

c) The Average linkage ~~and~~ distance metric is the most similar approach to the k-means clustering. Just like k-means the approach tries to minimize the average distance between all points to a certain cluster.

d) The single linkage distance metric would separate the two moons. When the min. distance ~~is~~ between the two moons is less than a ~~threshold~~ sound set by an algorithm you will never include one of the data points of the other moon.

The average linkage wouldn't work since it works similar like k-means, resulting with ~~to~~ halves of the different moons.

The complete linkage would also fail since the max distance between the two ends of each moon is bigger than the min distance between the separate moons.