### Research with solid fill8.3 Hands-on Case Study:

Clustering

*Download Source Data Set from GitHub link* : <https://github.com/Smartbrain2024/Mastering_AI_2.git>

**Chapters/Chp\_08/8.3/Hands\_on/stock\_data.csv**

Step 1: Source Data Ingestion

A screenshot of a computer

Description automatically generated

Step 2: EDA

A diagram of a computer program

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Step 3: Preprocessing

A diagram of a machine

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Step 4: Clustering

A screen shot of a diagram

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Hierarchical Clustering:

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A screenshot of a computer

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K mean Clustering:A screenshot of a computer

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A screenshot of a computer

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Step 4: Cluster Analysis

A diagram of a computer

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A screenshot of a graph

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