MTH 325, Quiz #8, Spring 2024 Name	
Instructions : Answer each question as thoroughly as possible. Round answers to 4 decimal places as needed. Exact answers are best when possible. Be sure to answer all parts of each question.	
1. De	scribe the difference between unsupervised learning and semi-supervised learning.
2. Exp	plain how factor analysis is related to correlation.
3. De	scribe two advantages and at least one disadvantage of neural networks.
4. De	scribe leave-one-out cross validation and why we use it to validate classification models.