

# Title – Name of Model

Simulation

Data Table

Model

R Code

References

## Main Plot

simulation plot – includes drawing of:  
state variable(s)  
breakpoints  
ews statistic(s)

Radio Buttons for State Variables

Quick Analysis

Advanced Analysis

Customize  
Graph

## Side Panel

input boxes and  
input sliders to  
control the model's  
parameter values

## Arguments

input boxes and  
input dropdowns  
to control  
arguments for  
decomposition,  
breakpoint,  
and ews  
statistic methods;  
the run button  
to execute  
analyses

## Output

for decomposition plot,  
breakpoints (including:  
number of breakpoints,  
location, and a  
checkbox for drawing),  
radio buttons to toggle  
ews statistics, a  
download button for the  
ews statistics,  
a checkbox to draw  
ews statistic table,  
and the ews table

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## Main Plot

simulation plot – includes drawing of:  
state variable(s)  
breakpoints  
ews statistic(s)

Radio Buttons for State Variables

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Customize  
Graph

## General Arguments

input boxes and  
input dropdowns  
to control  
arguments for  
decomposition,  
and run button  
to execute  
analyses

## Output

for decomposition plot,  
breakpoints (including:  
number of breakpoints,  
location, and a  
checkbox for drawing),  
radio buttons to toggle  
ews statistics, a  
download button for the  
ews statistics,  
a checkbox to draw  
ews statistic table,  
and the ews table

## Tipping Point Parameters

input boxes and  
input dropdowns to  
control arguments  
for breakpoint  
method

## EWS Parameters

input boxes and  
input dropdowns to  
control arguments  
for ews method

Breakpoint hyperlink

EWS hyperlinks

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## Customize Graph Input

input boxes to change the main plot's title  
y-axis, x-axis, and state variable names

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Text: “Data Table for Model Simulation:”

**Download Button**

download main data table

## Side Panel

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## Main Data Table

data table for displaying state variable  
values based on “side panel” parameter  
values, as calculated by the model's code

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**Text: Name of the Model**

**Text: Equations for the Model**

**Text: Model Parameter Explanations**

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## R Code

implementation of the model in R

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References

**Text: “Read-only”**

**Ace Text Editor**

example R script

**Download Button**

download example R script

**Side Panel**

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parameter values

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- Model
- R Code
- References

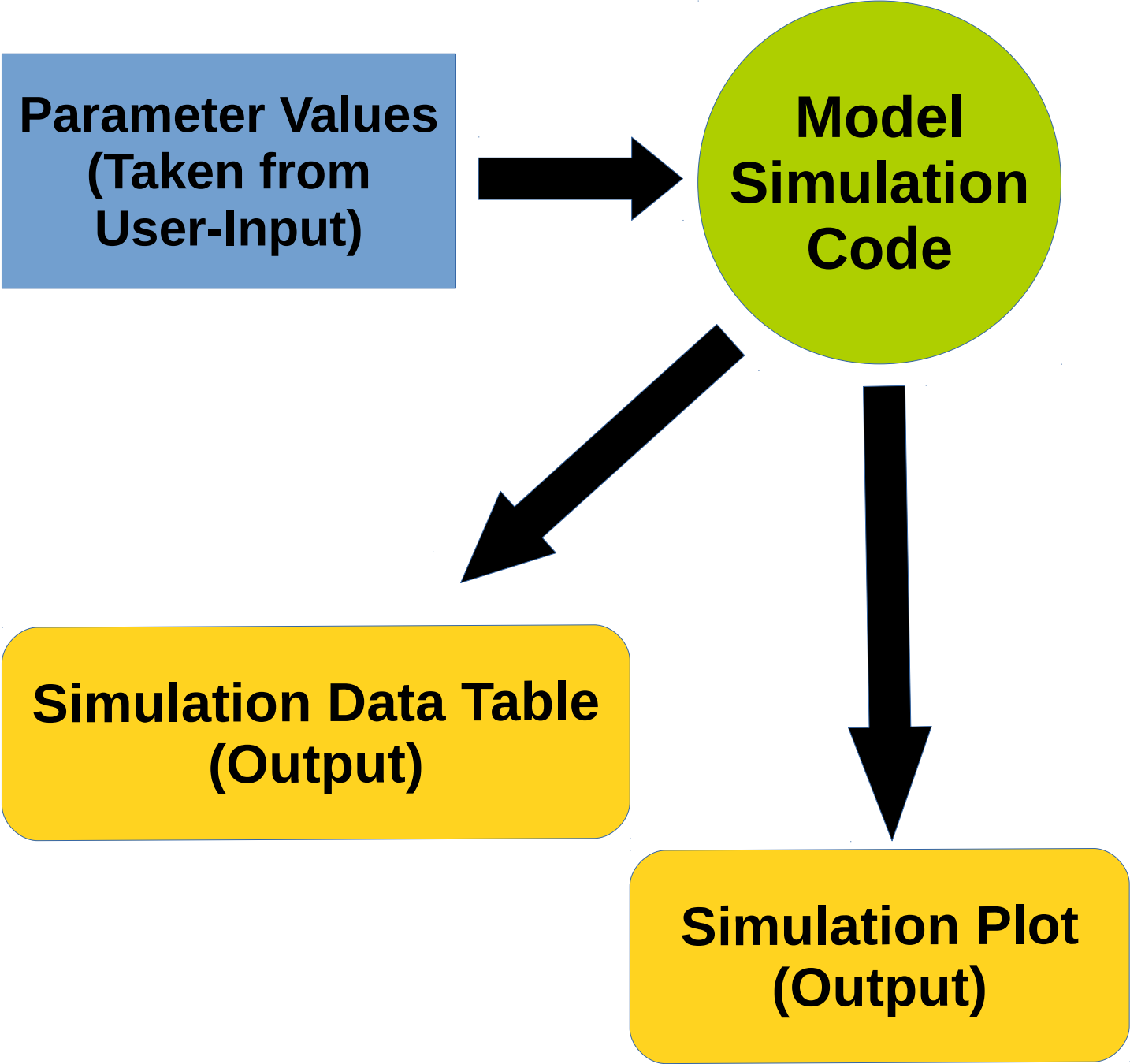
## Side Panel

input boxes and  
input sliders to  
control the model's  
parameter values

## References

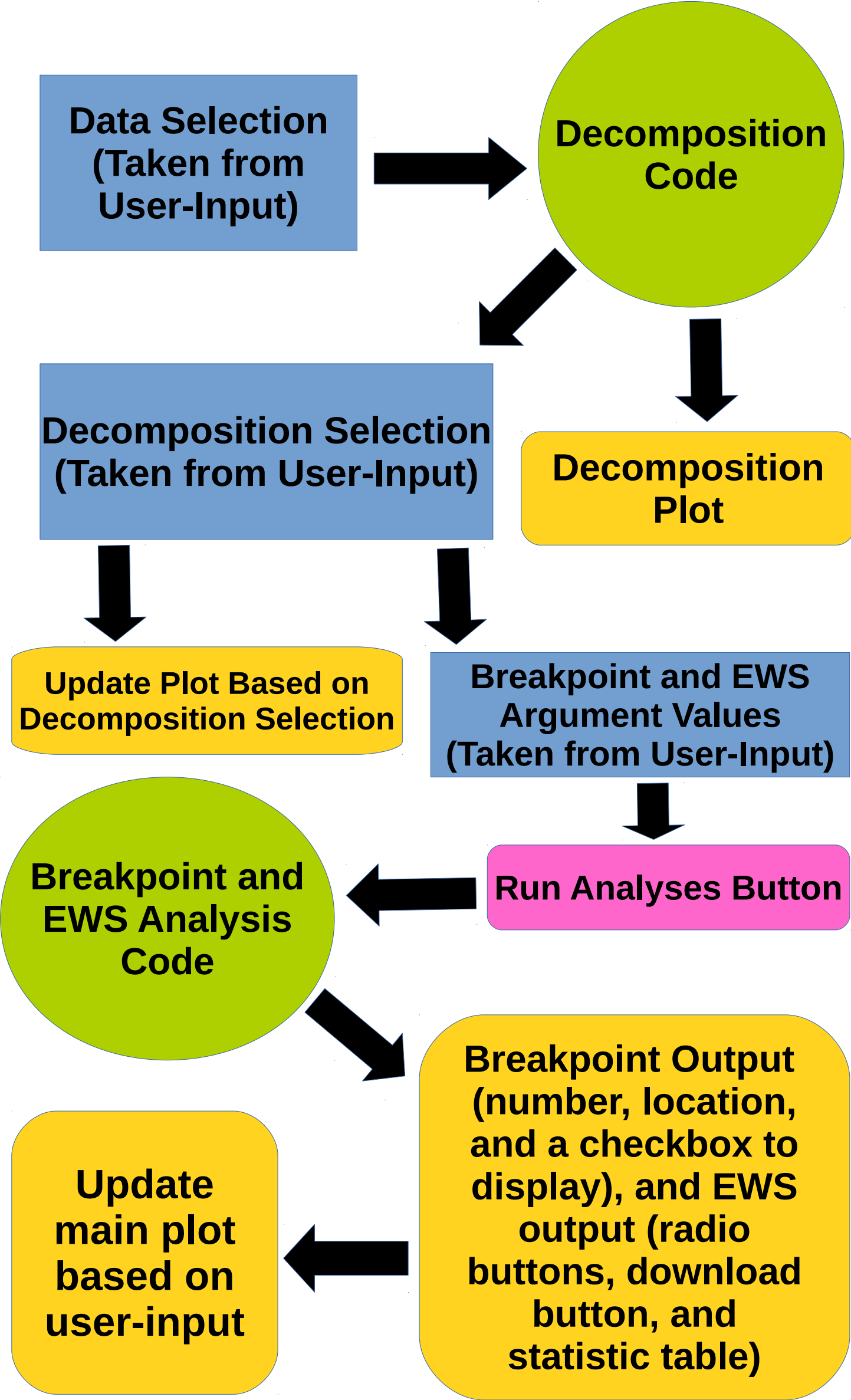
citations for each of the R Packages used  
in the app; citations generated from the R  
citation(*“nameOfPackage”*) method

# Model Simulation





# Quick Analysis



# Advanced Analysis

