Note: This homework is worth a total of 15 points

Q1 (9pts): Given the goal of trying to detect outlier credit card transactions to identify fraud, explain when such transactions are considered:

Q1a: Global outliers

Q1b: Contextual outliers

Q1c: Collective outliers

Q2 (6pts): Given a dataset of pet cats that measures each pet using length and weight, you would like to be able to identify the outliers of big cats like tigers. Explain how you would do this using:

Q2a: Clustering approach

Q2b: Classification approach