

### **Supervised**

**Learn from examples**

**Data:  $X + Y$**   
**Tasks: Classification**  
**Regression, Detection**

### **Unsupervised**

**Find patterns**

**Data:  $X$  only**  
**Tasks: Clustering**  
**Dim Reduction**

### **Self-Supervised**

**Create own labels**

**Data:  $X$  creates  $Y$**   
**Tasks: Next Token**  
**Masked LM**