Homework 6 Suggeson lee 017473950 Theory Q1. A matrix represents data for 2000 houses 5th 15 features A > (2010 × 15) a) Total court of denots for nation A \$ 2000 x 15 = 30,000 : 30,000 elements 2007 MYN => 2000×2000 + 2000×15 + 15×15 = 4030225 > He will require 1030,225 elements C) K=5 $\sum_{i} \cdot \sqrt{1}$ >> 2000×5 + 5×5 + 5×15 = 10100 ... We need to preserve 10,100 elements when conducting SVD with K=5

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