



### Sensing Data

- Location coord.
- Rotation coord.
- Velocity
- Angular velocity
- Button pressure



Sensor Data

## Feature Extraction

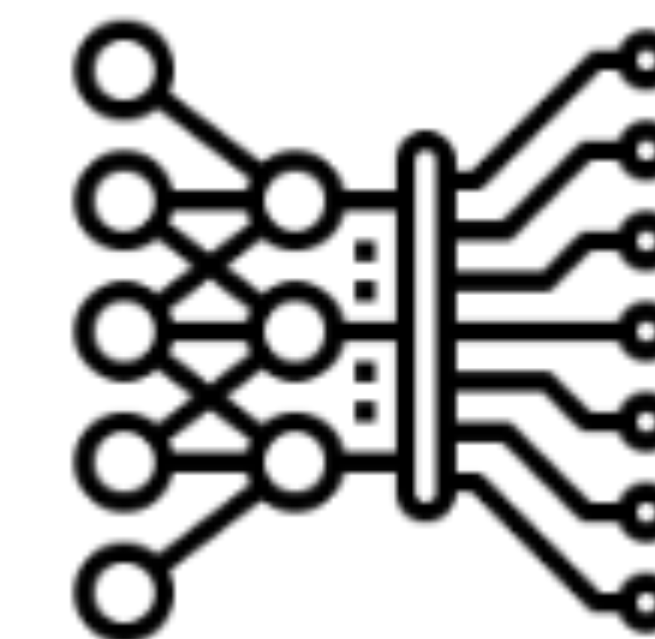
- Movement
- Spatial relationship
- Orientation & Motion
- Interaction time

Feature Vector

*Register*



Genuine User Data



Training



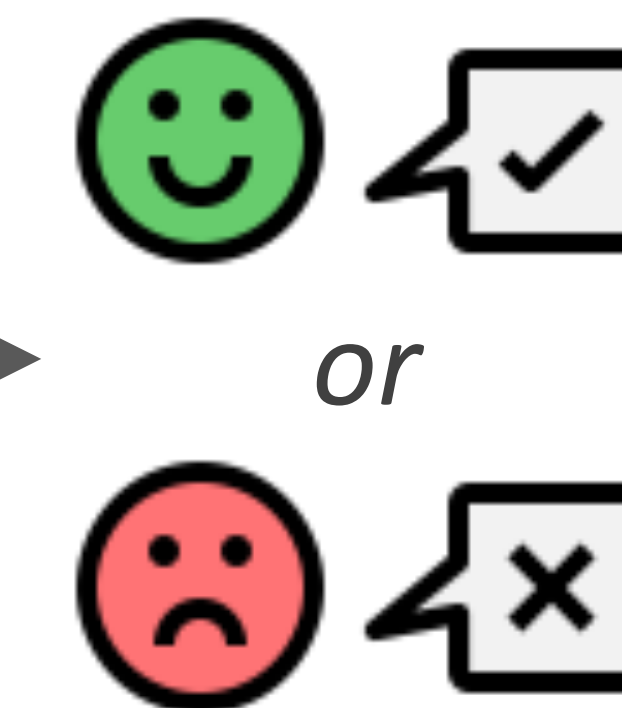
(Pre-collected)  
Reference  
User Data

*Deploy*

*Authentication*



Trained Classifier



or

## Real-time Authentication