**Marine Corp Marathon Simulation Model Instruction**

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# Files

ExtendSim file – MarineCorpsMarathon\_Rev10.mox

Input file – MCM\_InputData.xlsx

# Tool

You need to have one of the followings to open and run the model:

* ExtendSim software version 9.2
* Free demo version downloaded from ExtendSim website, www. Extendsim.com

The free demo allows you to fully execute any what-if analysis but you cannot save or modify the model.

To run the model, click on the play button from the menu bar .

You can run the model with or without animatin by toggle the animation button 

# Input File

Input put file must be placed in the same directory as the model file.

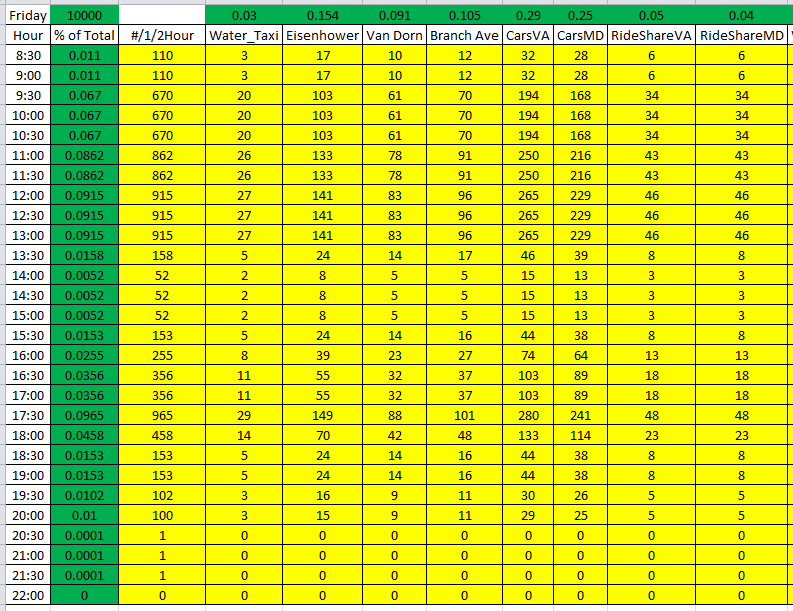
User can only change data in the green cell. Other cells are derived from the green cells.

Below are the list of parameters that user can change from the input file:

1 – Half-hourly arrival rate

2 – Total number of runners

3 – Percentage of people using each mean of transportation



%Half-hourly arrival rate

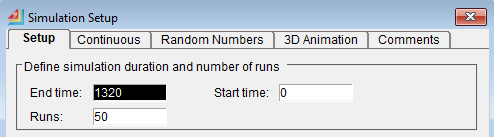
Percentage of people using each means of transportation

Total number of runners

# Model Setup

Before running or executing what-if analysis, user must indicate the desired number of iterations and the simulation duration.

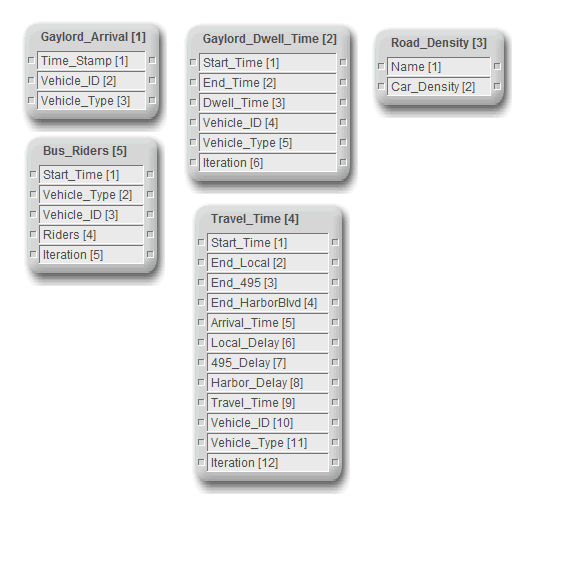
To setup the above parameters go to: Run > Simulation Setup from the menu bar. There will be a window popup that allows you to specify the desired parameters as shown:



# Model Outputs

The model exports data into its internal database tables, which can be accessed by selecting: Database > Model\_Outputs from the menu bar

Below is the screenshot of the database tables. To view the raw data, user can double click on the table name



In additional to raw data, the model also calculates statistical results. To view statistical results, click on the “Travel Time Statistic” block from the model topology 