Tossing a coin to times resulted in 8 heads.

and 2 tails. How would you analyze whether

a coin is fair ? what is p-value?

bserved 8 2
Expected 5 5

Ho: Observed follows the distribution of expected (coin is form)

Ma: coin is brased

 \rightarrow p-val for $\chi^2=3.6$ and ds=1 is 0.0578 \rightarrow culich is > 0.05 \rightarrow cue fail to reject null pypothesis \rightarrow coin is fair. Touist: head tail observed 80 20 expected 50 50 $\chi^2 = (80.50)^2$ + $(20.50)^2$ + 900 50 36 50 + -11 - x p-val so x2=36 and df=1 is 0.00001 which is < 0.05 we reject null hypothesis coin is brased

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