs
File -> Import Input Data	Alt + I	Loads file dialog to select input data
File -> Execute	Alt + E	Execute Function
File -> Exit	Alt + Q	Exit Program
Help -> About	Alt + A	Show “About” dialog
Help -> Help Topics	Alt + H	Show this help document

Output Options

The program supports four output types (If the user selects XLS, CSV or Text File then the “Save As” dialog will appear):



Output Options:

☐ XLS File ☐ CSV File

☐ Text File ☐ View in Web Browser

- 1) CSV (.csv extension) – Comma separated values
- 2) XLS (.xls extension) – Microsoft Excel 97+ output format
- 3) Text (.txt extension) – Evenly spaced readable text file
- 4) View in Web Browser (HTML) – Opens the output results into default web browser for viewing

Standard Error (Total): A measurement of the variation of the estimated universe total with respect to all possible estimated totals for this universe and sample size.

Kurtosis: A measure of the peakedness or flatness of the frequency distribution of the sample values.

Point Estimate: A single estimate for the universe total based on the sample mean multiplied by the universe size.

Skewness: A measure of the symmetry of the frequency distribution of the sample items. Accounting universes are usually right-skewed (majority of items have a low value while a few items have a high value)

Confidence Level: The confidence (80%, 90%, 95%) associated with the ability of the corresponding interval to contain the true mean (or universe total).

Precision Amount: A measurement of the closeness of the sample estimate of the universe total and the corresponding unknown universe value. The precision amount is calculated by multiplying the standard error by the universe size and multiplying the result by the appropriate factor ("t" value) corresponding to the desired confidence level.

Precision Percentage: The result of dividing the precision amount by the point estimate and stating the result as a percentage.

t-Value Used: The t- percentile value used to construct the confidence interval.

Lower Limit (Total/Percent): The lower boundary of the confidence interval. The limit is shown as both a number and percentage of the universe. The confidence levels are 80%, 90%, and 95%.

Upper Limit (Total/Percent): The upper boundary of the confidence interval. The limit is shown as both a number and percentage of the universe. The confidence levels are 80%, 90%, and 95%.