

## GSheets Lecture 2 : Lookup Functions & Dynamic Array Formulas

### Agenda

- Problem Statement
- Lookup Functions
  - Vlookup
  - Hlookup
  - Index & Match
  - Xlookup
- Dynamic Array Formulas



Problem Statement: at ESPN as Data Analyst.

You have to implement a Search Functionality

where given a Match ID:

↳ name of winning team

↳ all other cols.

Lookup functions:-

↳ they provide a match horizontally or vertically



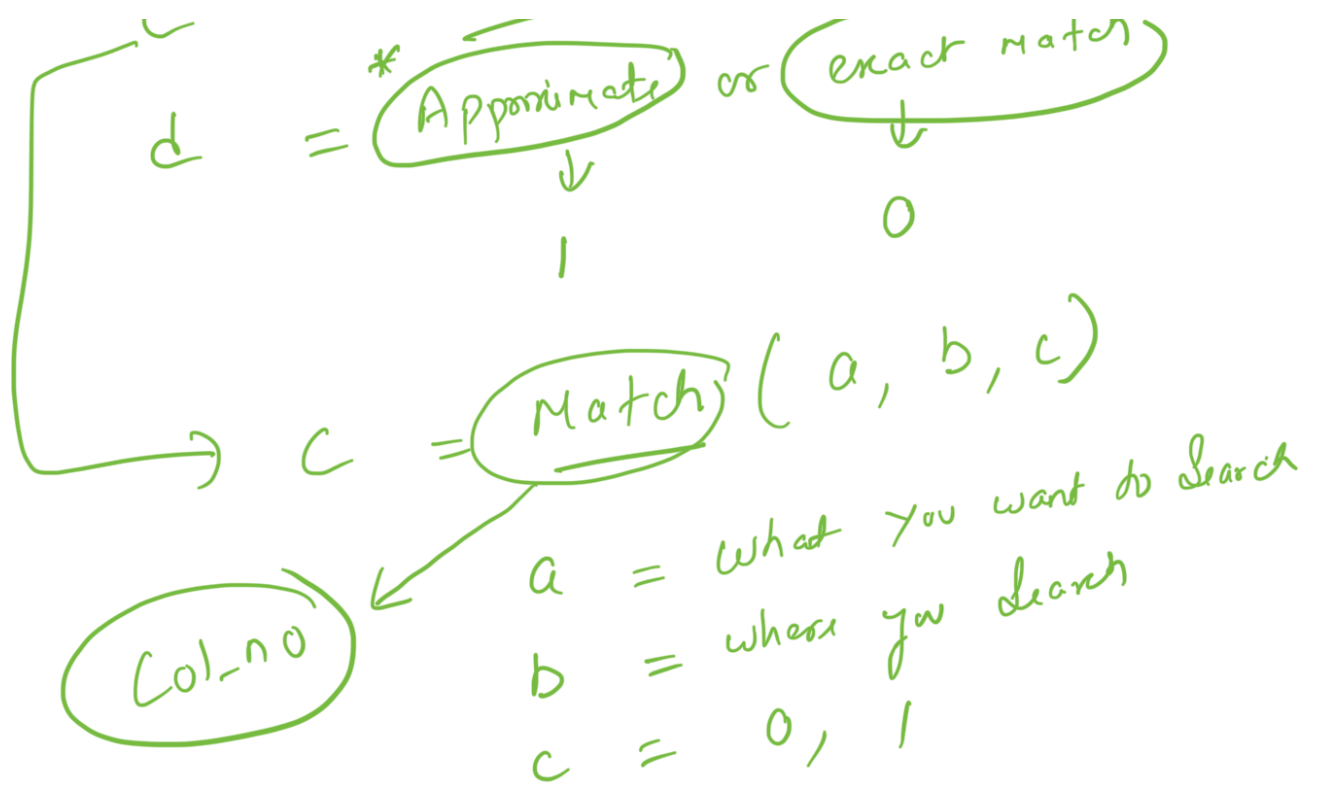
① vlookup ② Hlookup ③ Xlookup

↳ vlookup (a, b, c, d)

a = what you want to look up

b = where you want to look up

c = the coln number in the range



## X Lookup

- ↳ look-up-value
- ↳ look up - array
- ↳ return - array
- ↳ [if-not-found] "na"
- ↳ [match-mode]
  - ↳ 0 = exact
  - 1 = exact or next smaller
  - 1 = exact or next larger
  - 2 = wild card match
- ↳ [search-mode]
  - 1 = search from first to

✓

↳

1

1

last

-1 = searches lost to frost