Why we do not have an omics-based clinical risk score?

▶ Most ML methods apply standardisation on both training and validation data

▶ But in clinical prediction, you might only have single samples to predict on

X	Sample 1	Sample 2	Sample 3
Gene 1	1.2	2.1	1.5
Gene 2	5.6	4.6	7.1
Gene 3	9.2	10.1	6.9
Gene 4	4.1	3.6	2.7

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New X	Sample 4
Gene 1	4.2
Gene 2	3.8
Gene 3	8.4
Gene 4	3.1