## = class starts @ 9:03 PM=

DA - Cumulalive lest -> SQL, Python,
Tableau + Excel,
Dala Analysis

Guesstination -> 2 classes

Co estimation with sensible assumptions & guess work

-> need not be perfect

\*49 - Thought-process

Why asked -> Break an open-ended problem into smaller chunks

I solve step by step

(Q) How many Cops of Coffee one sold in US every day

Total Population of US \$\times \frac{300}{200} Million Rids dont daink coffee -> 13+ Non-Rid Population ≈ (13+) percentage of 13+ who } ~ (65%) = 65× of 240M = 156 Million avg # of cops of coffee } = (2-3)
per person approx # of Cops of Coffee \ = 312-468

per day \ Millim ~ 400 Million

() CLARIFY

9 A...

3 BREK DOWN  G CALCULATION  S VALIDATE  Common Sem	Frankmon
= use chat GPT or Bast. Google to practice guestimation =	
Problem: Game 24/7  Tournment & Winner - 1 lach  Runner - up -> 50K	
(Q) what should be the fournment (paid Game)	entry"fee" for users) J Catleast break Even

Free (Arcade)

Paid -> Prize money (Tournment) Koyally cards:

-> skins; colors; ... (cosmetic )

-> no advanlage in the tournment

Ads:
\_ 30 sec ad @ the start of the

game

- Only for foee users

Revenue generalion

(1) Entry Fee - (?)

(2) Royally Casse

(3) Ads -> Gaming laptop / Mouse ....

Expenses:

1) Prize-money - 1 lach + sok INR

(2) Server hosting

(3) Maintainance-Cost -> to non the game

4) Promolin -> ads on Youtube celebrily-gamers.? (influencers)

Newly launched Game

) # active users ≈ 5 K

2) Free: paid users = 80:20

Royally Carris Doyeng 7 = 15% of total Royally Carris

Revenue per user who buys & = 2500 Rs

soyalty Caros

Darcade games & 1) tournment a day

(Free)

No ads

- 30 sec ad for free users

) Per 30 sec ad -> 1 lath per day
for all games

Server hosting -> 5 lakhs/month

(free & paid)

maintainance Cost -> 3 lakhs/month Promolion: Youtube ads Lo 15,000 Rs per day Promotion: Influencer (Cekelsity)
one fine: 5 Lakh One fine: Slakh Rs per month CapEx -> devoleping game OPEx -> maintainance; promotion; server Calculation: (pry month)
(30 days) # active usere = 5k # paid users = 1k (20%) Let entry fee for the tournament: 2 Total amount from paid users

## $= |K \times 2 \times 30 = 30 | \times 2$

Royally Com revenue = (5000 x 0.15) x 2500 = 18.75 lakh

Revenue from ad hosting
= 1 \* 30 \* 1/ach = 30 Lachs

mcome Revenue  $\begin{array}{l}
\text{Sok } \times +18.75L + 30L \\
= 48.75L + 30k. \times
\end{array}$ 

Cosle; 1+0-5

Prize money: 1.5 x 30 days = 45 Latchs

Promolins = (15k x30 days) +5 Caths = 9.5L

Jotal costs: 3+5+9.5+45 = 62.5L

Maintainne Server Cash Price

Promotions

Revenue = COSIS 30K2+48.75L = 62.5L 2 345 Rs / -> + Profit. -> mose complicated than # Cops of Coffee Consuméd per day in US Established - Mature Game: #active users: 25k free: paid: 90%: 60%. Royally Card punchasers: 5% of total users Revenue per Royally Carluser: 2500 per Moulh [ 10 arcade games per day
3 tournamente per day -> 1 lach le perday from ads shewn Promotions -> 5k / Day Server Costs = asl/month main-faince Costs = 15L/month

## -> same prize money? IL+o.sl per fournament

Royally 0.05 x 25 x 2500 = 31.25L

ad 30×1L = 30 Lathe

Total Revenue: 30+31.25+225 12 = 61.25L + 225x (2)

Costs:

Prize money: 1.5 x 3 x 30 = (352) biggest

Promolens: Sk per dayx 30 = 1.5L

Total costs: 1352 + 1.56 + 15 + 252 = 176.5L

Cosls = Revenue  

$$176.5L = 61.25L + 225k \times$$

$$\chi = 51.22 RS \longrightarrow due lo prize money.$$

Lete: 
$$11 \longrightarrow 33.33 \times Changighte$$
 $0.51 \longrightarrow 16 \times pnie money$ 

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Then,