

The background features a complex network graph with nodes and edges in shades of red, orange, and green. On the left side, there is a smaller inset showing a scatter plot with orange and red points, overlaid with a grid and a heatmap. The main title is centered in a white, angular shape.

Session 6: CLIQUE: Grid- Based Subspace Clustering

Online Quiz

- ☐ Suppose C is the cluster (set of nodes) we find in the 3D space, for a given point $x \in C$ how many of the following statements about x might be correct?
 - ☐ $x.\text{salary} > 4$
 - ☐ $x.\text{vacation} > 4$
 - ☐ $x.\text{age} > 50$
 - ☐ $x.\text{salary} < 3$
 - ☐ $x.\text{vacation} < 3$
 - ☐ $x.\text{age} < 40$
- ☐ Answer: 4
 - ☐ From the results in 2D, we know that $2 \leq x.\text{salary} \leq 5$, $2 \leq x.\text{vacation} \leq 4$, and $30 \leq x.\text{age} \leq 50$. Any x with features out of these ranges is impossible to appear in C . Thus we have four correct statements, i.e., $x.\text{salary} > 4$, $x.\text{salary} < 3$, $x.\text{vacation} < 3$, $x.\text{age} < 40$.