

Test Script: TestItem01	
UAT: Unconfirmed Bias	Date: 06/10/2017

Test Name	The win-to-loss ratio should approximately equal 0.42.
Use Case Tested:	Unconfirmed Bias
Test Description:	A player sits at the table, the player's bet is taken and the dice thrown on a round by round basis.
Pre-conditions	<ul style="list-style-type: none"> • A player. <ul style="list-style-type: none"> - the player is at the table with sufficient credits to play out a round and bet \$5. The amount is debited from the player's account. • A 'winning' condition: <ul style="list-style-type: none"> - a wager on a particular symbol shall win if the symbol appears on one or more of the uppermost face of the three dice and shall lose if the symbol does not appear. i.e. A number between 1-6 appears one or more times that is equal to the number randomly picked by the player. • Crown and Anchor games have an approximate 8% bias to the house. <ul style="list-style-type: none"> - the win : (win+lose) ratio should approximately equal 0.42.
Post-conditions	The win:loss ratio is printed when all games have finished (100 in number).

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Notes:	<p>An automated 'alpha' UAT.</p> <p>No direct user input required.</p> <p>The TestItem01 script is run ten times and the win-to-loss ratio average should confirm an 8% bias against the player.</p> <p>Meaning of results:</p> <ul style="list-style-type: none"> - the average win-to-loss ratio was 0.5 (no bias detected). 			
Result (Pass/Fail/Warning/Incomplete)	F			
	TEST RUN	EXPECTED TEST RESULTS	P	F
1.	Run the script <i>TestItem01</i> 10 times.	Average win-to-loss ration = approx. 0.42		F

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Test Run 1	Console Output
Result	<p>Win count = 1956, Lose Count = 2852, 0.41</p> <p>Win count = 2792, Lose Count = 1900, 0.60</p> <p>Win count = 2740, Lose Count = 1900, 0.59</p> <p>Win count = 1804, Lose Count = 2820, 0.39</p> <p>Win count = 1026, Lose Count = 3952, 0.21</p> <p>Win count = 2796, Lose Count = 1900, 0.60</p> <p>Win count = 2879, Lose Count = 1900, 0.60</p> <p>Win count = 2824, Lose Count = 1900, 0.60</p> <p>Win count = 1888, Lose Count = 2849, 0.40</p> <p>Win count = 2888, Lose Count = 1900, 0.60</p>

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Result

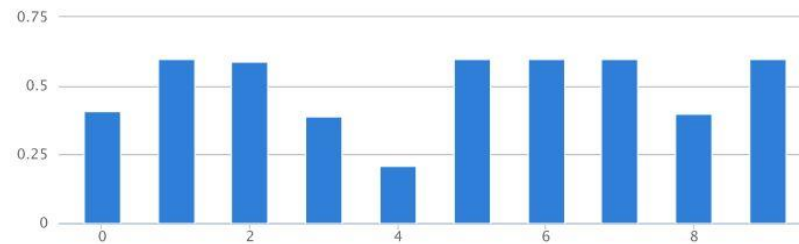
Mean, Median, Mode, Range Calculator

Result

Mean:	0.5
Median:	0.595
Range:	0.39
Mode:	0.60, appeared 5 times
Largest:	0.60
Smallest:	0.21
Sum:	5
Count:	10

Sorted Data Set: 0.60, 0.60, 0.60, 0.60, 0.60, 0.59, 0.41, 0.40, 0.39, 0.21

Column Chart of the Values



Please provide numbers separated by comma to calculate.

0.41,0.60,0.59,0.39,0.21,0.60,0.60,0.60,0.40,0.60

Calculate