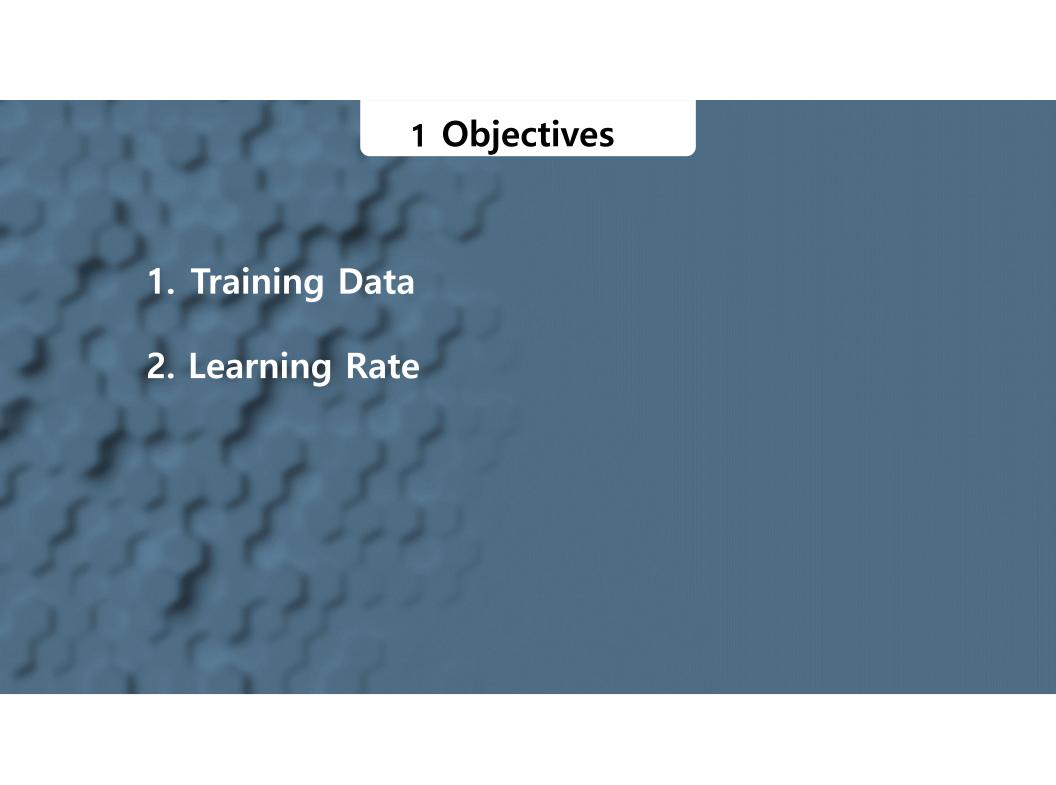


#### **Contents**

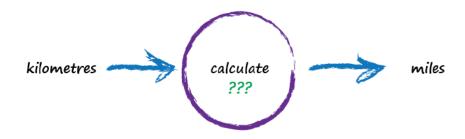
Week 11: Session 1

- 1. Training Data
- 2. Learning Rate





#### A Simple Predicting Machine

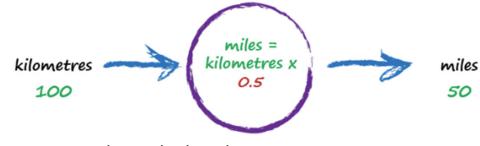




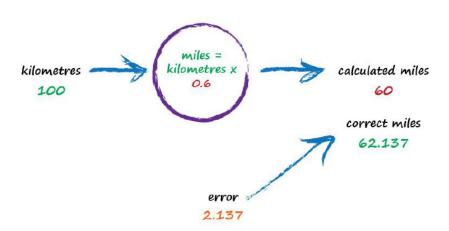
"miles = kilometres x c", where c is a constant. We don't know what this constant c is yet.

Pick a value at random and give it a go! Let's say c = 0.5

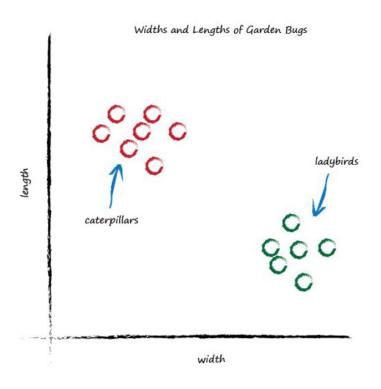
Truth Example	Kilometres	Miles
1	0	0
2	100	62.137



# A Simple Predicting Machine

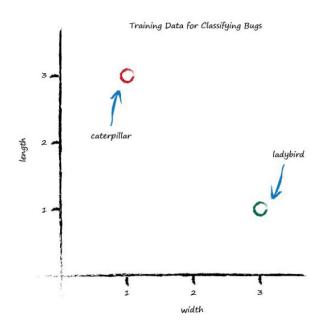


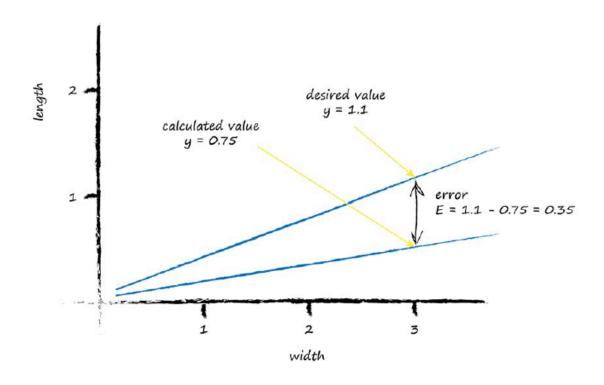
### Classifying is Not Very Different from Predicting

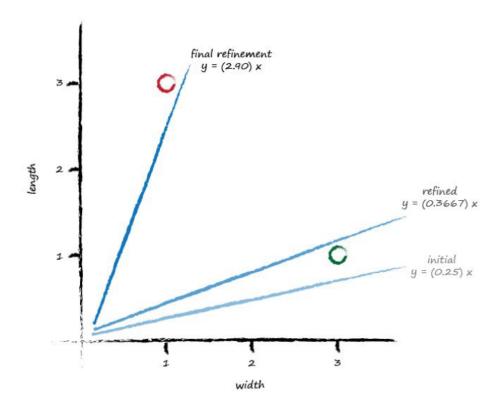


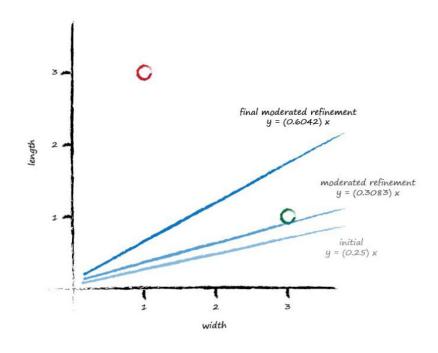
Example	Width	Length	Bug
1	3.0	1.0	ladybird
2	1.0	3.0	caterpillar

training data.









# Learning Rate