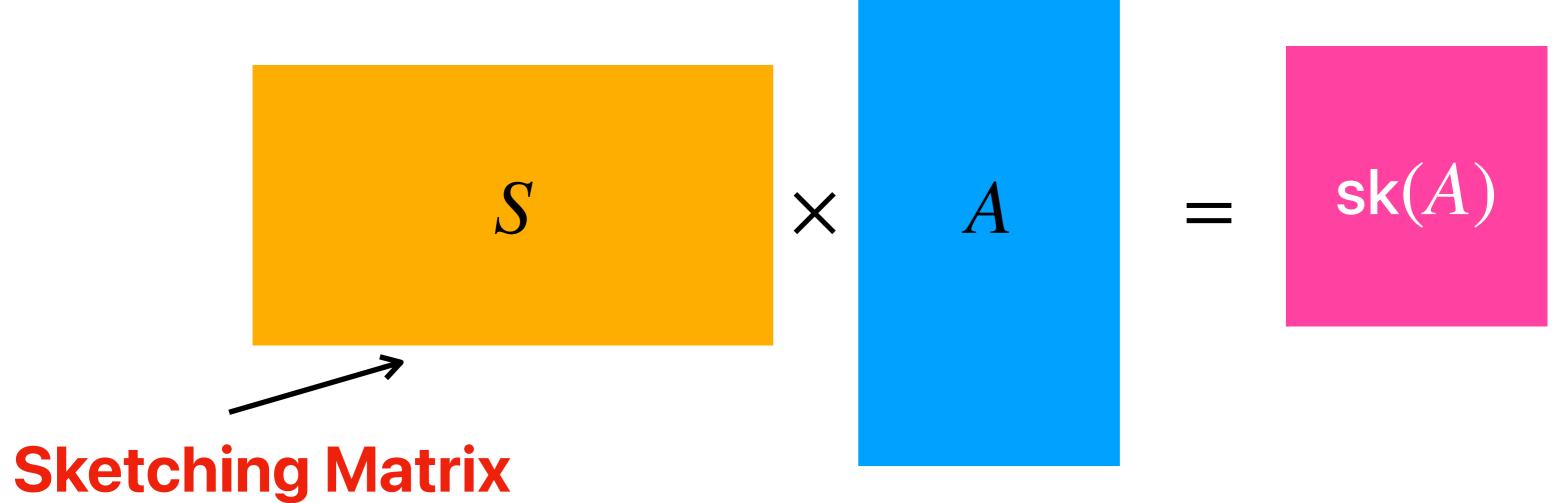
Linear Sketching

Apply a randomized linear transform

 CountSketch [Clarkson, Woodruff '13], OSNAP [Nelson, Nguyen '13], SRHT [Tropp '10], ...



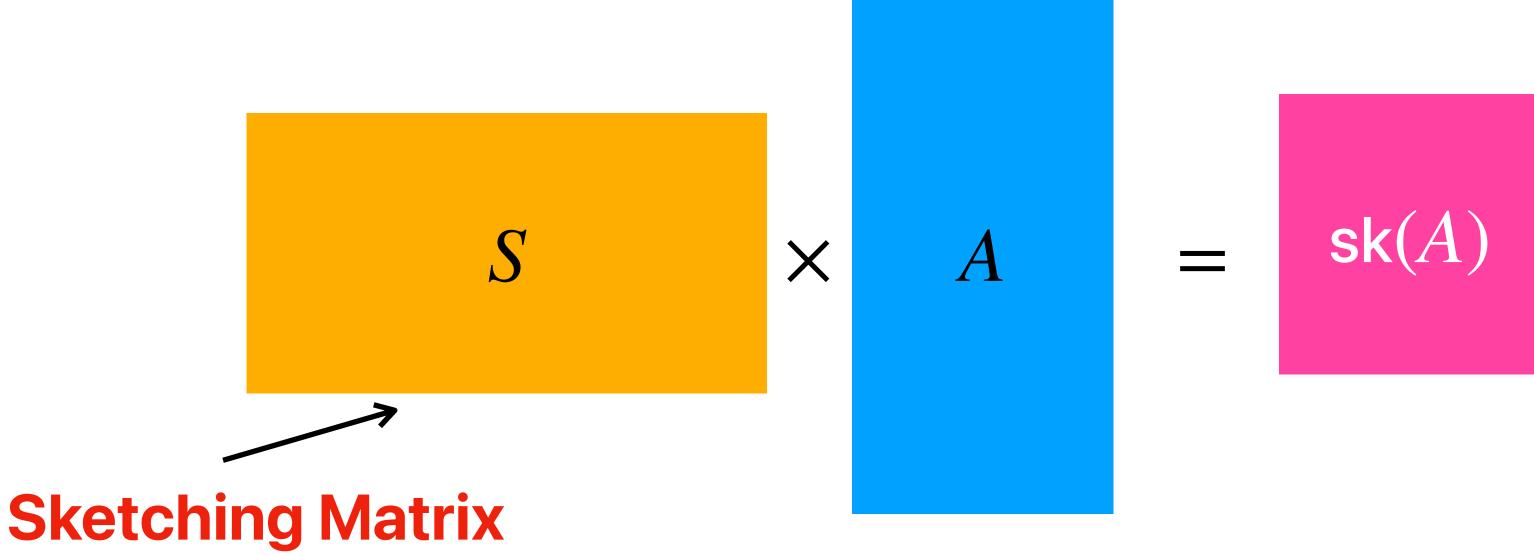
ullet S consolidates information into the "sketch"

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• S consolidates information into the "sketch"

An Example Problem

Principal Component Analysis