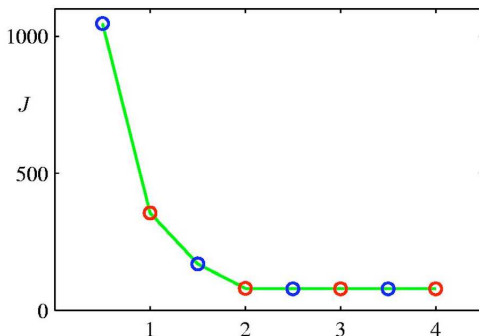


K-means: Choosing the number of clusters K

- One way to select K for the K -means algorithm is to try different values of K , plot the K -means objective versus K , and look at the “elbow-point” in the plot



- For the above plot, $K = 2$ is the elbow point

Picture courtesy: "Pattern Recognition and Machine Learning, Chris Bishop (2006)