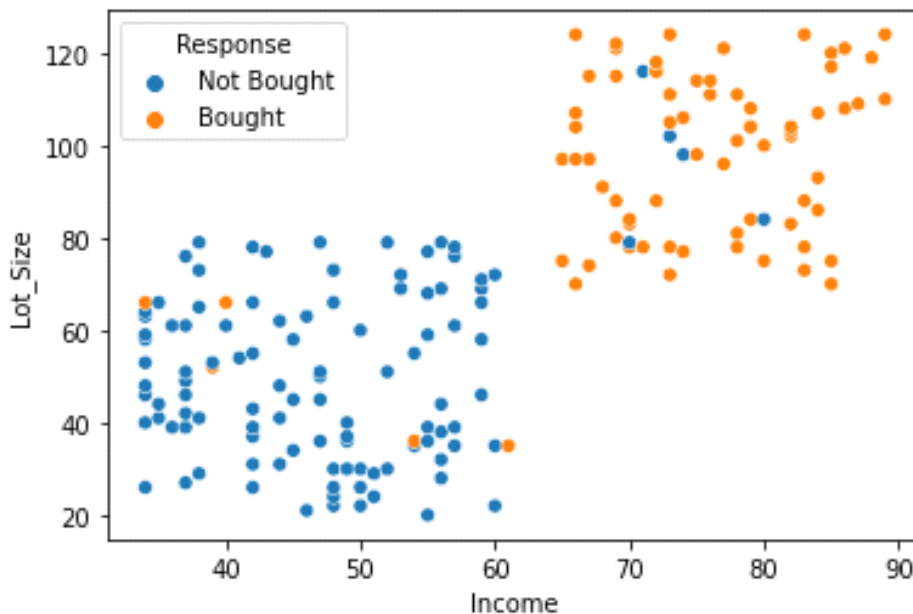


Classification Example: Riding Mowers

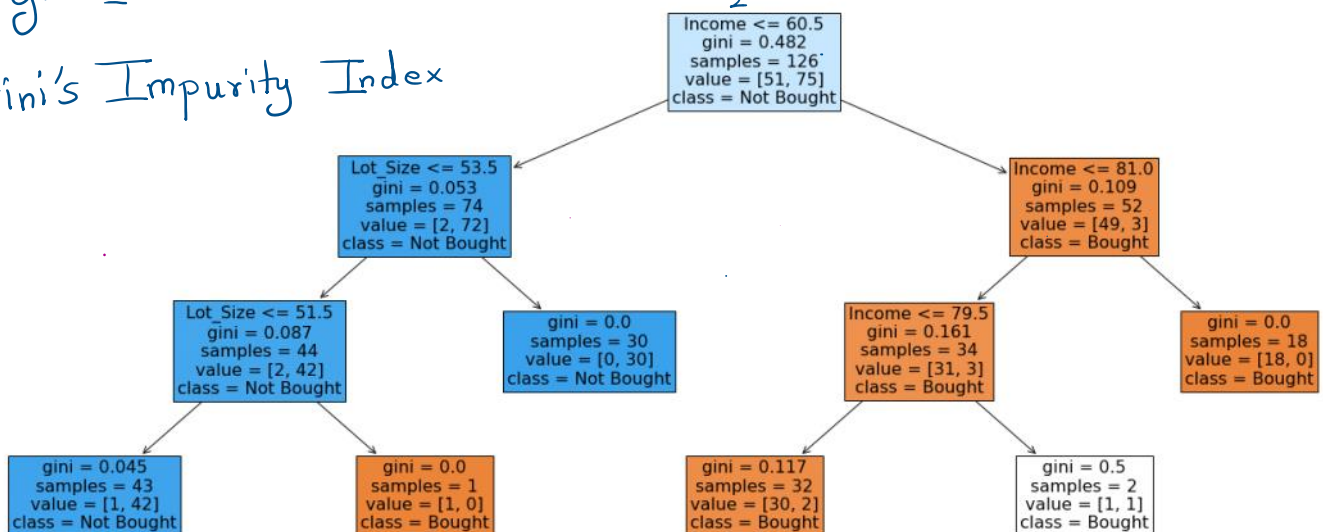
- A riding-mower manufacturer **MOW-EASE** took part in a Industrial Exhibition in which it got an opportunity to show a demo of its product to 180 different audience.
- The land owned by each of the audience and their approximate income have been recorded in the file RidingMowers.csv



$$gini = f_1(1-f_1) + f_2(1-f_2)$$

$$f_1 = \frac{51}{126} \quad f_2 = \frac{75}{126}$$

Gini's Impurity Index



I 70
LS 78

	Income	Lot_Size
NB	27	38
B	79	79

70 78

	Income	Lot_Size
NB	27	38
NB	89	56
NB	9	34
	79	38
	66	

