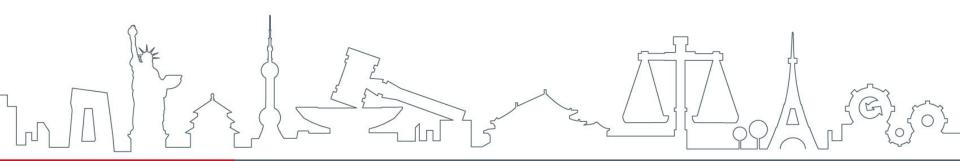


### **AI in Trademarks**

Gloria Wu, 2018

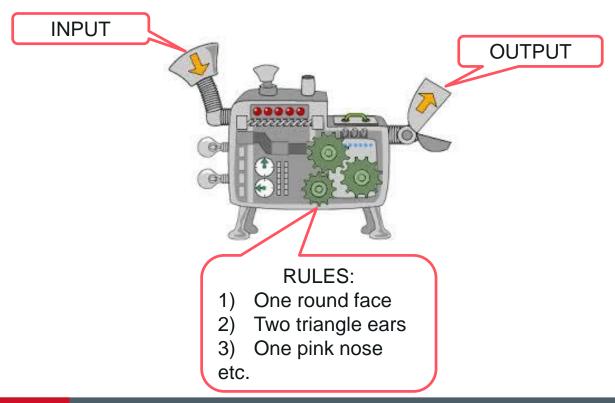


# Let's talk about "cat recognizer"!

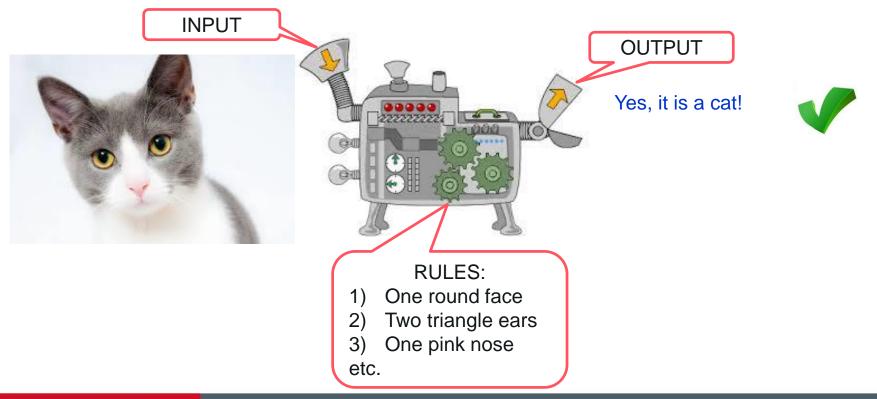




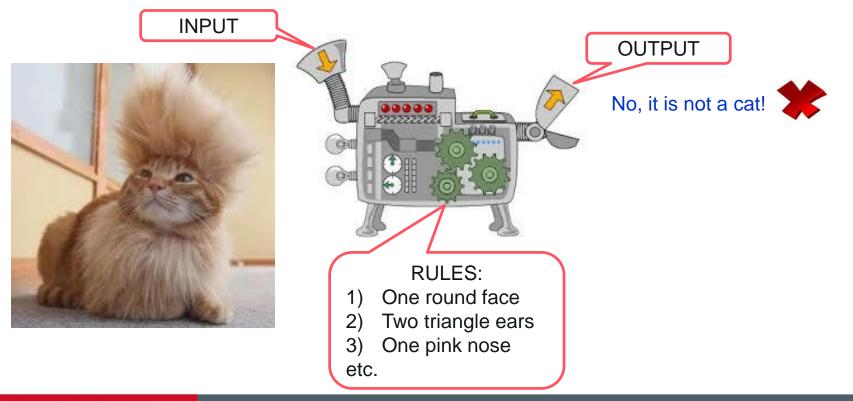












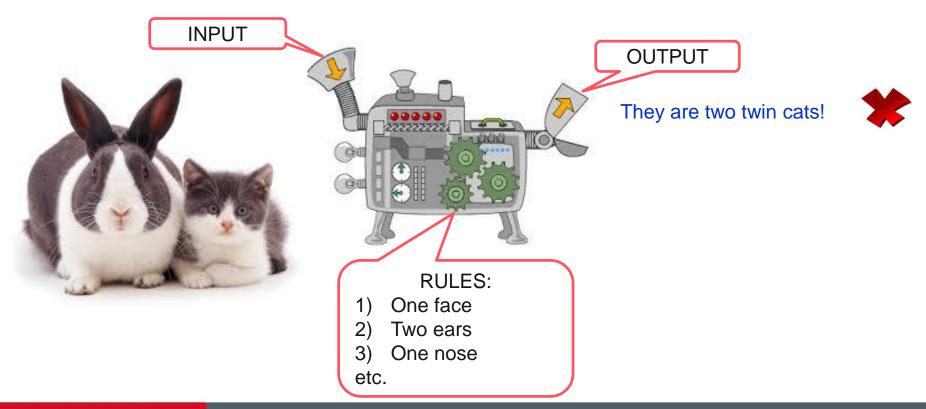
# eh... maybe the rules are too specific



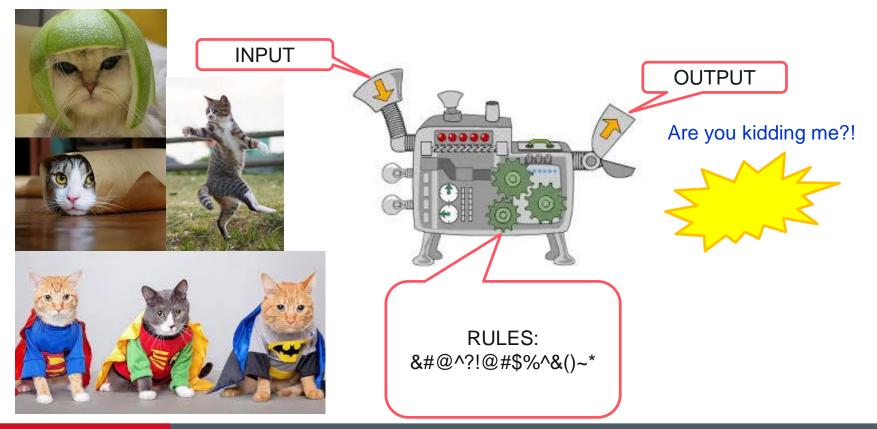
Let's change to broader rules:

- 1) One round face
- 2) Two triangle ears
- 3) One pink nose
- etc.









# So, what is the difference?



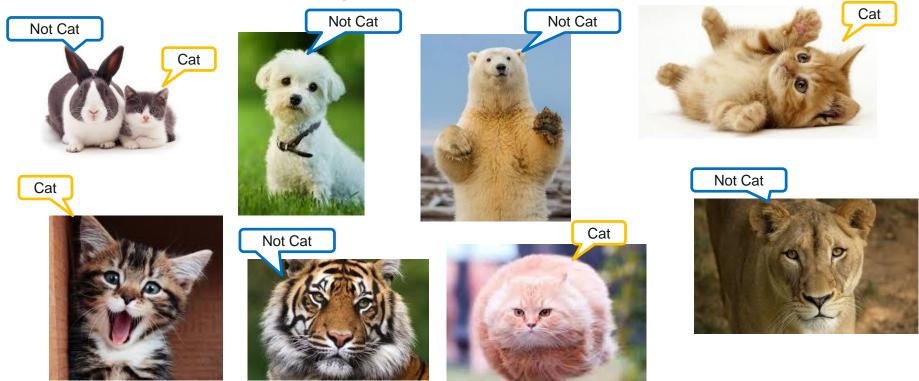
Human brain can learn from experience.



### Here comes Al...



• Step 1, we need big data (experience)







• Step 2, we need to train the model (feed the robot)

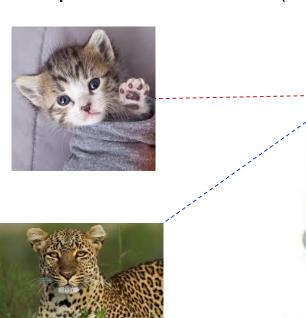




# **Al Deep Learning**



• Step 3, test the result (magic happens!)



Oh, this is a cat

that is not a cat

### Al in Trademark Search







# **Training the Machine to Find Similar Marks**



- 1) Feature Recognition
- 2) Official Decisions
- 3) Test & Feedback



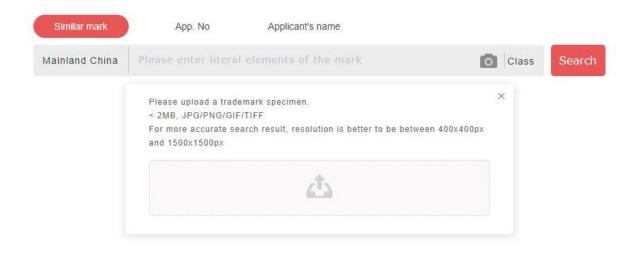
### Let's Search for Similar Marks to





# **Step 1: Upload the Picture**



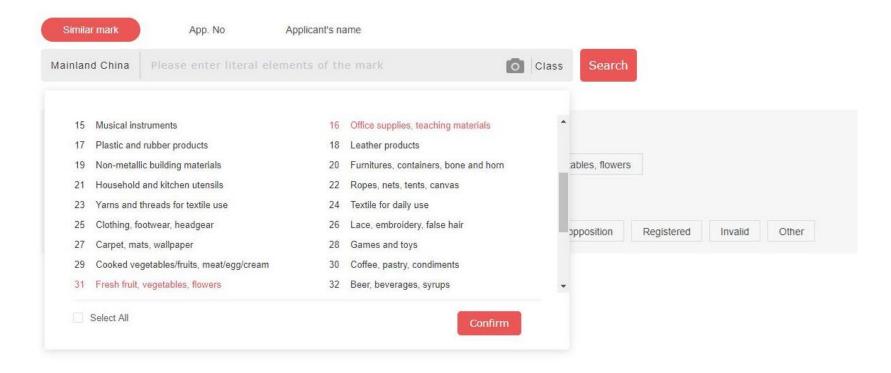


Disclaimer: while every care has been taken in compiling and updating the trademark data, we do not make any representation as to the completeness, accuracy or up-to-date nature of the data. We do not accept any liability for any loss or damage arising directly or indirectly from reliance on any of the contents on this platform.



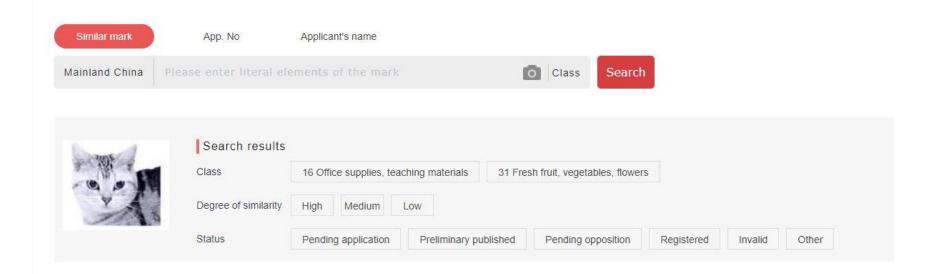
# Step 2: Select the Class(es)





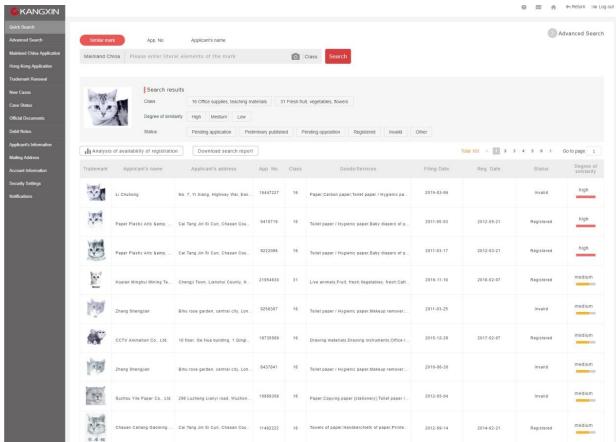
# Step 3: Click "Search"





### Here are the search results





# **How to Further Improve**



- Bigger data with good quality
- More test & feedback by trademark professionals

### What Else Can Al Do for Trademark



- Prediction of case results (registration, opposition, invalidation)
  - distinctiveness?
  - reputation?
  - bad faith?
  - likelihood of confusion?

### What Else Can Al Do for Trademark



- Logo Design
  - if my logo cannot be registered due to prior marks, how should I revise it to overcome?

- or maybe, design a fresh new logo







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