MODULE 7 QUIZ 3

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1. The matrices L and U in the LU decomposition can be any matrix with the correct dimensions. * 1 point

- (●) TRUE
- ( ) FALSE

2. In SVD if matrix M is decomposed into M = U*S*D. Then which of the three matrices is a diagonal matrix. * 1 point

- ○ U
- ◉ S
- ○ D

3. Low rank decomposition is desirable for the following reason. * 1 point

- ○ Low rank decomposed matrices are easy to store as there are less number of values.
- ○ The low rank decomposition ensures lesser number of latent dimensions.
- ◉ Both
- ○ Neither

4. Which of the following is a direct application of matrix factorization. (While some of the others can be modeled that way, choose the one which it can be directly applied to) * 1 point

- ◉ Recommender Systems
- ○ Digit Classification
- ○ Self-driving Cars
- ○ Weather/Temperature Predictors

5. In LSI, the matrix is constructed from frequency of each word in a document. * 1 point

- ◉ TRUE
- ○ FALSE

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