

## Exercise 1

Consider the following dataset of patient symptoms and diagnosis :

<b>Pain</b>	<b>Fatigue</b>	<b>Headache</b>	<b>Fever</b>	<b>Flu ?</b>
Yes	No	Mild	Yes	No
Yes	Yes	None	No	Yes
Yes	No	Severe	Yes	Yes
No	Yes	Mild	Yes	Yes
No	No	None	No	No
No	Yes	Severe	Yes	Yes
No	Yes	Severe	No	No
Yes	Yes	Mild	Yes	Yes

Question : Using Naive Bayes classification, predict whether a patient with the following symptoms has the flu :

Pain = No, Fatigue = No, Headache = Mild, Fever = Yes, Flu = ?