

The background of the slide is a complex, abstract composition. It features a dark, muted purple or brownish background. Overlaid on this are several geometric and data-like elements: a network of thin, light-colored lines forming a web-like structure; numerous small, green circular dots scattered across the space; and a series of vertical, slightly wavy lines on the right side. In the center, there is a large, white, angular shape that resembles a stylized letter 'A' or a large arrow pointing downwards, which serves as a backdrop for the title text. To the left of the title, there is a smaller, rectangular inset image showing a cluster of orange and red dots on a light blue background, with a grid of small black crosses overlaid.

Clustering Validation: Basic Concepts