Week 9 - Check Your Understanding

1. Principal Component Analysis can be used to reduce the dimension of a large dataset without losing much information

    a. True

    b. False

2. Principal component analysis should be used on dataset with categorical variables

    a. True

    b. False

3. The first principal should contain the most amount of variance in the original data

    a. True

    b. False

4. The second principal is always orthogonal to the first principal component.

    a. True

    b. False

5. One should not normalize the date before applying principal component analysis

    a. True

    b. False

6. We do not need to have any assumption of the distribution of the data to use principal component analysis

    a. True

    b. False

7. One should only use the first principal component to move forward with the data analysis

    a. True

    b. False

8. The number of component should always be a half of the number of the original variables

    a. True

    b. False

9. Principal component analysis can be used for data visualization

    a. True

    b. False