

Acrofit Review

+

Walmart Intro

~ Aditya Jain  
(AJ)





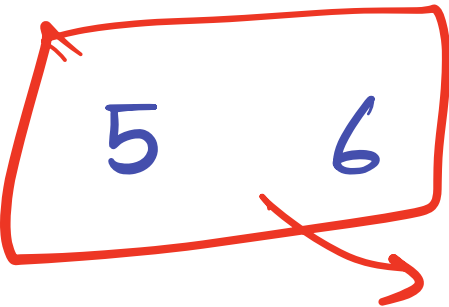
(8) what kind of product is  
popular among what kind  
of customers.

more likely to be  
purchased by.  
probability

Median is Robust to outliers

(eg)

1   3   5   6   9   10

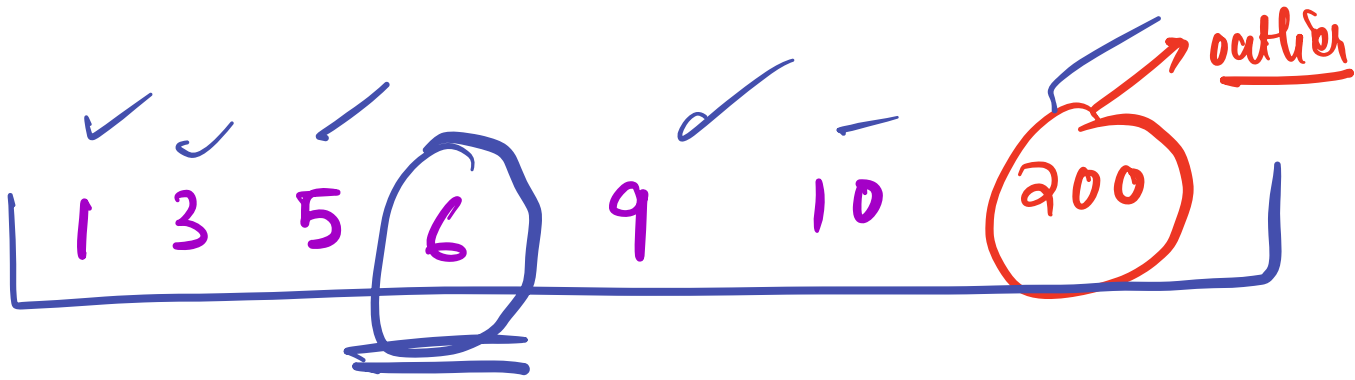


$$\text{mean} = \frac{1 + 3 + 5 + 6 + 9 + 10}{6}$$

$$= \frac{34}{6} \approx \underline{\underline{5.6}}$$

$$\text{median} = \frac{5 + 6}{2} = 5.5$$

eg 2:-



$$\text{mean} = \frac{34 + 200}{7} = \underline{\underline{33.42}}$$

$$\text{median} = \boxed{6}$$

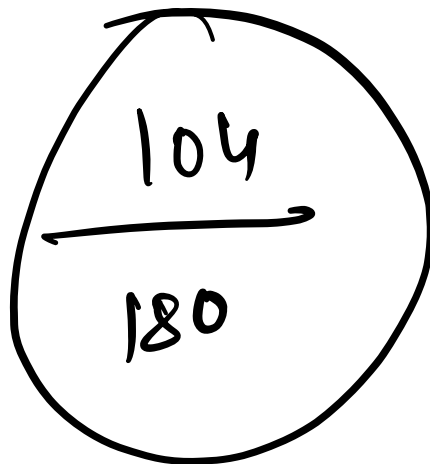
Obs:-



Male  $\rightarrow$  104

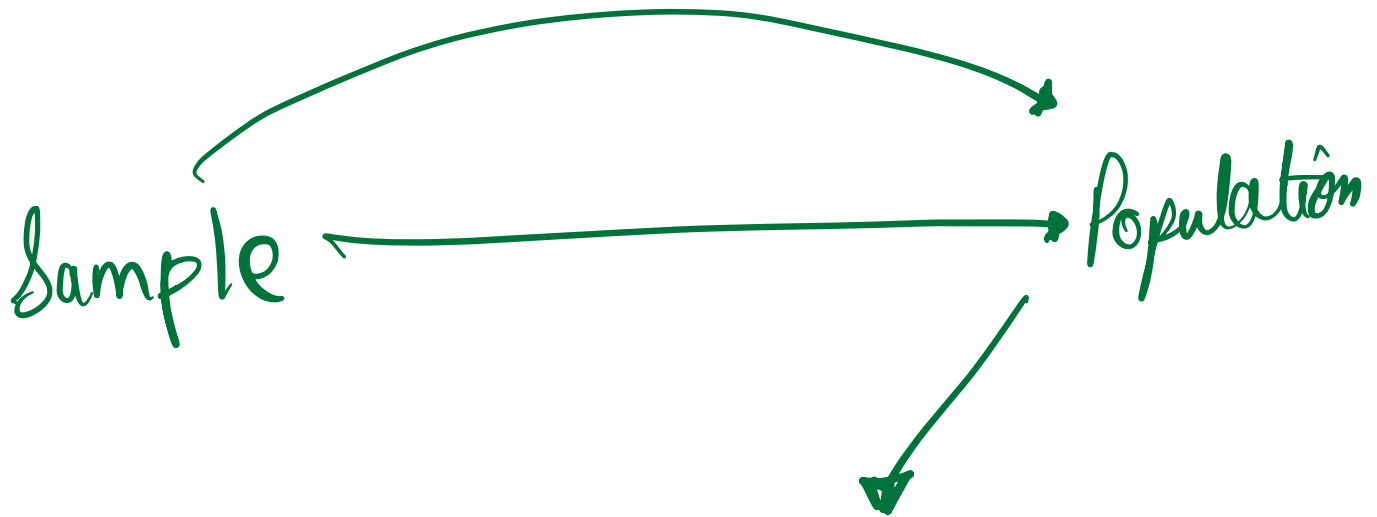
Female  $\rightarrow$  76

180



# Walmart Intro

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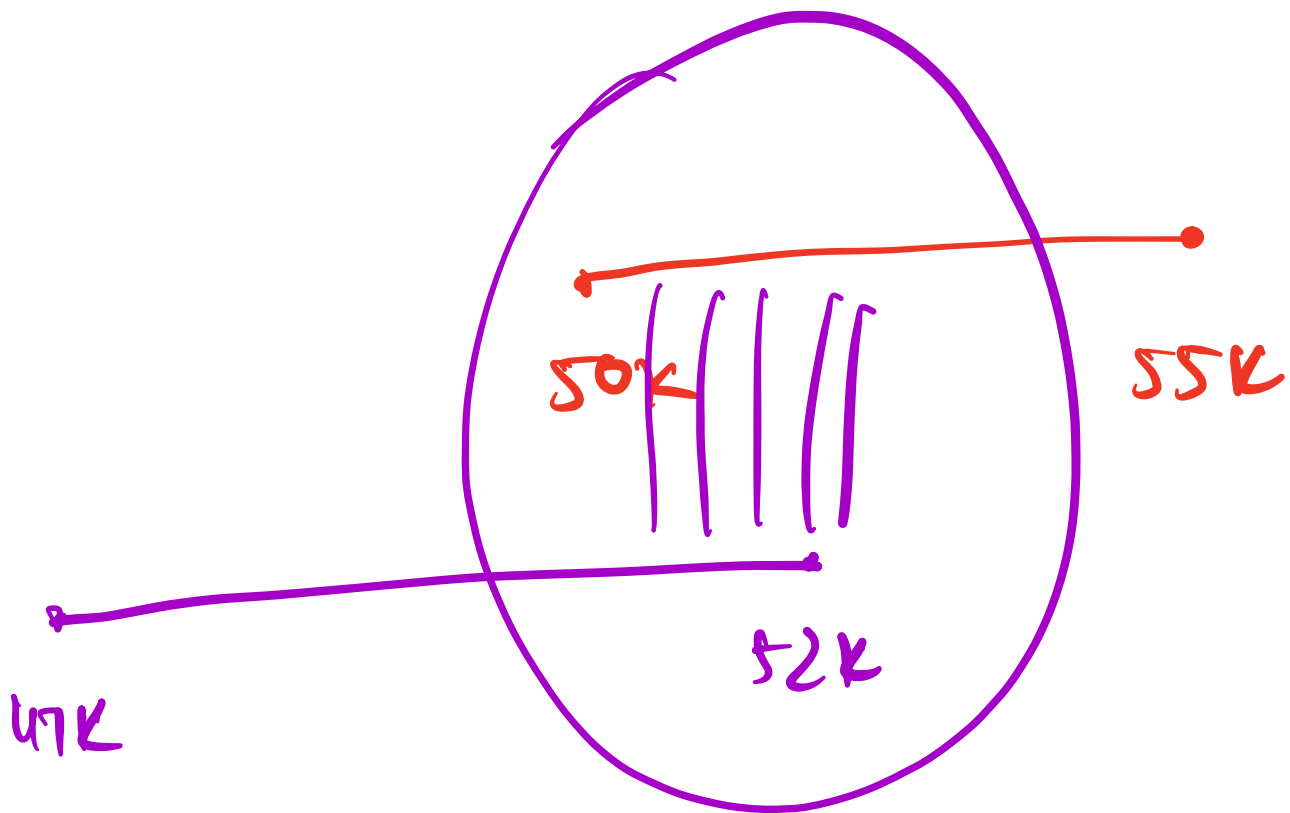
\* Confidence Interval (95%)

(Q) Do women spend more on  
Black Friday than men?

$M: [50k \quad 55k]$

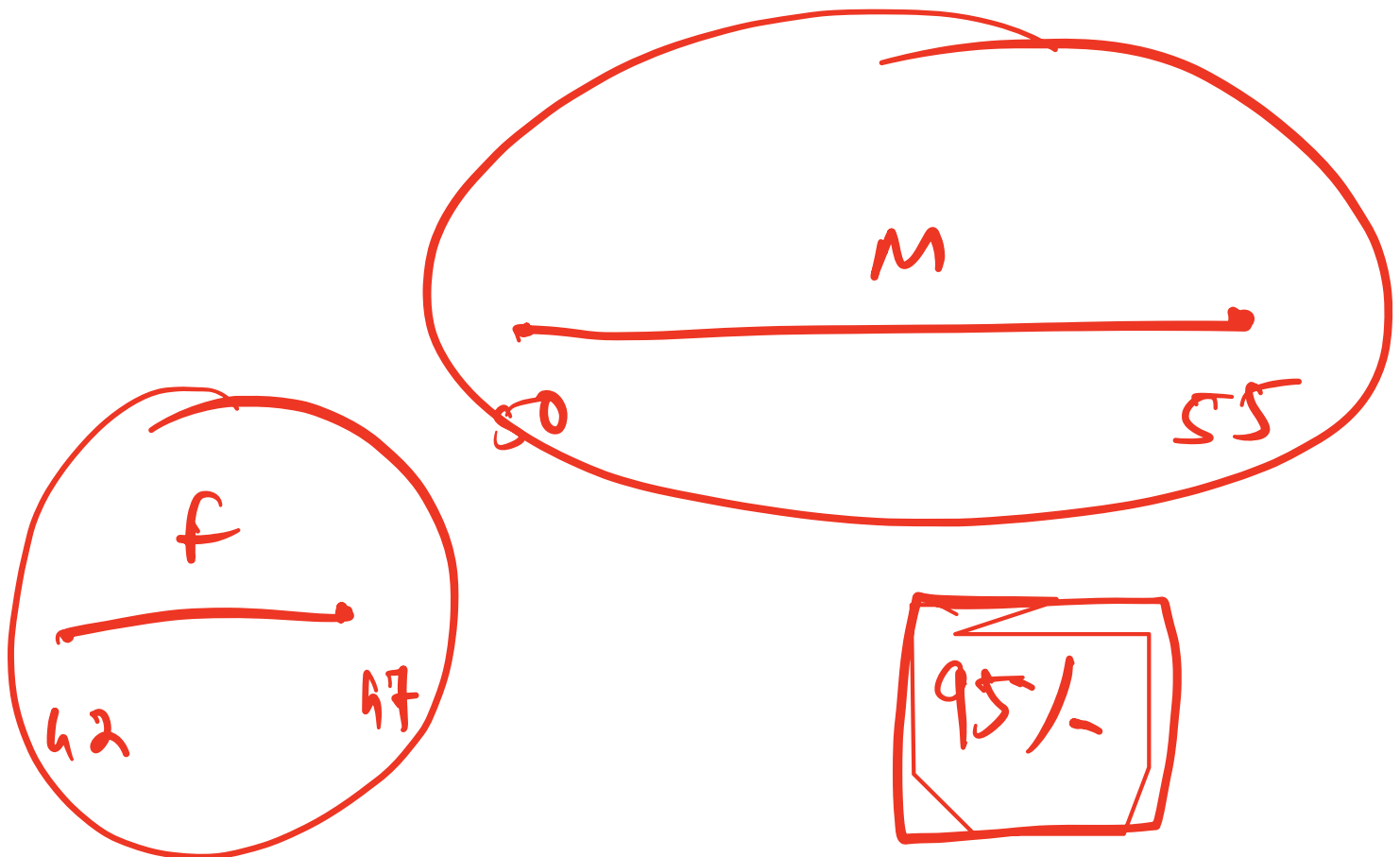
95%

$f: [47k \quad 52k]$



M: [ 50K 55K ]

F: [ 42K 47K ]



non-overlapping



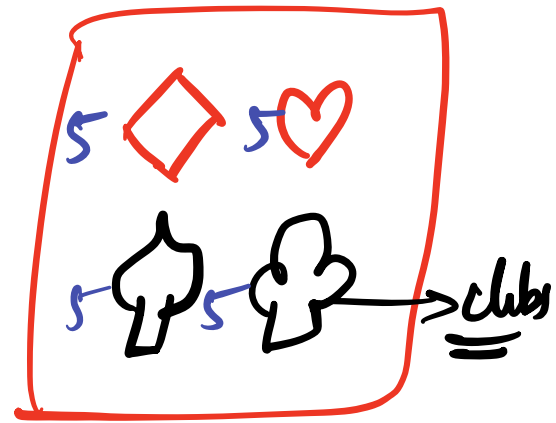
Q

① Marginal Prob

② Conditional Prob

③ Joint Prob

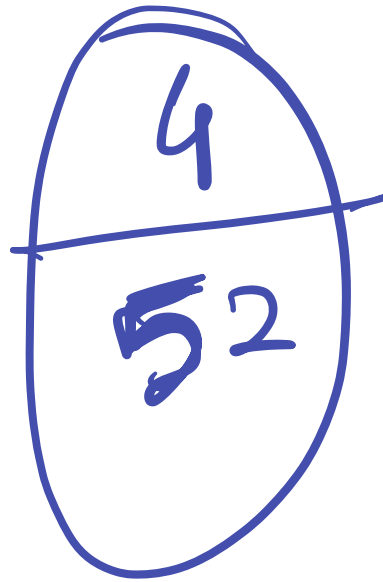
5 2 cards



① what is the Prob of  
getting 5?

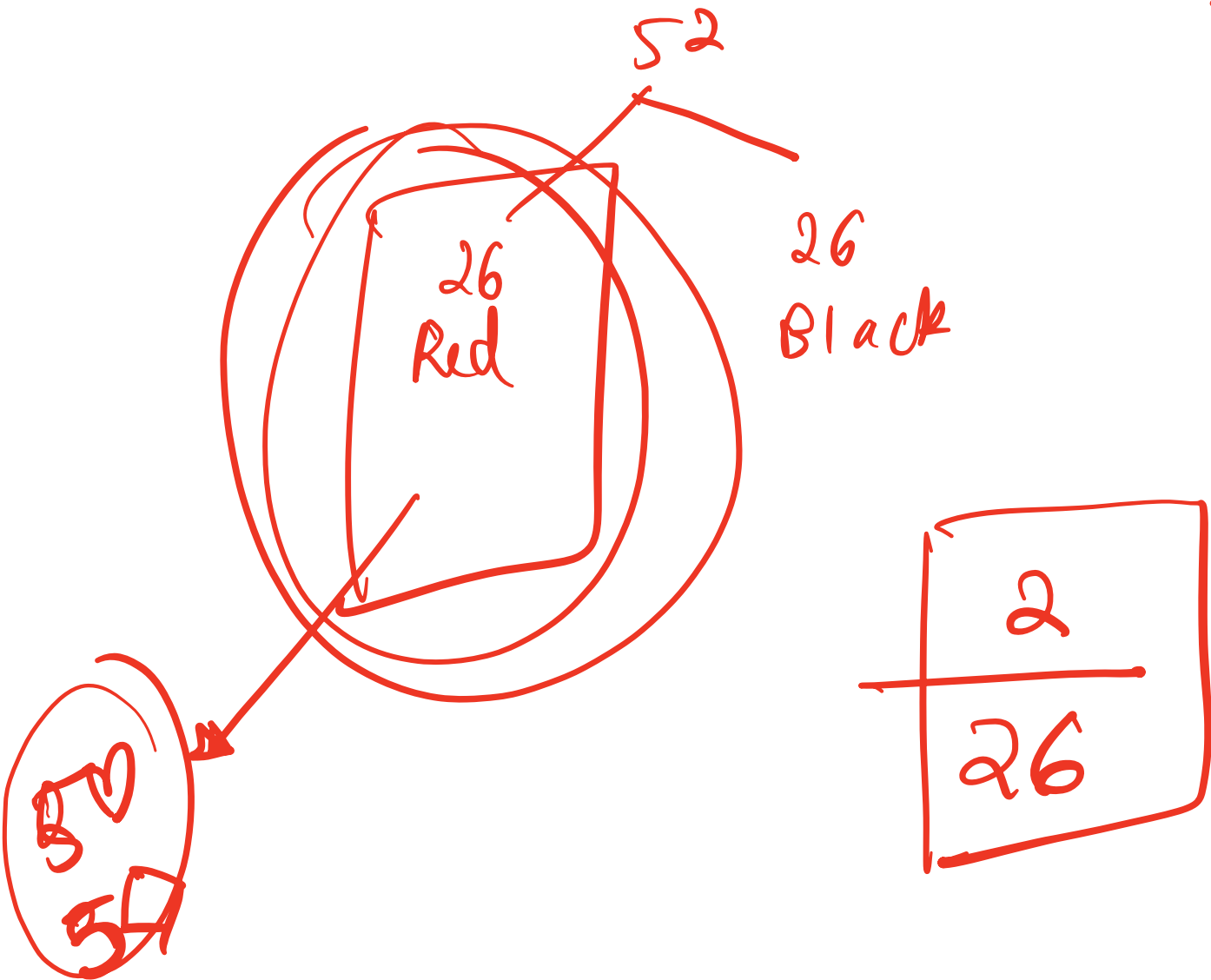


Marginal

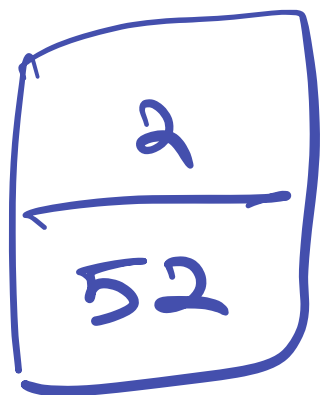


② what is the prob of  
getting 5 given that  
it is a Red Card?

Conditional



(q.3) What is the Prob of  
getting 5 of Red?



~~5 of Red~~

→ Joint

5♥

5♦