



**Module 2 – AI driving exponential changes**

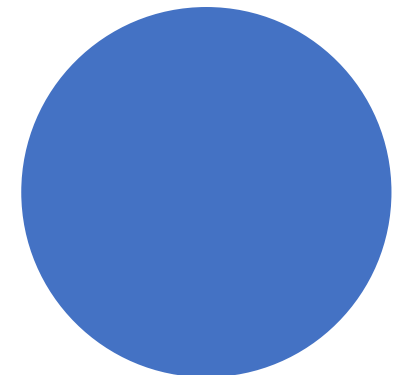
Class 2 – AI Basics



# ARTIFICIAL INTELLIGENCE

**KNOWLEDGE  
BASED**

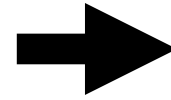
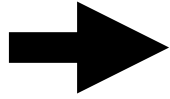
**MACHINE  
LEARNING**





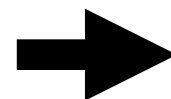
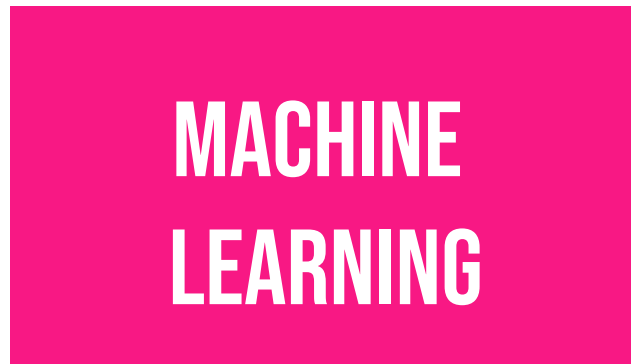
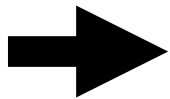
# MACHINE LEARNING

**DATA  
MODEL**

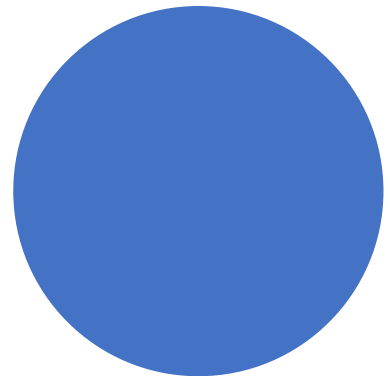


**OUTPUT**

**DATA  
OUTPUT**



**MODEL**



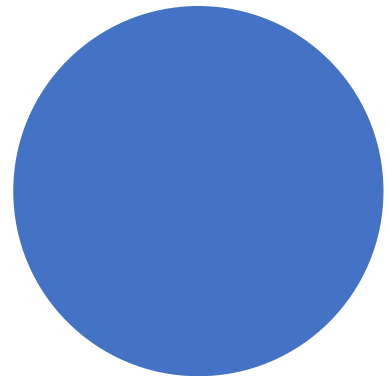


# TYPES OF MACHINE LEARNING

**SUPERVISED**

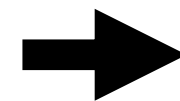
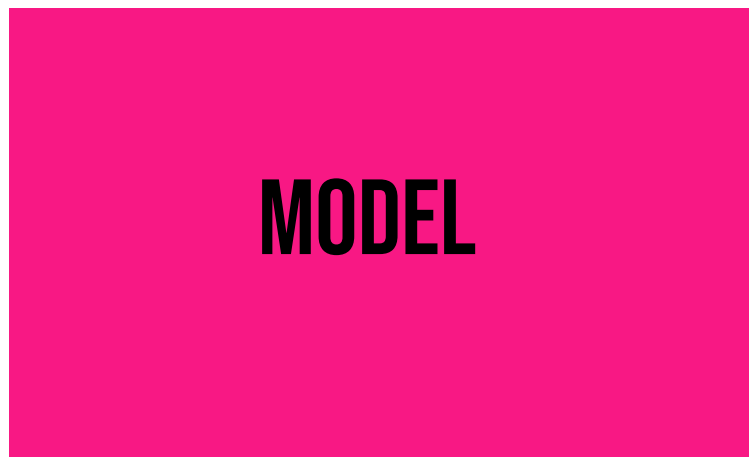
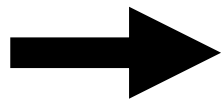
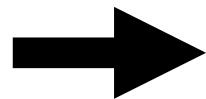
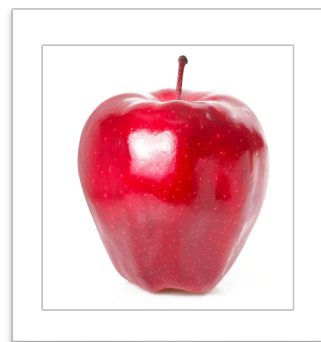
**UNSUPERVISED**

**REINFORCEMENT**

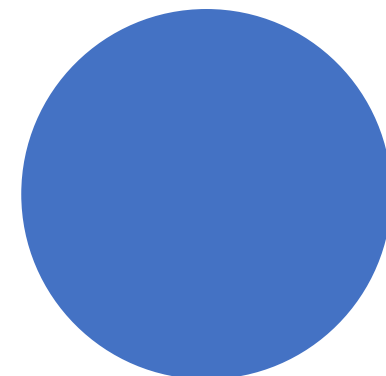




# LEARNING BY EXAMPLES

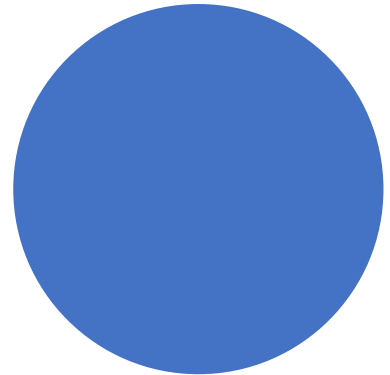
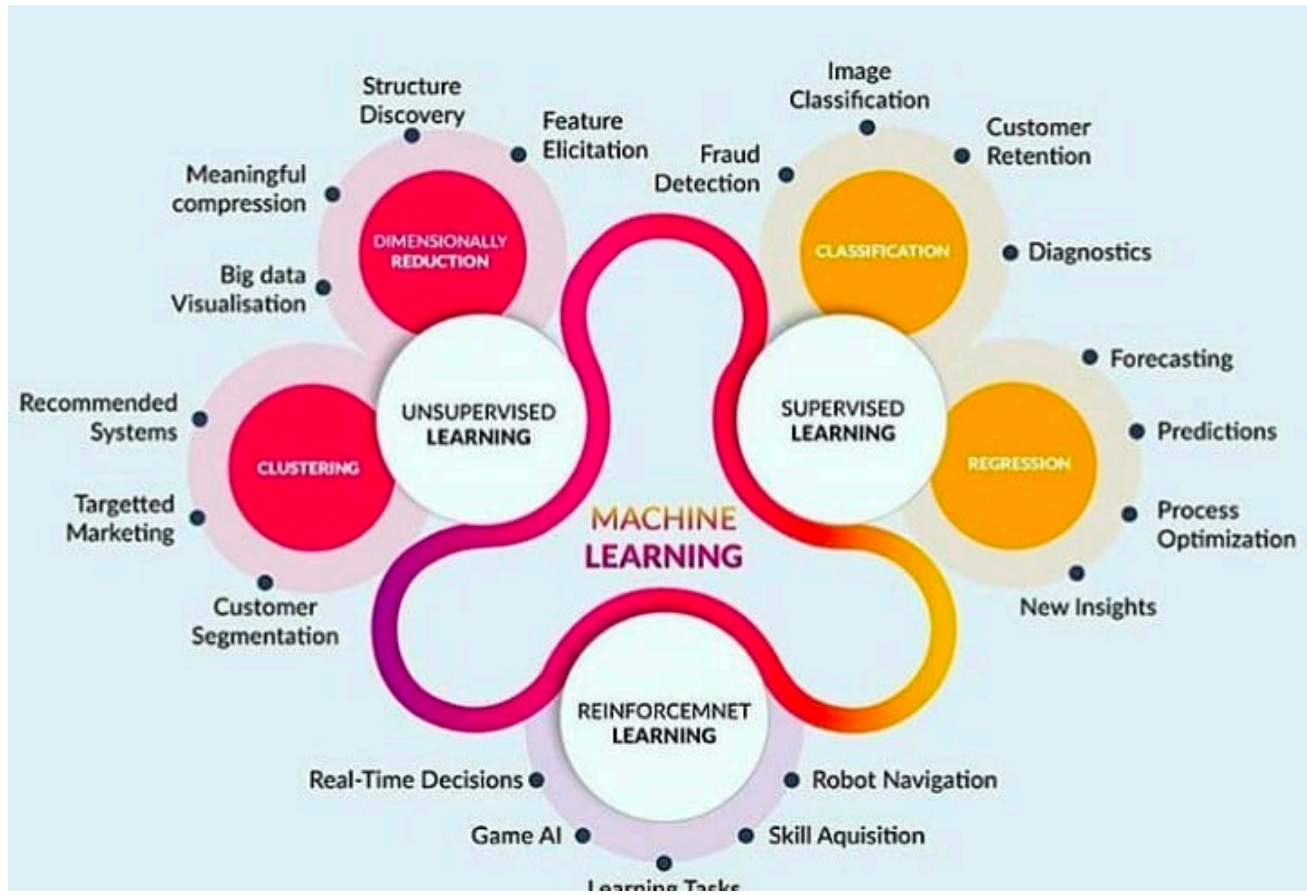


**APPLE**

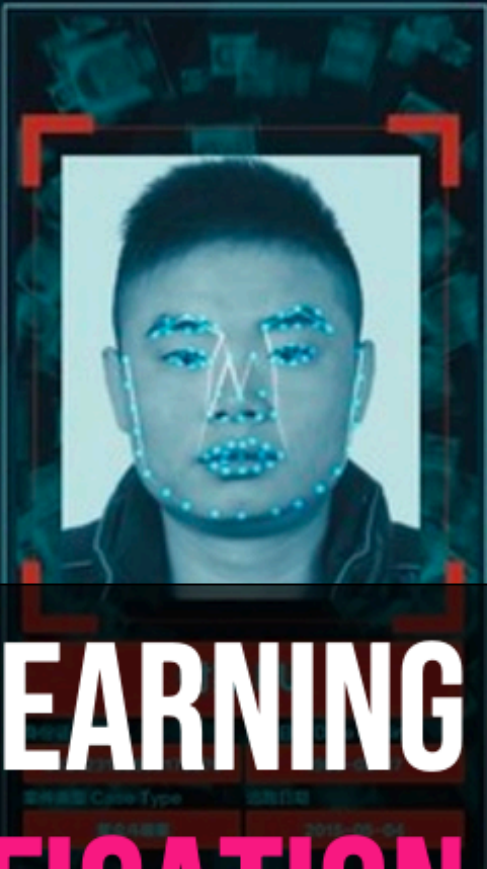
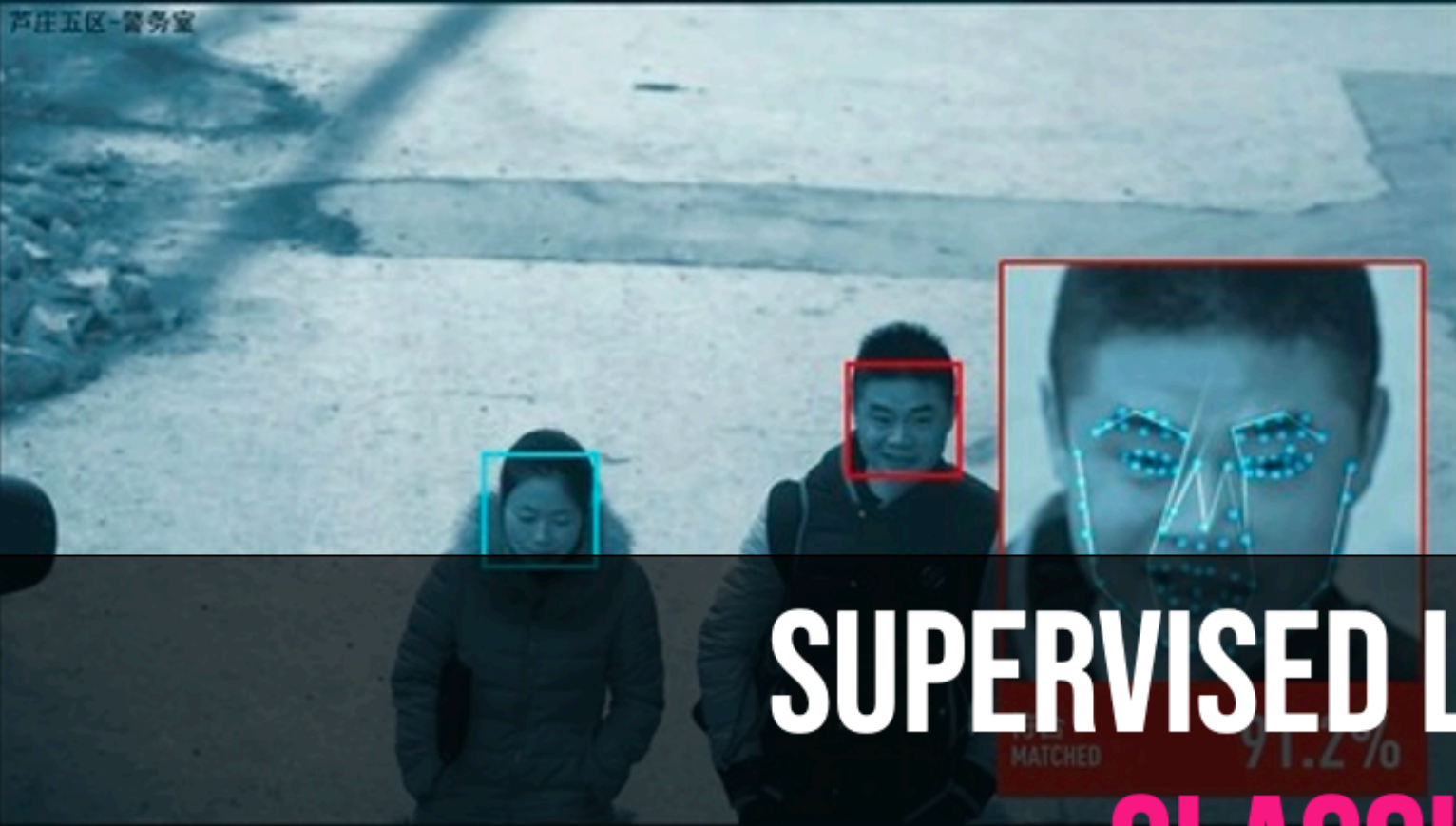




# DIFFERENT APPROACHES



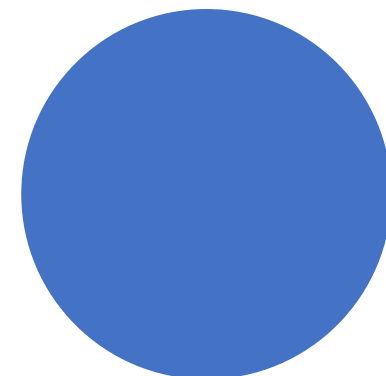
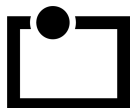
芦庄五区-警务室



**SUPERVISED LEARNING**

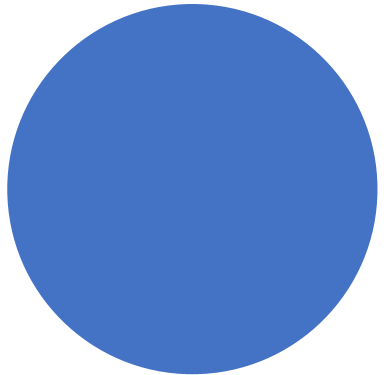
**CLASSIFICATION**

2016年1月于江苏无锡市被旷视天眼系统识别





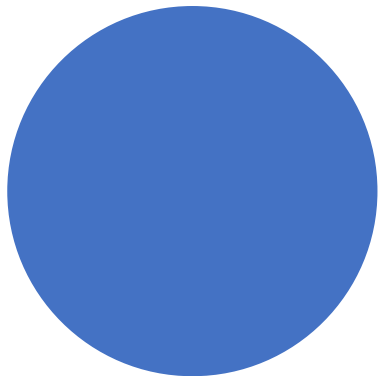
**SUPERVISED LEARNING**  
**REGRESSION**

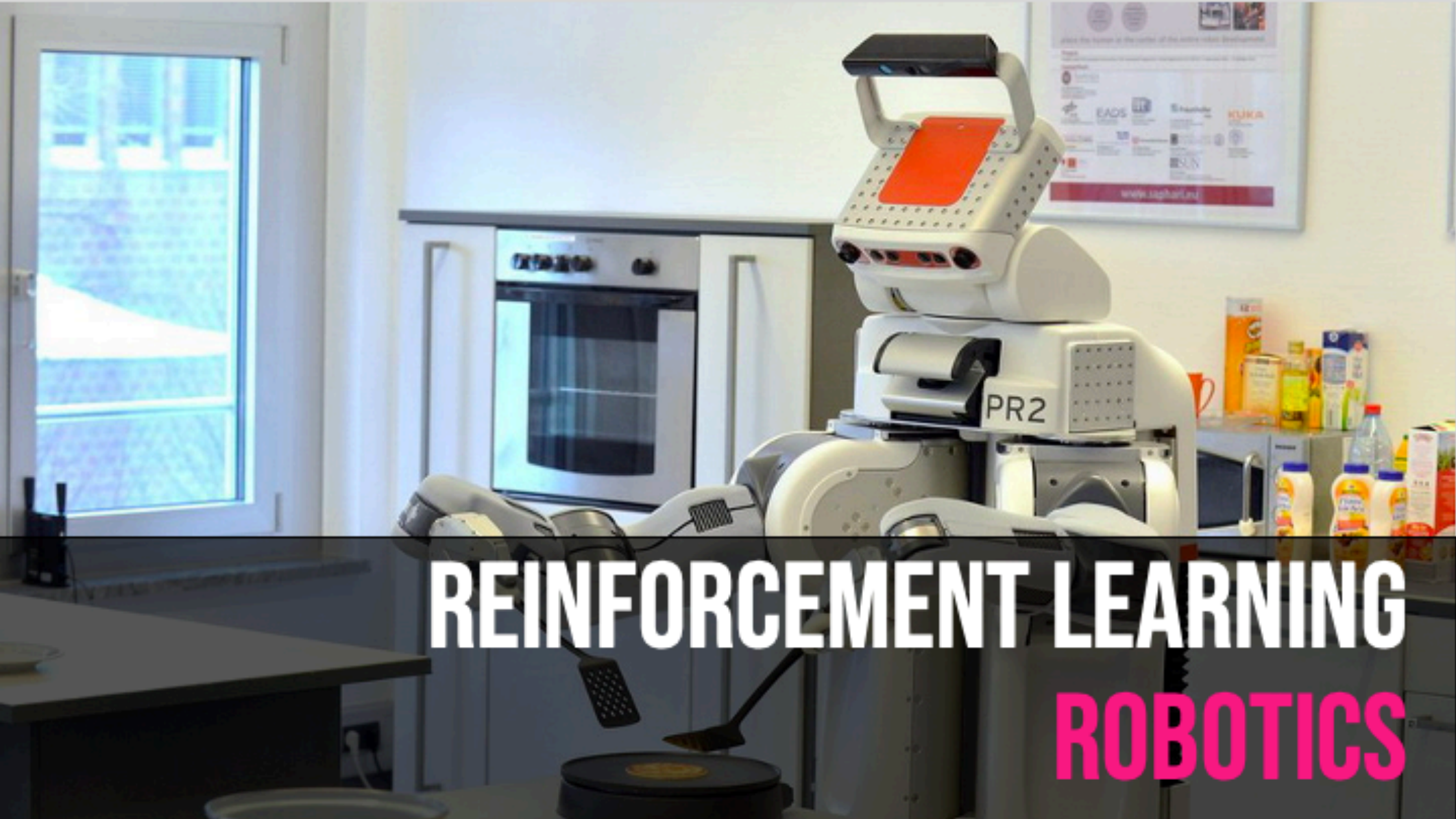




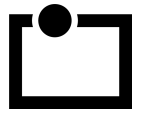
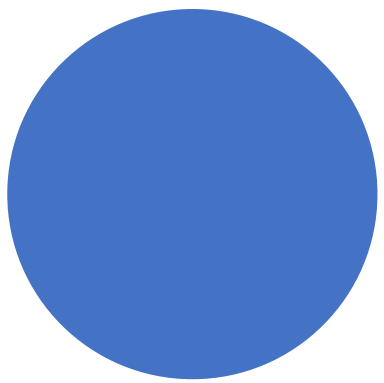


# UNSUPERVISED LEARNING SEGMENTATION





# REINFORCEMENT LEARNING ROBOTICS





# READING AND QUIZZ TIME!!

