

	Batch 1	Batch 2	Batch 3	Batch 4	Batch 5
<i>Biopsy</i>	0	0	0	5	4
<i>Cancer</i>	11	14	0	0	15
<i>Normal</i>	0	4	4	0	0

	Batch 1	Batch 2	Batch 3	Batch 4	Batch 5
1	mTCC	Normal	Normal	Biopsy	sTCC+CIS
2		sTCC–CIS			sTCC–CIS
3		mTCC			Biopsy

The distribution of variables across batches is uneven.

Batch 1 includes only cancer samples,

Batch 2 contains both cancer and normal samples,

Batch 3 consists solely of normal samples,

Batch 4 includes only biopsy samples,

and Batch 5 has both cancer and biopsy samples.

The outcome is strongly associated with the batch.