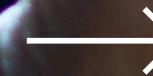


# MLUP: Fundamentals of Machine Learning

Presented by Gabriel Rodrigues Palma



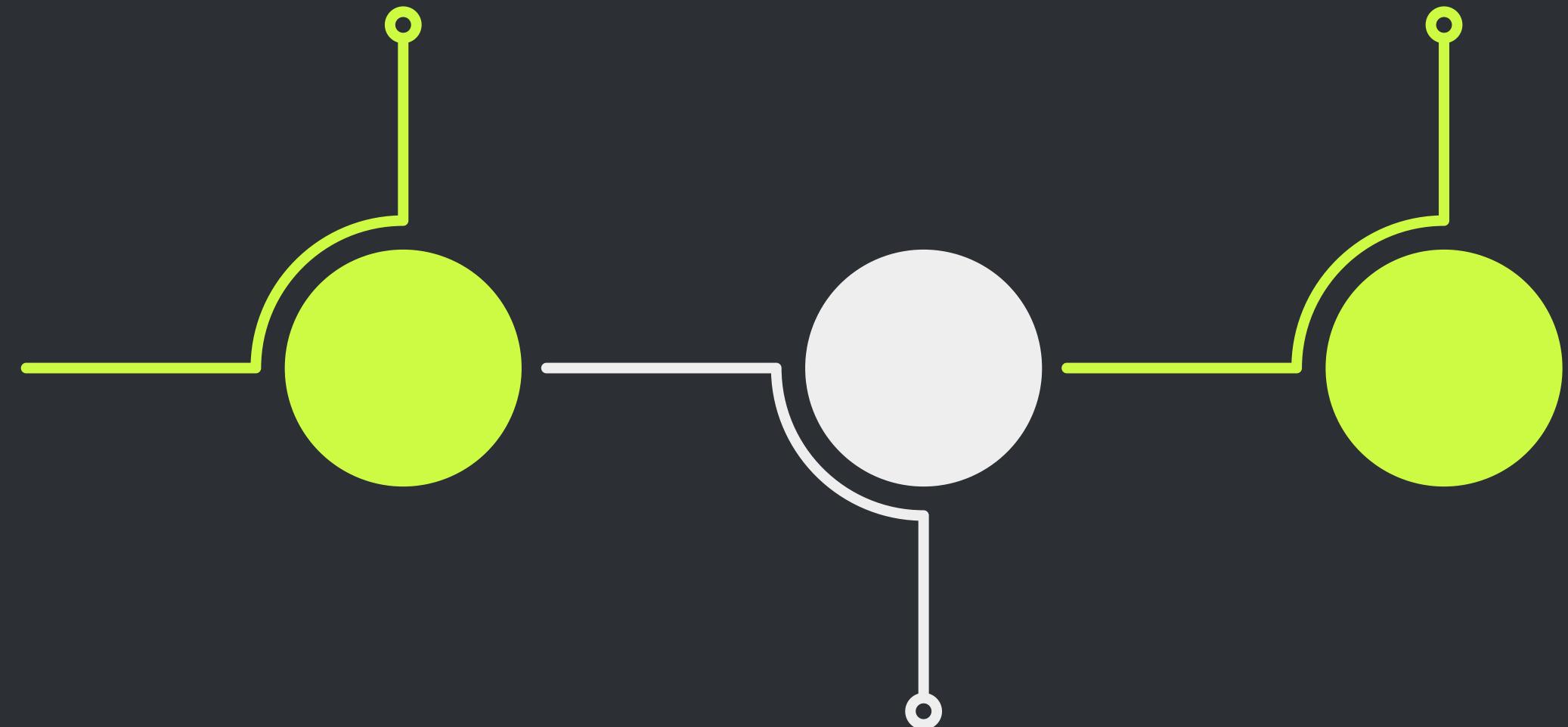
Machine Learning using  
Python (MLUP01)



# Day 3 (13:30 - 17:30)

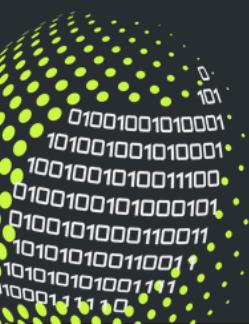
Your First Steps into ML  
(13:35 - 14:30)

Types of Learning  
(15:30 - 16:30)



ML definitions  
(14:30 - 15:30)

Machine Learning using  
Python (MLUP01)





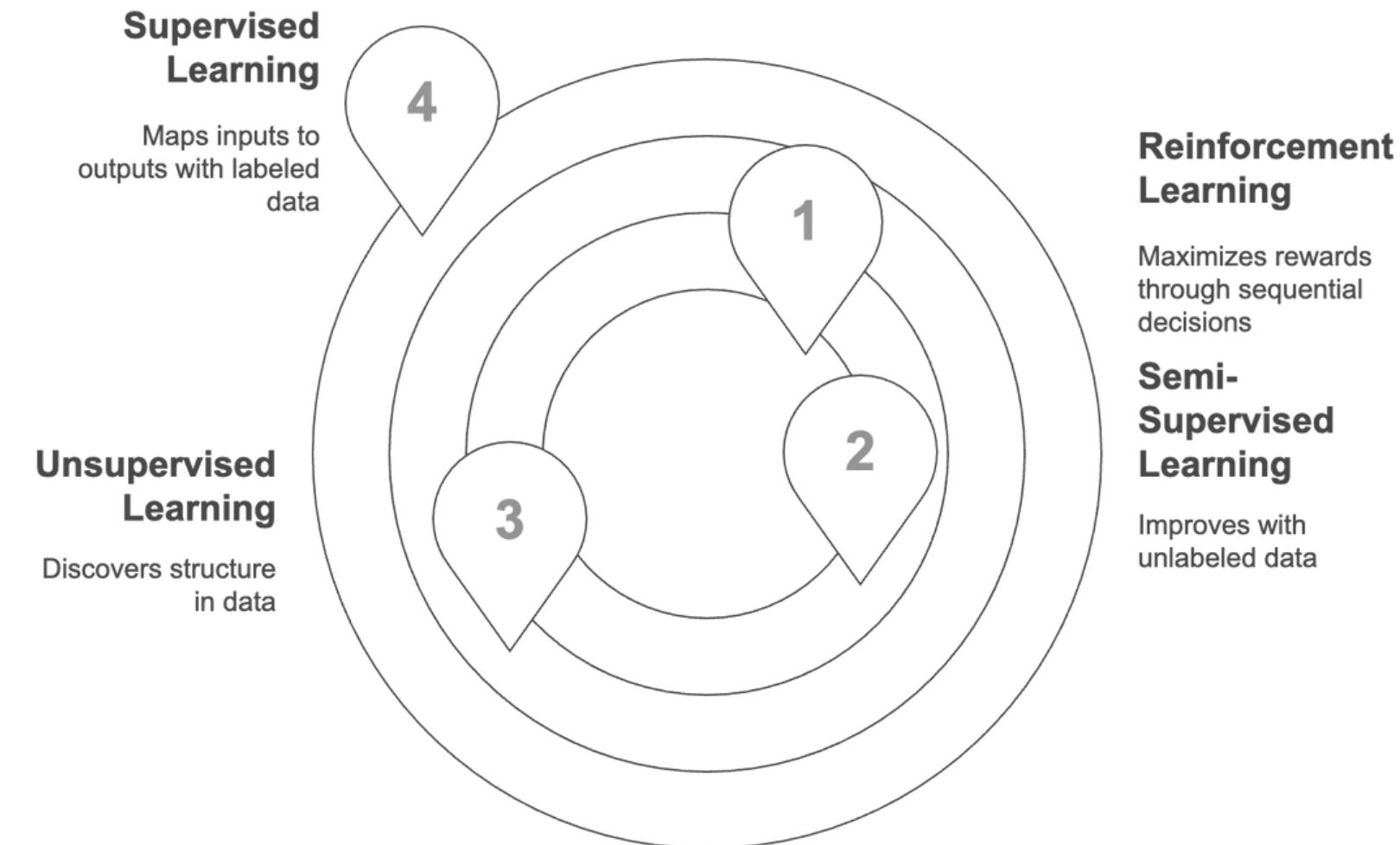
## Machine Learning using Python (MLUP01)



# Types of Learning

# Types of Learning

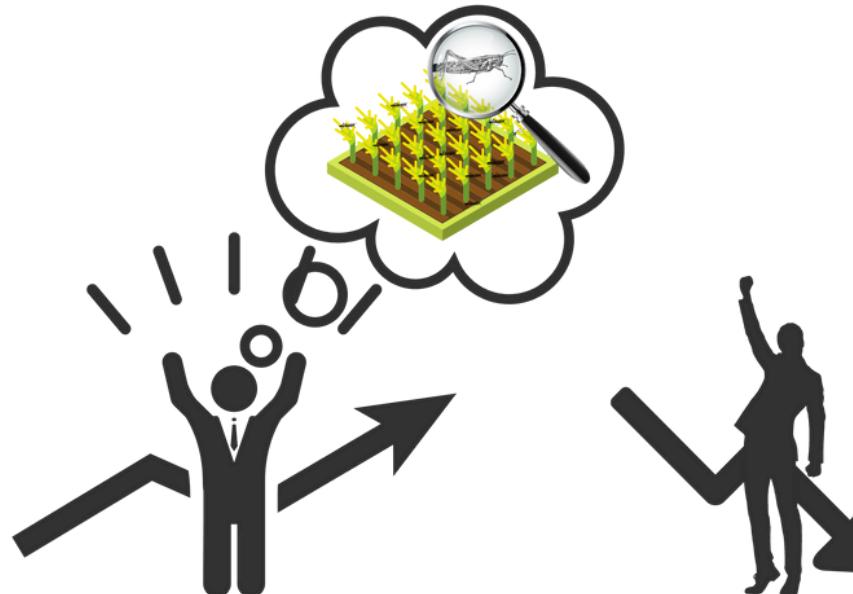
## Learning Paradigms Hierarchy



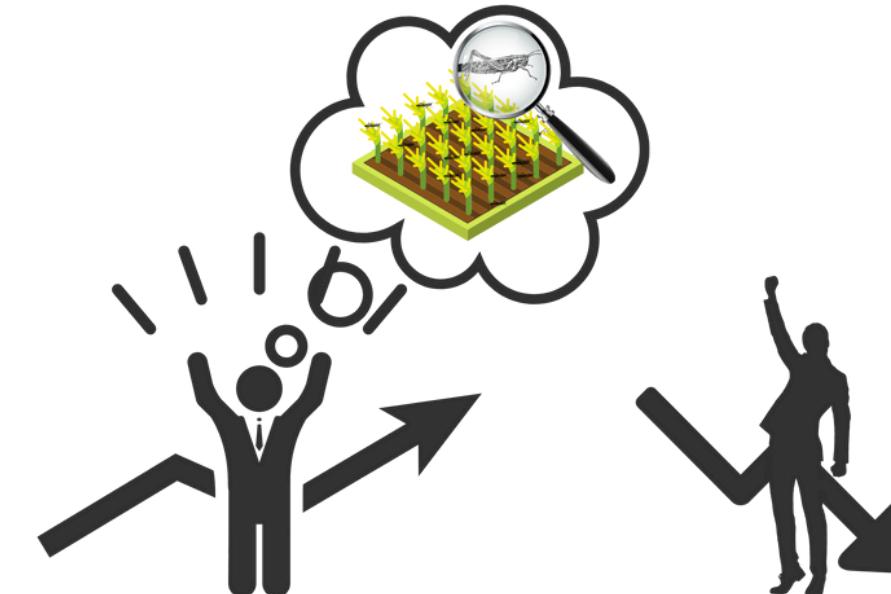
Machine Learning using  
Python (MLUP01)



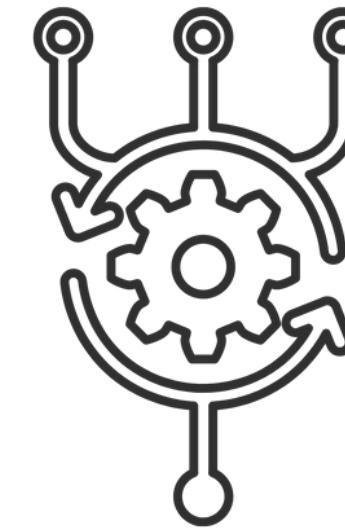
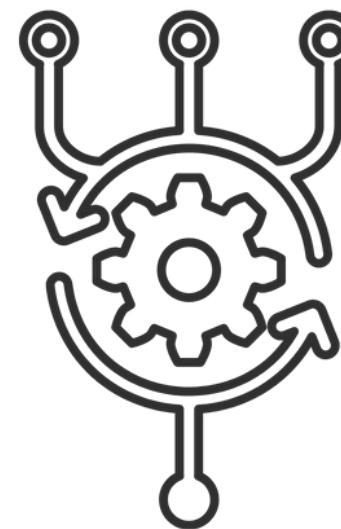
# Types of Learning



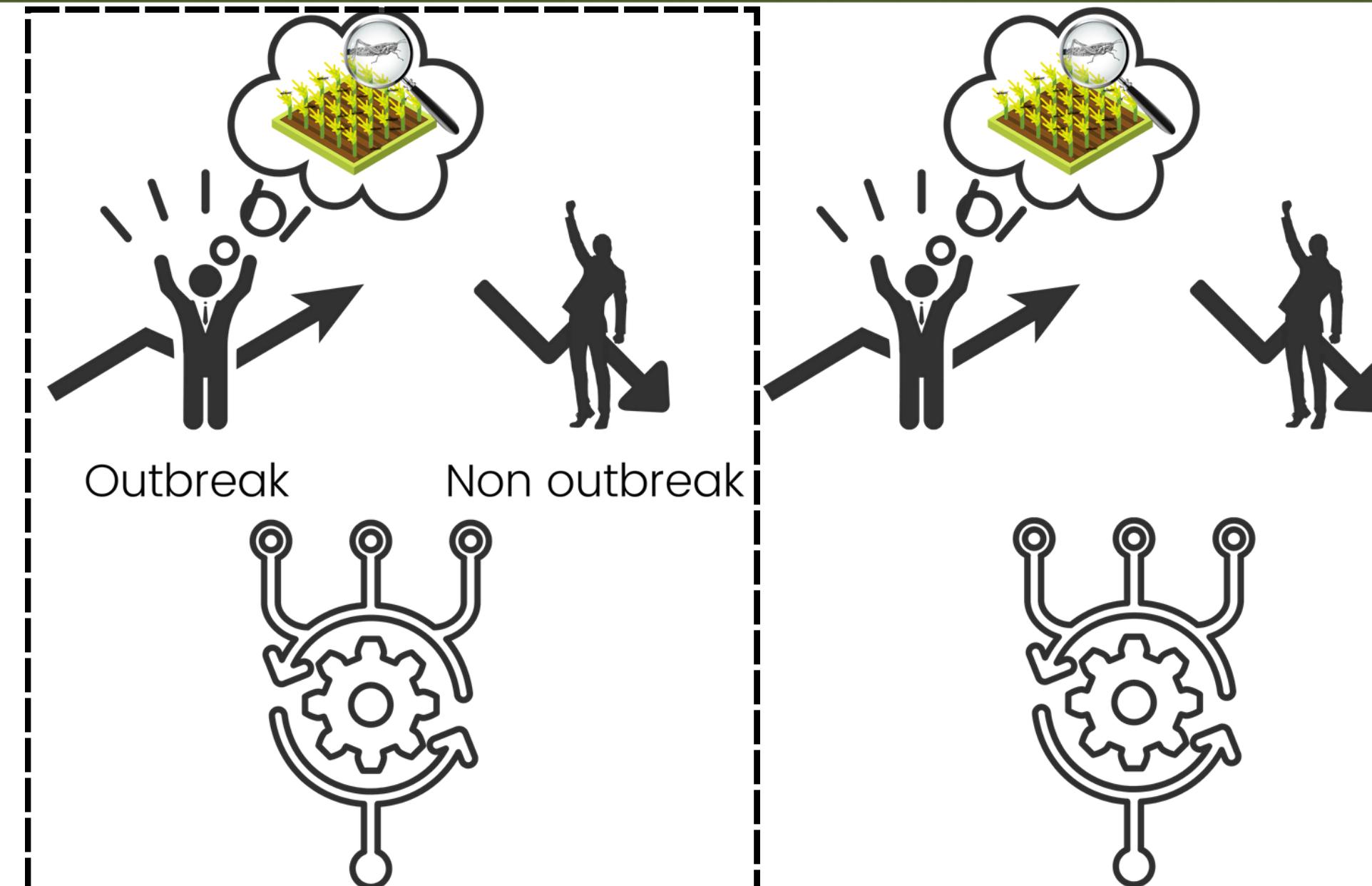
Outbreak



Non outbreak



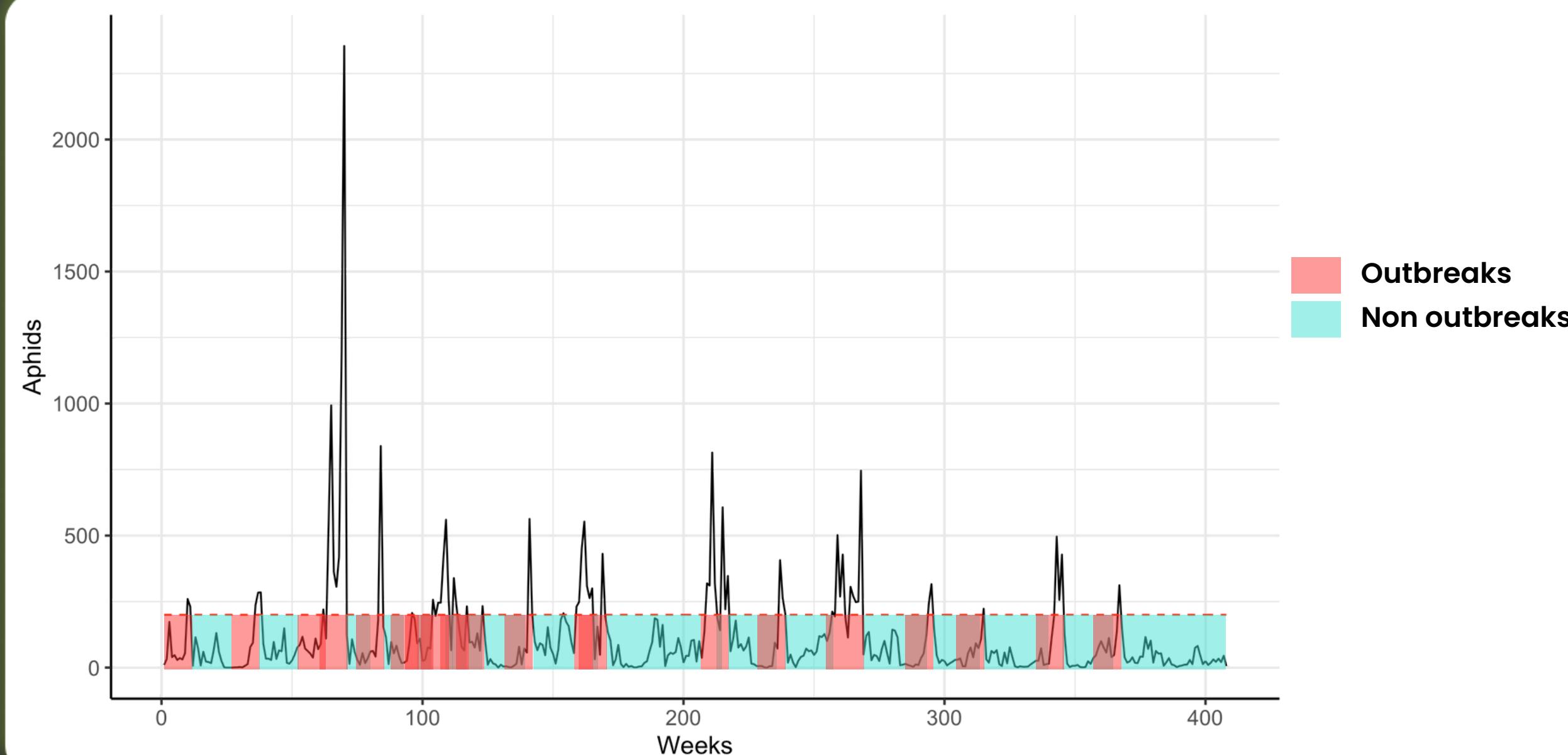
# Types of Learning



Machine Learning using  
Python (MLUP01)



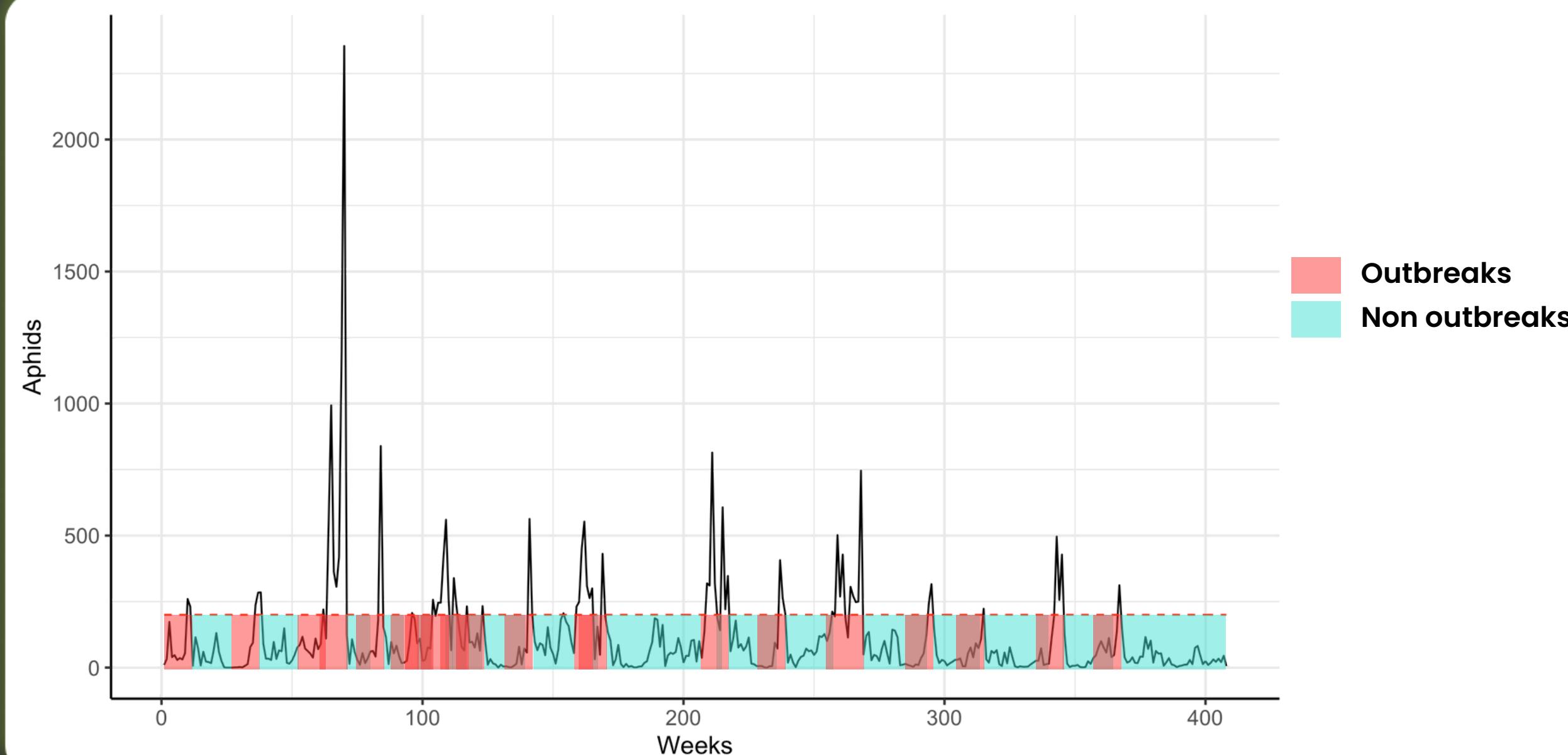
# Types of Learning



Machine Learning using  
Python (MLUP01)



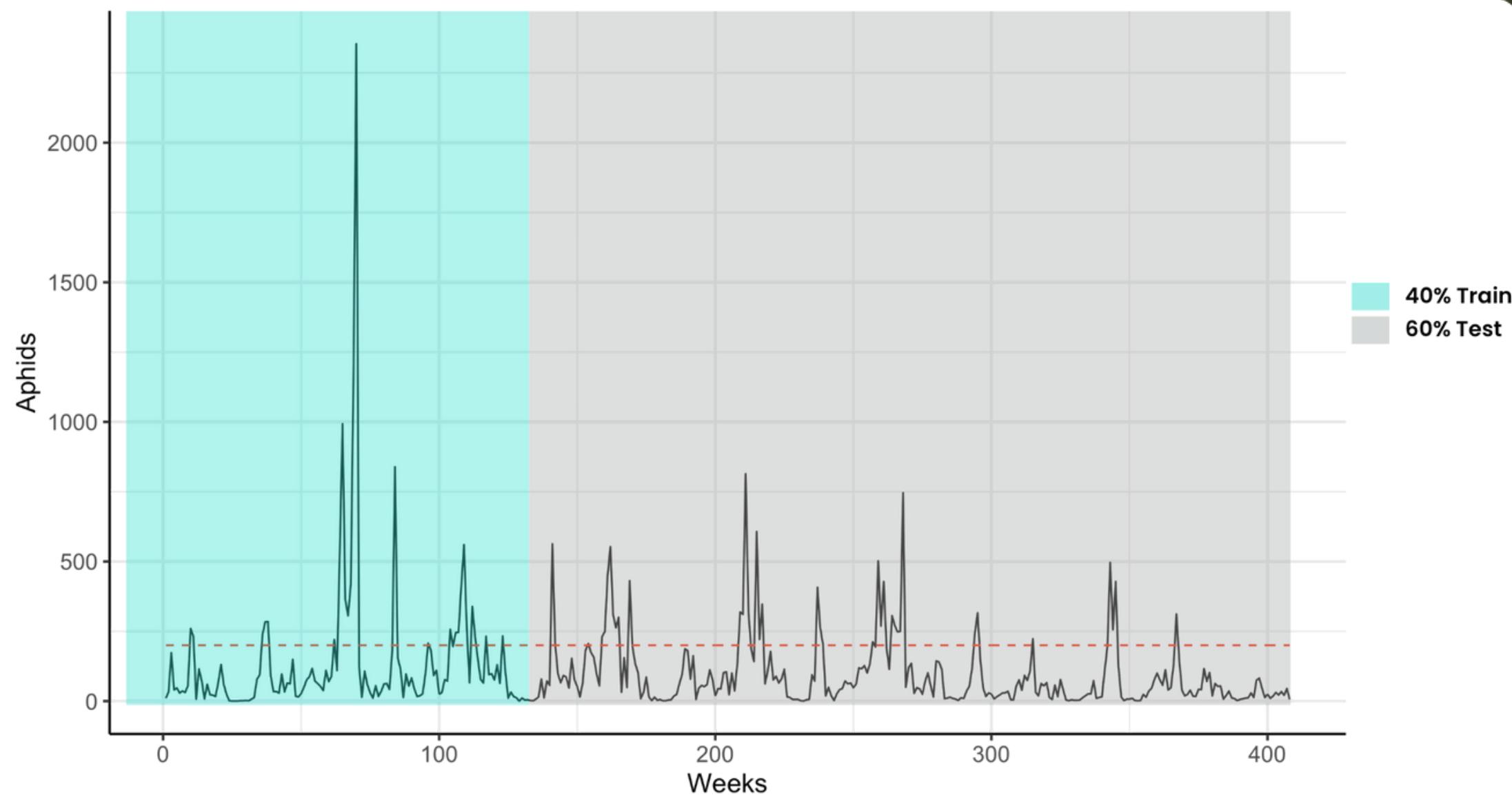
# Types of Learning



Machine Learning using  
Python (MLUP01)



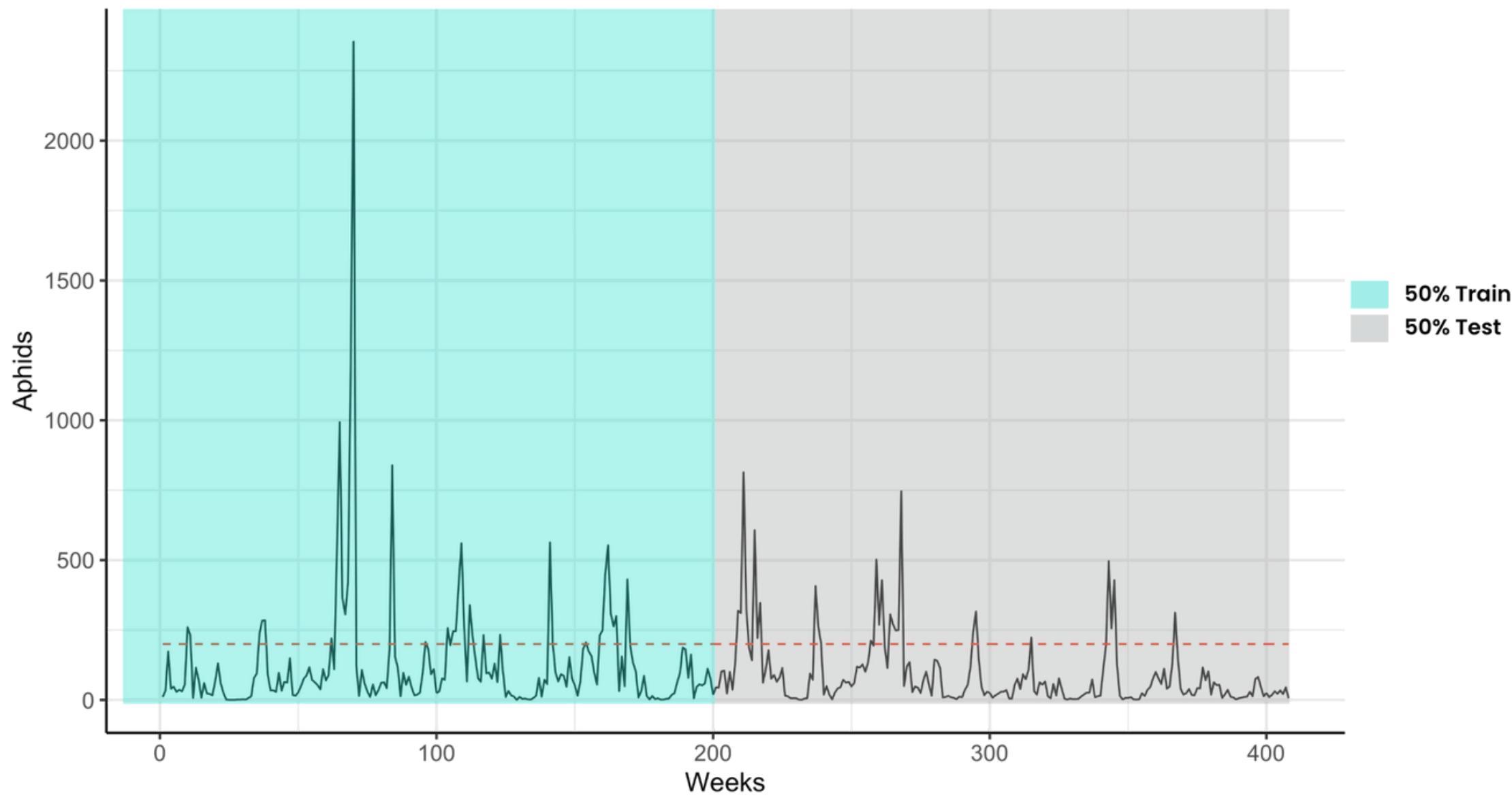
# Types of Learning



Machine Learning using  
Python (MLUP01)



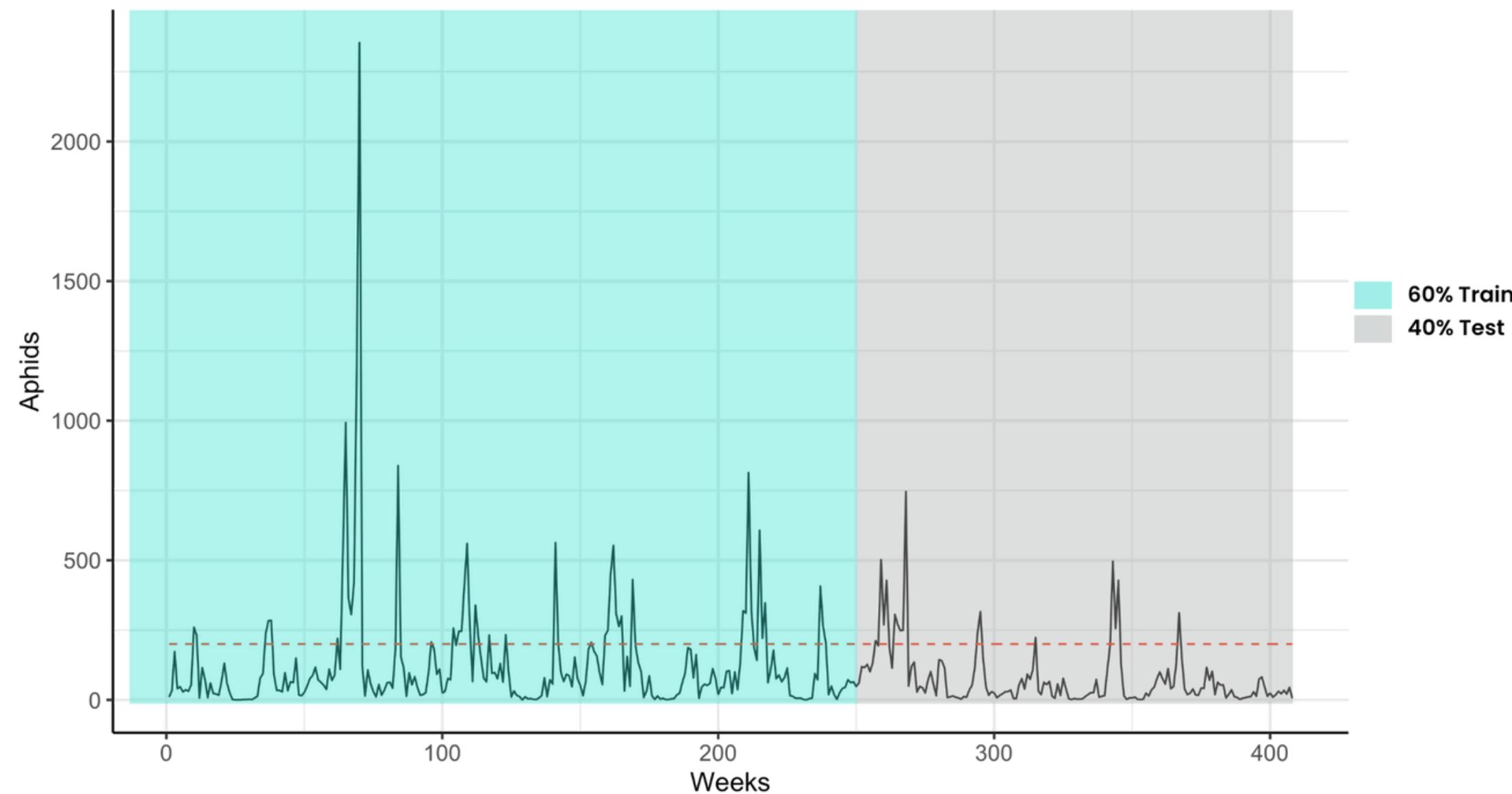
# Types of Learning



Machine Learning using  
Python (MLUP01)



# ML definitions

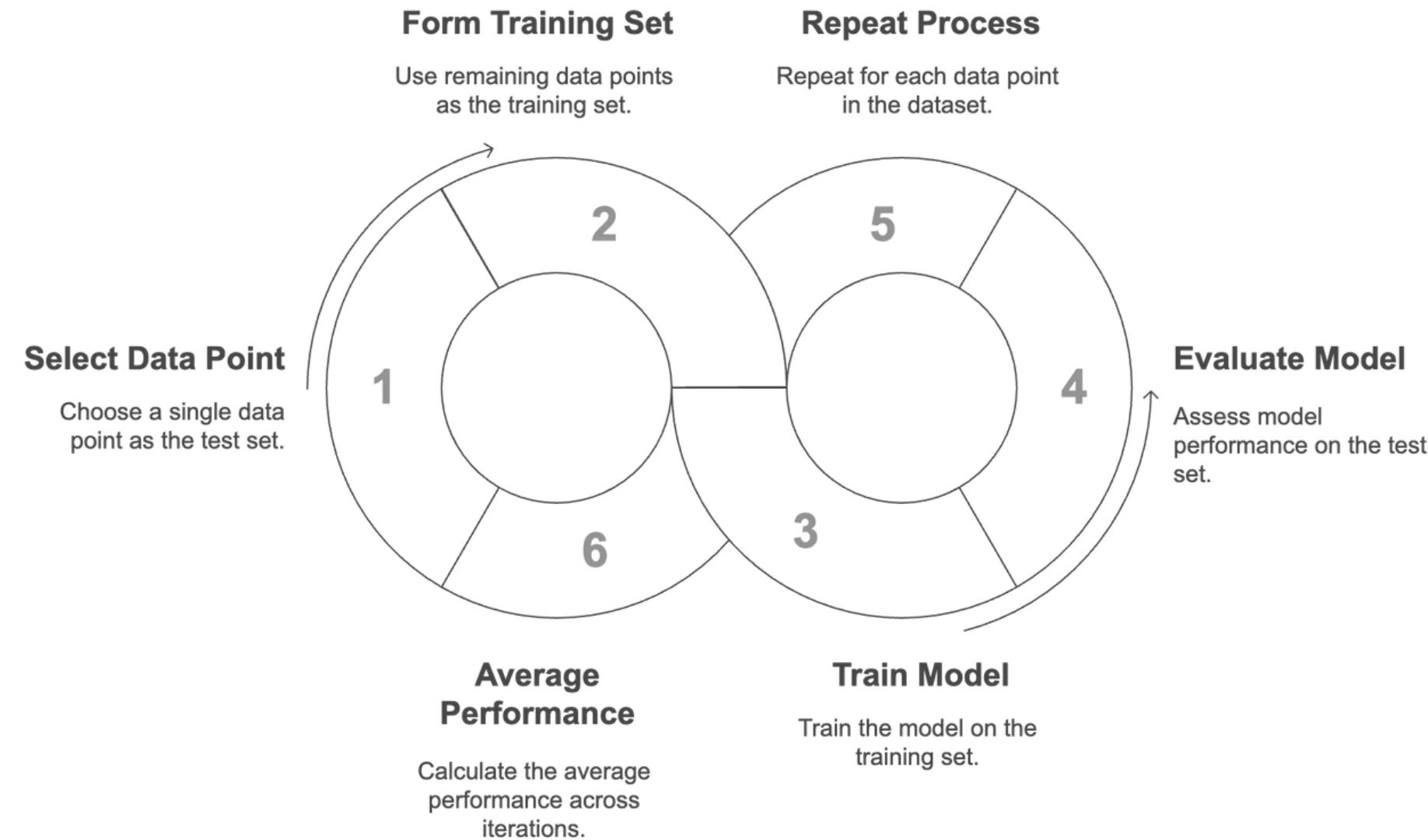


Machine Learning using  
Python (MLUP01)



# ML definitions

## Leave-One-Out Cross-Validation Cycle



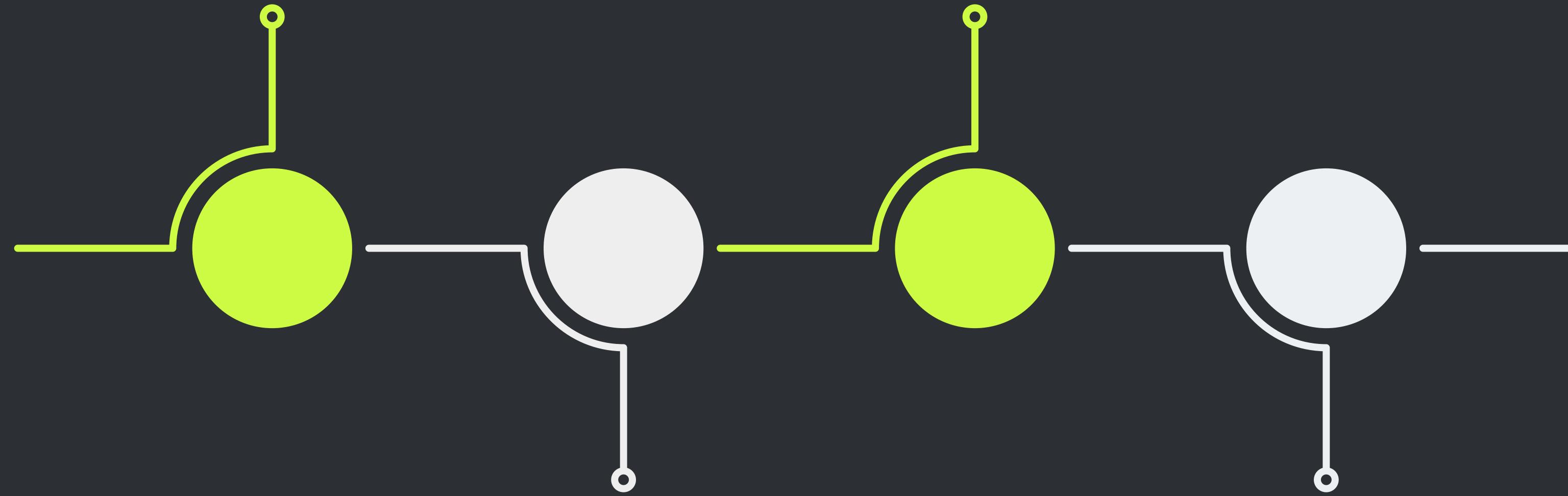
Machine Learning using  
Python (MLUP01)



# Day 3 (13:30 - 17:30)

Your First Steps into ML  
(13:35 - 14:30)

Types of Learning  
(15:30 - 16:30)



Machine Learning using  
Python (MLUP01)



# Python libraries

```
// Types can be a map of types/handlers
if (typeof types === "object") {
    // types-Object, selector, data
    if (typeof selector !== "string") {
        data = data || selector;
        selector = undefined;
    }
    for (type in types) {
        on(elem, type, selector, data, types[type], one);
    }
    return elem;
}
if (data == null && fn == null) {
```

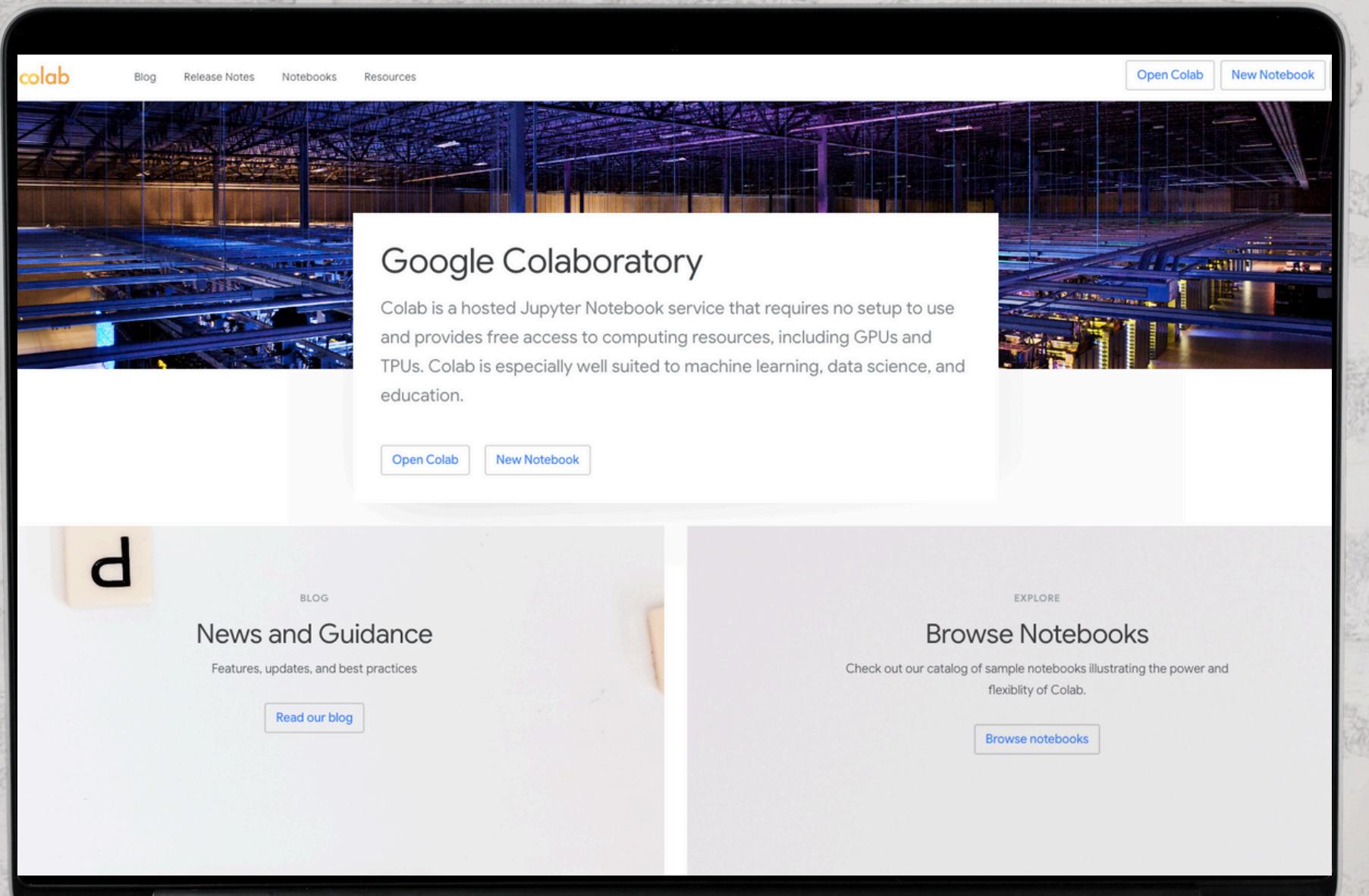
# Python libraries



Machine Learning using  
Python (MLUP01)

R stats

# Python libraries



Machine Learning using  
Python (MLUP01)

R stats

