DBSCAN: Definitions and Algorithm Outline

- ϵ -neighbourhood of $\mathbf{x} = \text{set of points } \mathbf{x}_i \text{ such that } d(\mathbf{x}, \mathbf{x}_i) \leq \epsilon$
- $x = core\ point\ if\ its\ \epsilon$ -neighbourhood contains at least $n_{min} \neq points$
- x_i in the ϵ -neighbourhood of core point x is directly reachable from x
- x_n is reachable from x_1 if there is a path $x_1 \to x_2 \to \cdots \to x_n$ where x_{i+1} is directly reachable from $x_i \to \text{non-reachable points}$ are outliers

