Definitions and Concepts for AQA Computer Science A-level

Topic 11: Big Data

11.1 Big Data

Big Data: An umbrella term used to refer to typically unstructured datasets that are large in terms of storage size, data streaming rate and/or variety.

Fact Based Model: A data model consisting of facts such that each fact captures a single piece of information. ✢

Graph Schema: A data model where the structure of a database is defined in terms of does, edges and properties.

Nodes (Graph Schema): The representation of an entity.

Edges (Graph Schema): The representation of a relationship between two entities.

Properties (Graph Schema): The representation of attributes and information stored with each entity.