

# Compare the Frequency of Payouts to Pick a Machine

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If first machine pays  $X$  times,  $P_1 = X/100$ .

If second machine pays  $Y$  times,  $P_2 = Y/100$ .

So  $X > Y$  implies  $P_1$  is probably  $>$  than  $P_2$ !

Most gamblers

- couldn't explain why at this level of detail
- let alone prove the MLE claims.

