












Getting Started With



File Home Insert Draw Page Layout Formulas Data Review View Developer					
<div>  SIP Input  SIP Input  Chance of Whatever  Graphs  Avg  %  Tail Risk  Std Dev  Save as CSV  ChanceCalc Settings  About </div>					
<div> <div>E3</div> <div> <div>✕</div> <div>✓</div> <div>fx</div> </div> <div>=COUNTIF(Output_1, ">" & Budget) / PM_Trials</div> </div>					
	A	B	C	D	E
1		Under Average	Simulated	Chance of	
2		Assumptions	Average	Being	
3	Operating Costs	\$0	\$160	Beyond Budget	75%
4	Revenue	\$1,000,000	\$600,000	Below Projection	50%
5	Project completion	10 weeks	15 Weeks	Behind Schedule	88%



Contents

1. Basic Commands

- a) SIP Input
- b) Chance of Whatever
- c) Graphs
- d) Insert Average, Standard Deviation, & Percentile
- e) Insert Tail Risk
- f) Save as CSV
- g) Settings and About

2. Reading Libraries



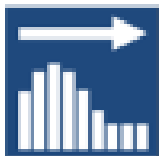
1. Basic Commands

Determine the chance that any formula is greater or less than any specified target

Determine the simulated average of any formula

Determine the simulated average of results beyond a specified target

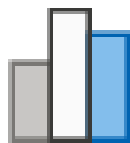
Settings, including number of trials & Chance percent rounding



SIP
Input



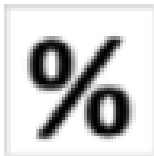
Chance of
Whatever



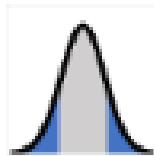
Graphs
▼

Avg

Insert
Average



Insert
Percentile



Insert
Tail Risk



Insert
Std Dev



Save
as CSV



ChanceCalc
Settings



About

Select SIP
Libraries and input
into your model

Create histograms or
cumulative charts of
any formula or scatter
plots of any pair of
formulas

Determine a
specified
percentile of
any formula

Standard
Deviation

Save
simulated
results in CSV
format

Check
version
number



SIP
Input

a. SIP Input

Insert SIPs

Destination
C1

Library
Gaussian Copula Development Time Library

Open Local Lib... Use Clipboard

Filter

☐ Sort alphabetically

Accounts
Products
Orders
Fulfillment
Marketing

☐ Insert Name To Left

Sparkline Location
C1

OK Cancel

1. Select destination cells. It saves time to do this before clicking SIP Input

2a. Open a copied SIP library or link to library

2b. Open a SIP library on your local machine

3. Select SIPs to Insert

Optionally insert SIP names

Optionally specify Sparkline location

Information on active library appears in A1:A4. If these cells are not empty, you are prompted for an alternate location.

	A	B	C	D
1	Trial		Electricity	8.61791
2	1		Parking	49047
3	Permits_Approval_Timeframe_Library		Sewer	88064
4	Sewer-10-22		Water	9388

SIPs appear here. SIPs may have distribution graphs if included in library metadata. Italics are reminder that this number a single trial of multiple trials.

A1: Data to display. May be changed to metadata.

A2: Specifies trial number when A1 set to Trial

A3: Name of active library

A4: Library provenance



Chance of
Whatever

b. Chance of Whatever

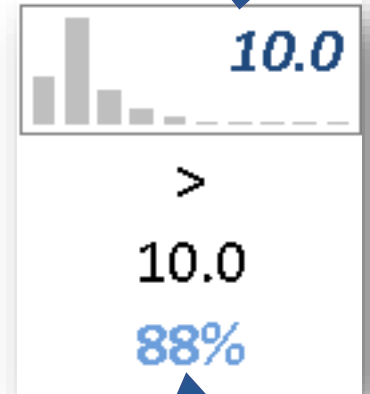
1. Select location of
Chance cell before
clicking button

2. Fill in fields and
click **OK**

4. The optional Sparkline Destination will be
auto-filled based on the Formula address and
the Default Sparkline Position in the Settings
dialog. You may also manually adjust it.

3. You may optionally name formulas
when you get statistics on them. This is
useful if you plan to save your outputs.

Formula will be simulated
with a resulting sparkline
histogram. Text will be
Italics to indicate a single
trial of many.



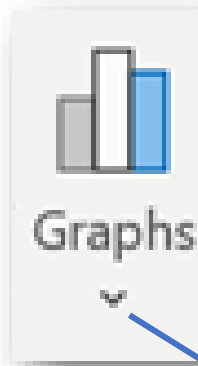
Chance appears in
Blue to indicate a
statistic calculated
over all trials.

c. Graphs

1. Select formula cell to graph before clicking button

2. Click button to create histograms, cumulative graphs

3. You may optionally name formulas when you graph them. This is useful if you plan to save your outputs.



4. Click down arrow for scatter plots

☐ Chart Selected
☒ Chart SIPmath Out

Names (optional)

Outputs to Graph

\$D\$8

Number of Bins: 50

☐ Sparkline
☒ Excel chart
☐ Chart data only

☐ Integer Charts?

Histogram Starting Location

Cumulative Chart Starting Location

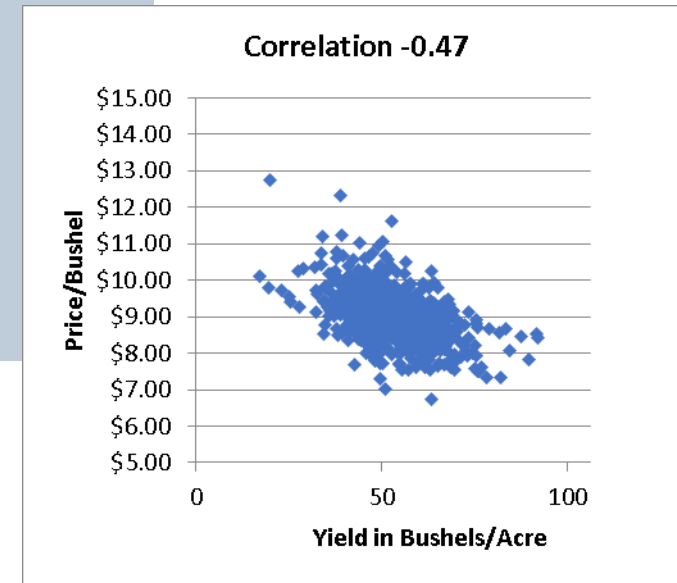
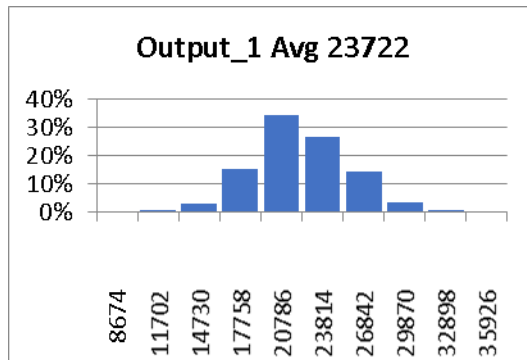
☒ Put multiple charts in rows
☐ Put multiple charts in columns

OK Cancel Chart Controls

X output cell Sheet1!\$D\$3
 Y output cell Sheet1!\$D\$4
 Optional Correl Cell Sheet1!\$D\$14

OK

Cancel



d. Insert Avg, Standard Deviation, & Percentile

1. Select location of Stats before clicking button

Reminder: You may optionally name formulas when you get statistics on them. This is useful if you plan to save your outputs.

Avg
Insert Average

σ
Insert Std Dev

Percentile
Insert Percentile

Average / Standard Deviation (same syntax)

Names (optional) _____

Average of **Sheet1!\$D\$8**

Stats Destination **\$D\$9**

Sparkline Destination **D8**

OK Cancel

2. Select Formula you want the Stats for

Names (optional) _____

Output **Sheet1!\$D\$8**

Desired % _____

Stats Destination **\$D\$9**

Sparkline Destination **D8**

OK Cancel

3. Select desired percent

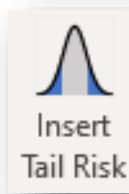
4. The optional Sparkline Destination will be auto-filled based on the Formula address and the Default Sparkline Position in the Settings Dialog. You may also manually adjust it.

Stats appears in blue to indicate a statistic calculated over all trials.

3. Select desired percent

e. Insert Tail Risk

(The Average Above or Below a Specified Percentile)



1. Select location of Tail Risk result before clicking button

The 'Tail Risk' dialog box is shown with the following fields and values:

- Names (optional):
- Tail Risk of: Sheet1!\$D\$8
- Relation (e.g. >= or <): <=
- Desired %: 45%
- Stats Destination: \$D\$9
- Sparkline Destination: D8

At the bottom are 'OK' and 'Cancel' buttons.

2. Select Formula you want the Tail Risk for

3. Relation may be typed directly or refer to a cell or range

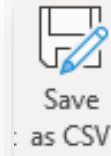
4. Desired percent may be typed directly or refer to a cell or range.

5. The optional Sparkline Destination will be auto-filled based on the Formula address and the Default Sparkline Position in the Settings Dialog. You may also manually adjust it.

Reminder: You may optionally name formulas when you get statistics on them. This is useful if you plan to save your outputs.

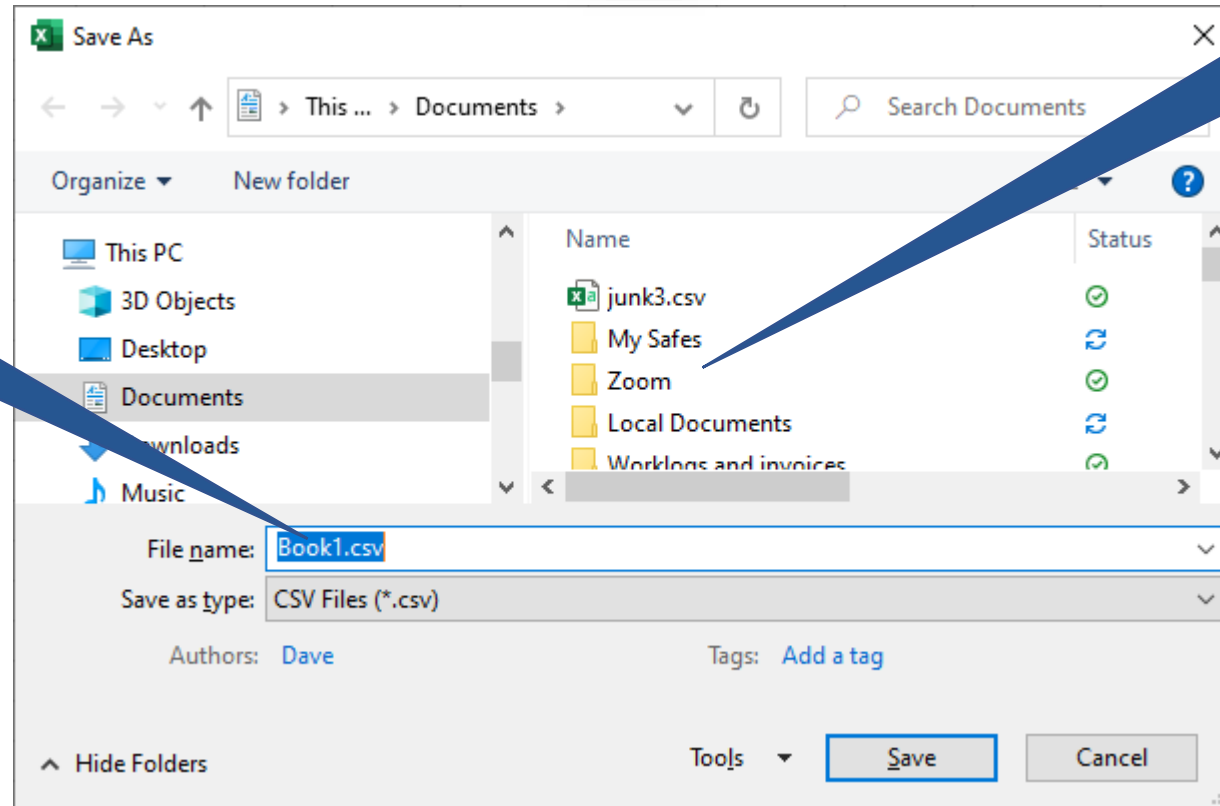
Stats appears in blue to indicate a statistic calculated over all trials.

f. Save as CSV



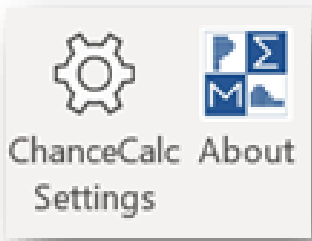
1. Enter file name under which to save data

2. Select folder to save data



Simulated Data from the PMTable Tab will be saved with the name you specify

g. Settings and About



ChanceCalc Settings

☐ Warn before over-writing data

Number of Trials

☐ Round Chance of Whatever to...

percent

Default Sparkline Location

☐ Above

☐ Left ☒ Formula Cell ☐ Right

☐ Below

☐ No sparkline

OK Cancel

Choose number of trials (3.0 Libraries only). 2.0 Libraries are pre-specified.

Limit precision on Chance of Whatever to avoid over specificity.

Set default position of sparklines as relative to formula cells used in SIP Input, Chance of Whatever, Avg, Percentile, and Tail Risk.

Version Number

About ChanceCalc

ChanceCalc Calculator Release v Beta 1.5.25 full
Designed by Sam Savage
Programmed by David Empey
Based on the SIPmath Network Technology Stack
For help or questions email us at info@probabilitymanagement.org

SIPMath™ 3.0 Standard
Powering The Arithmetic of Uncertainty

Metalog™ System
Quantifying Uncertainty

HDR™ Generator
Ensuring Coherence

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www.probabilitymanagement.org

OK

2. Reading Libraries

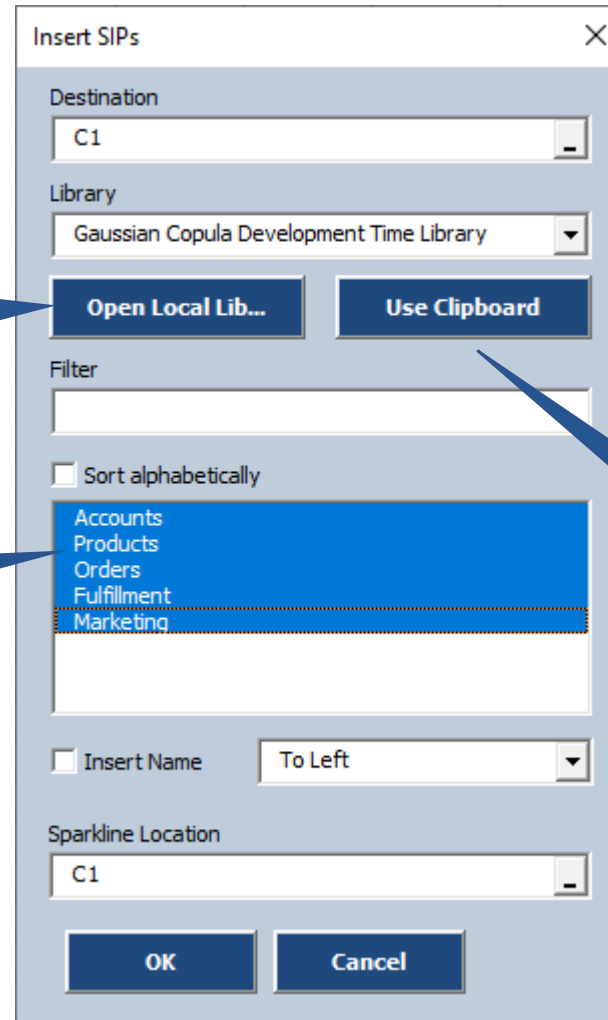
Libraries types supported are CSV, SIPmath™ 2.0 and 3.0 Standard and may be accessed from the web or your computer

From Your Computer

Click Open Local Lib...

Then browse to the desired file.

DON'T FORGET to select desired variables.



From the Web

1. Right Click web link and Copy to the Clipboard.

2. Then select **Use Clipboard** from the **SIP Input** command

