Why missing values are a problem

- 1. Most machine learning algorithms don't natively handle missing values leading to errors.
- 2. Removing samples with missing values introduces bias.

Mean-Mode Imputation

X1	X2
1	'yes'
nan	'yes'
3	nan
2	'no'

X1: 1+2+3/ 3 = 6/3 = 2	1
•————	2
X2: 'yes' : 2 , 'no' : 1 → 'yes'	3

X1	X2
1	'yes'
2	'yes'
3	'yes'
2	'no'