

Directions to Create 100 Flips of a Coin (2 Flips)

Open a Google Sheet.

In cell A1, type “Flip 1 as number”

In cell B1, type “Flip 2 as a number”

In cell D1, type “Flip 1”

In cell E1, type “Flip 2”

In cell G1, type “Combined Flips”

In cell I1, type “Outcomes”

In cell I2, type “HH” which stands for Heads, Heads.

In cell I3, type “TT” which stands for Tails, Tails.

In cell I4, type “HT” which stands for Heads, Tails.

In cell I5, type “TH” which stands for Tails, Heads.

In cell J1, type “Percent occurrence”

In cell A2, type “=randbetween(0,1)” which will give you either a 0 or a 1.

In cell B2, type “=randbetween(0,1)” which will give you either a 0 or a 1.

In cell D2, type “= if(A2=0,”H”,”T”)” which will look at cell A2 and if it is a 0, it will put an H and if not, it will put a T.

In cell E2, type “= if(B2=0,”H”,”T”)” which will look at cell B2 and if it is a 0, it will put an H and if not, it will put a T.

In cell G2, type “=D2 & E2” which will concatenate the two letters.

In cell J2, type “=countif(G2:G101,I2)”

In cell J3, type “=countif(G2:G101,I3)”

In cell J4, type “=countif(G2:G101,I4)”

In cell J5, type “=countif(G2:G101,I5)”

You will now do a FILL DOWN for columns A through G.

Left click on cell A2 and drag over to cell G2. While still holding down, drag down to row 101. This should highlight all cells from A2 to G101. Let go and hit CONTROL and D on your keyboard, which will do a FILL DOWN for you.

Go back and look in cells J2 through J5. These numbers tell you how many times out of 100 flips that the pair occurred.

You will record this data in your chart under “1st 100 Flips”.

Now go to any blank cell, like I9, and hit the space bar and return, the spreadsheet will rerun the random numbers and give you a new set of data. Each time you mess with a cell, it recalculates. Do this 9 times to get your next 9 sets of 100 flips.