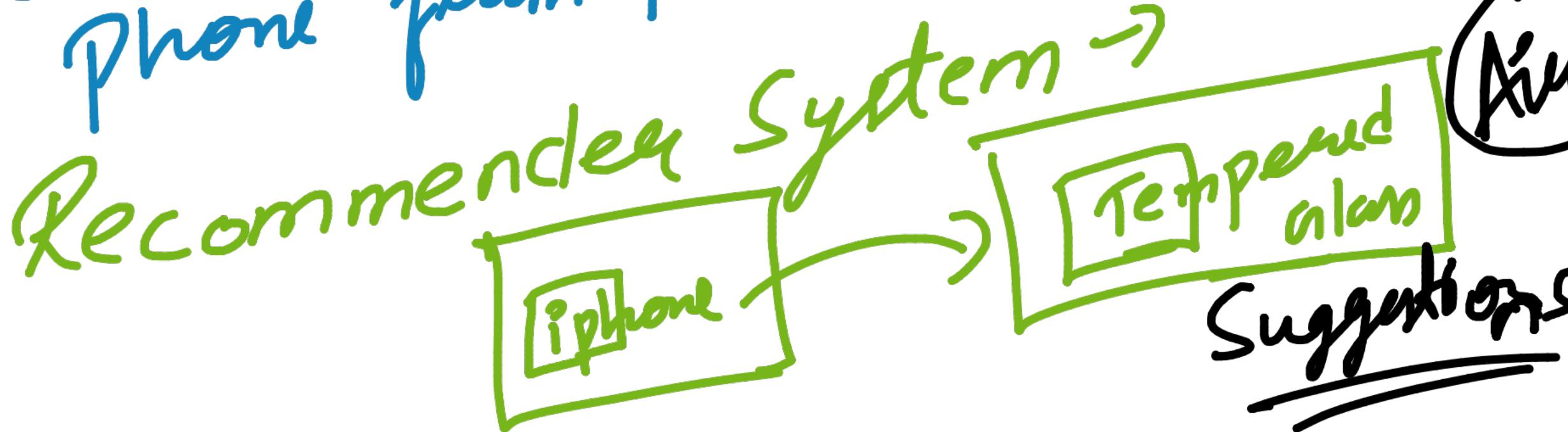


# Data Science Domain

## Natural Language Processing (NLP)

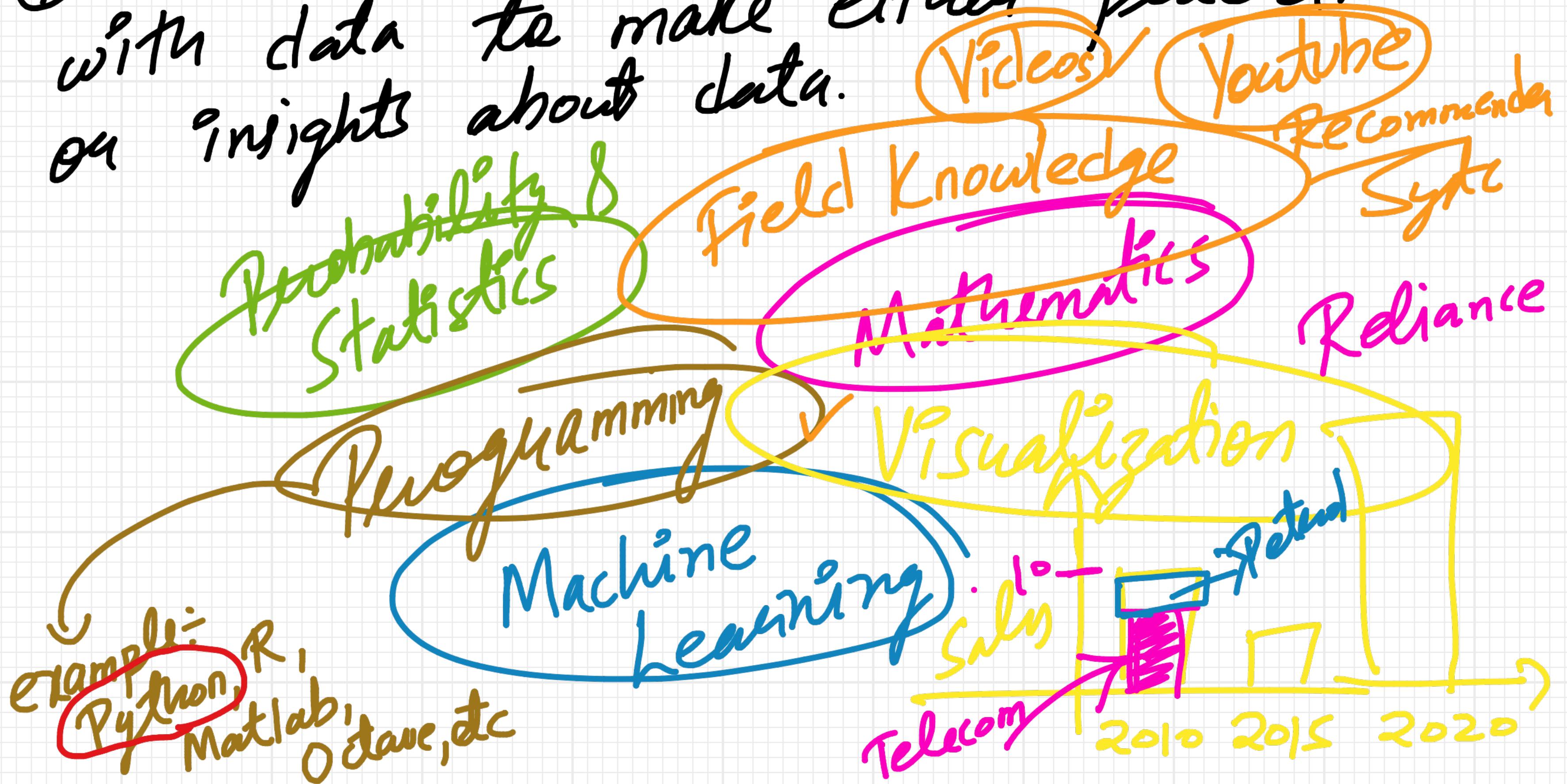
examples - Siri, Google Assistant, Alexa

Computer Vision (CV, open CV)  
examples - self driving cars (Tesla), Unlock your phone from face (Face Recognition)



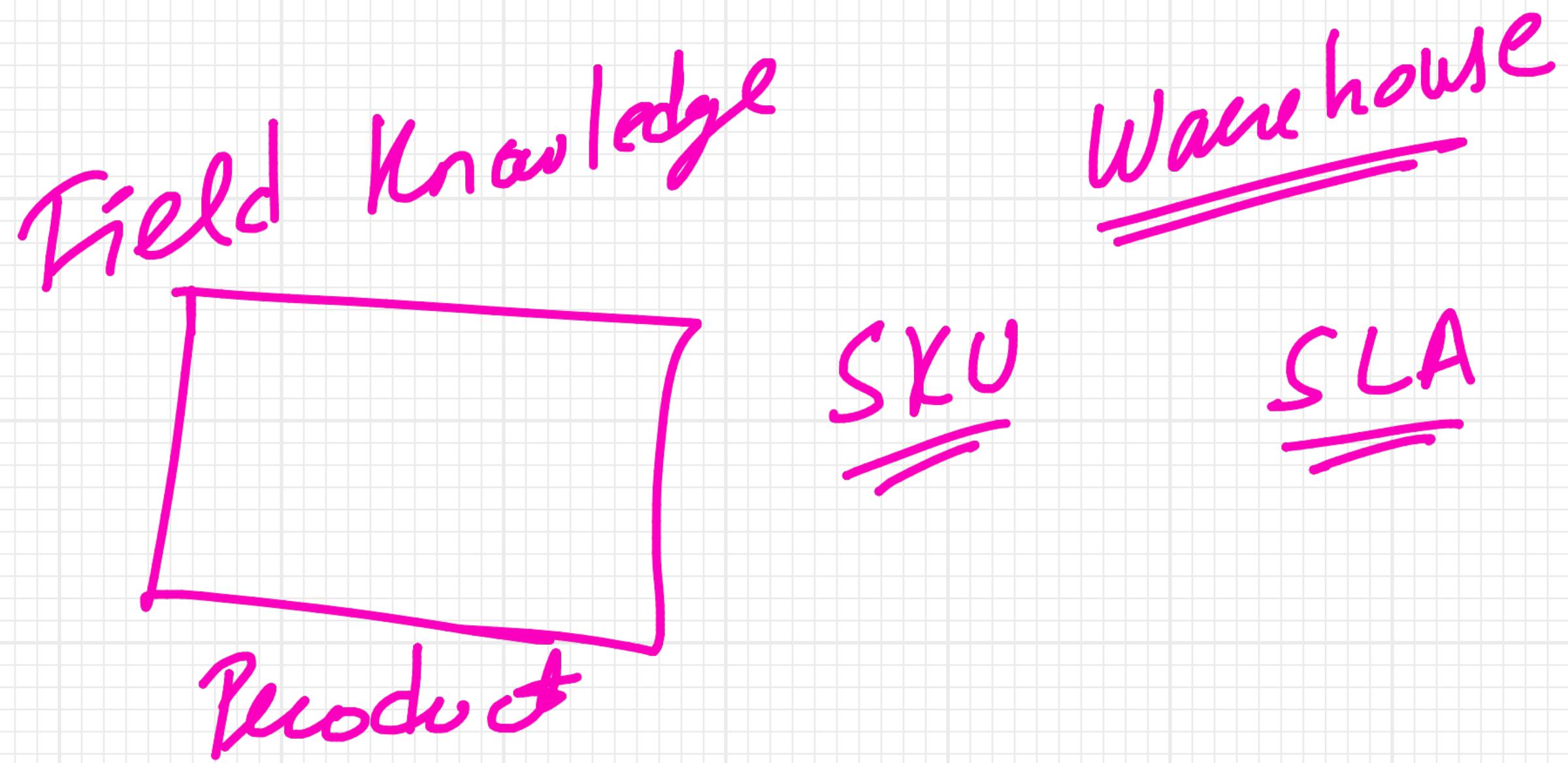
→ Sad Music Video  
✓ Suggestion

Data Science => All the things you do with data to make either predictions or insights about data.



# E-commerce Company

example : Amazon, Flipkart, Shopee, Shopify,  
etc.



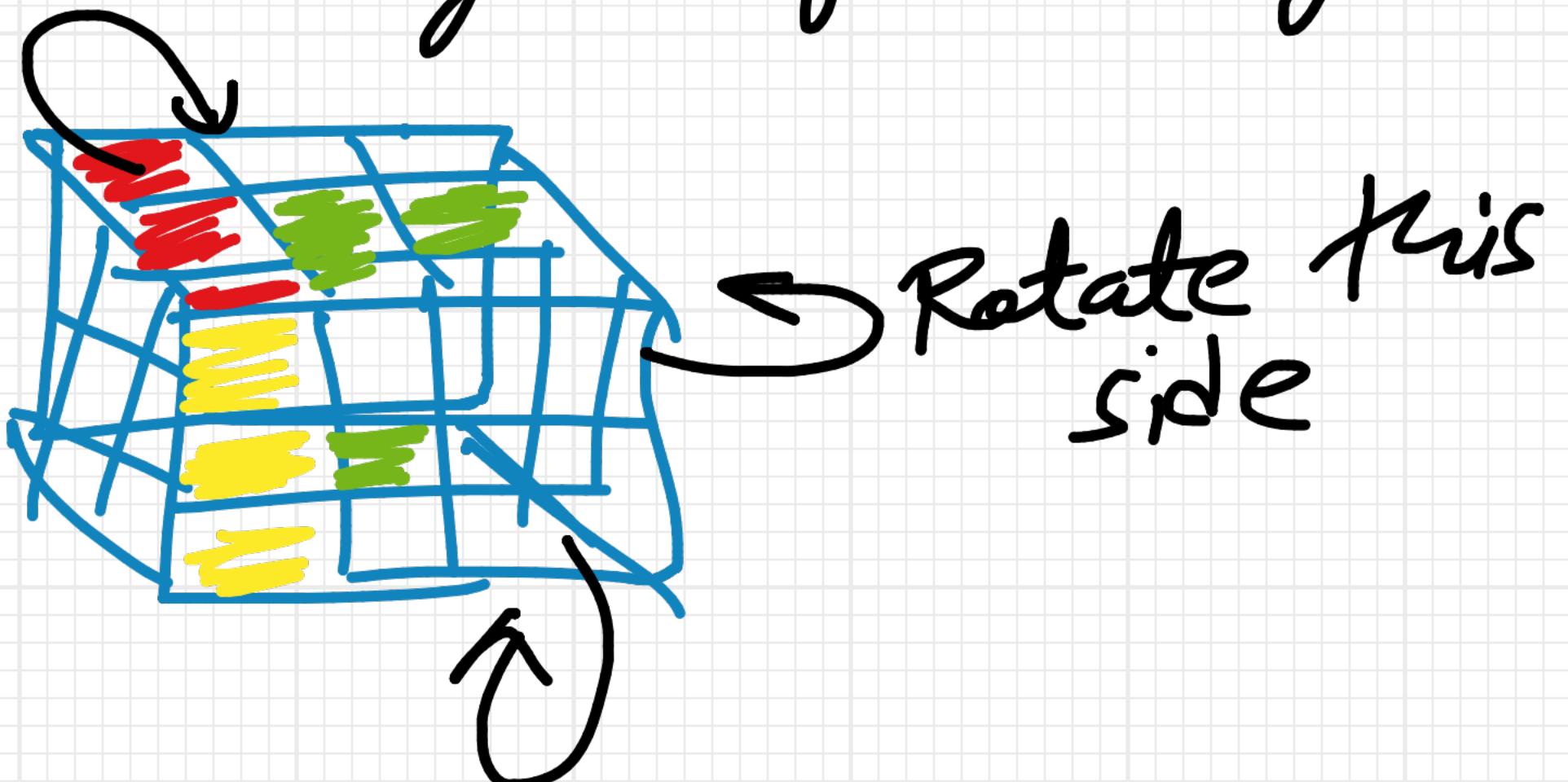
SKU

SLA

Warehouse

# # Programming ?

=> Set of Instructions to do something  
with target of solving a problem.



Arrange Numbers in Ascending  
order

$$\chi = [33, 10, -5, 6, 42, 3, 100]$$

-5, 3, 6, 10, 33, 42, 100

Set of Instructions  
# Algorithm to arrange Numbers  
in Ascending Order

- ① Find the minimum number. in Given list
  - ② Save it in a Final list
  - ③ Remove it from the Given list
- Repeat these 3 steps while the Given list is not empty.

# # Python Program to Average Numbers in Ascending Order

In [5]: final\_list = []  
given\_list = [33, 10, -5, 6, 42, 3, 100]

Python  
Codev  
Coding  
out  
Programming

```
while len(given_list) != 0:  
    mini = min(given_list)  
    final_list.append(mini)  
    given_list.remove(mini)  
  
print('given_list', given_list)  
print('final_list', final_list)
```

given\_list []  
final\_list [-5, 3, 6, 10, 33, 42, 100]

Programming is the process of  
solving a problem keeping comput-  
ational thinking in mind.

### Steps

- ① Solve it using Pen & Paper
- ② Writing **Code**