

	Bhaskar [2016]	Ghadermarzy et al. [2018]	This paper
Higher-order tensors ( $K \geq 3$ )	$\times$	$\checkmark$	$\checkmark$
Multi-level categories ( $L \geq 3$ )	$\checkmark$	$\times$	$\checkmark$
Error rate for tensor denoising	$d^{-1}$ for $K = 2$	$d^{-(K-1)/2}$	$d^{-(K-1)}$
Optimality guarantee under low-rank models	unknown	$\times$	$\checkmark$
Sample complexity for tensor completion	$d^K$	$Kd$	$Kd$