

World Cup Simulator Quick Guide

- Only open the Excel workbook entitled Isthmus Partners' World Cup Simulator if received from a trusted source or downloaded from the www.isthmuspartners.ae website within the Publications tab.
- In Office 2007, open the Excel workbook and accept "enable this content" when prompted by Excel; this will activate the macros embedded in the workbook. In earlier versions, open Excel and click on "Enable Macros".
- In the 'Setup' worksheet you can control the weighting between the distributions that are originally assumed by the model (see report "Modelling and Simulation") on how these distributions have been estimated).
- Make sure "User Team Weightings" sum up to 1000, the user controls the weightings in the highlighted range (no decimals).
- In worksheets 'Group Stages' and 'Knockout Rounds' you can input results and the model will calculate group rankings (press 'Update Tables' button in worksheet 'Group Stages') and show the path throughout the knockout rounds to the final.
- In worksheet 'Setup', press the 'Run Simulator' button to bring up Simulator Dialog Box; see previous page to navigate the Simulator Dialog Box.
- Pressing the 'See Results' button in the Simulator Dialog Box will take you to the 'Probabilities' worksheet where you can see the probabilities of each team to reach certain stages within the simulation that is currently stored within the workbook.
- In order to run simulations entirely under your own assumptions, change the "Model" percentage in worksheet 'Setup' to 0% (that will automatically make User Input 100%).
- Play around with the Score Generator function within the Simulator Dialog Box to get the right "feel" for head to head distributions resulting from the inputted User Team Weightings. Each time you change the weights run the distributions again to ensure all the distributions reflect the new weights. As a rough rule of thumb each time you double the ratio between two teams the chances of the weaker team winning are cut in half.
- If the World Cup has started and you are updating the results in the workbook and/or you want to run the simulation with results that you input, then check the 'Keep User Input Scores in the Model' checkbox in the Simulator Dialog Box and the simulations will keep your scores in place (otherwise they will be disregarded in the simulation). All the results for prior rounds must be provided if the model is to keep the next round of user input results, e.g. if you have entered any scores for the round of 16 knockout stages, they will only be picked up if all of round one group stage results are provided.

World Cup Simulator Dialog Box

Distributions

Press 'Run Distributions' to run all head to head distributions

Press 'Clear Distributions' to clear current stored distributions (do so before distributing workbook to reduce file size)

Simulation

Check 'Run Distributions' if you have not run distributions yet or you have new assumptions

Check 'Keep User Input Scores in the Model' if you inputted scores in the model which you wish to keep and you do not want the simulation to disregard the scores

'Iterations' input between 500 – 9999

Press 'Run Simulation' to generate simulation with current distributions

Press 'See Results' to see distribution of probabilities

Press 'Clear Results' to erase results (do so before distributing workbook to reduce file size)

Analysis of Heads to Heads

Run Simulation first

- Choose in 'Condition' to "meet by" or "meet in"
- Choose Round where to meet by or in
- Choose Team A & Team B
- Press 'Find Probability' button

You will see the probability of the head to head event within the current stored simulation

Score Generator

- Choose Team A & Team B
- Choose number of iterations (500 – 9999)
- Press 'Generate Scores' button

You will see the distribution of scores and results between both teams

Click on link to access Isthmus Partners website

Click 'Close' button to close window