Data

Definition

Data is a representation of facts, concepts, or instructions in a formalized manner, suitable for communication, interpretation, or processing by humans or by automatic means.

DMBOK2

Data represents facts/things other than itself. Data is both an interpretation of the objects it represents and an object that must be interpreted.

Note

Data is a business asset, while not tangible, it has value and can be managed.

Relation

Data	is parent of	file
Data	is parent of	dataset
Data	is child of	concept
Data	is child of	fact
Data	is child of	instruction

Characteristics

See data quality dimensions.

Life cycle

The life cycle of data in alphabetical order is:

- Aggregate data
- Align data
- Analyse data
- Annotate data
- Anonymize data
- Archive data
- Arrange data
- Assess data
- Audit data
- Benchmark data
- Blend data

- Calculate data
- Categorize data
- Change data
- Clean data
- Cluster data
- Collect data
- Compare data
- Complete data
- Compress data
- Consume data
- Convert data
- Copy data
- Correlate data
- Create data
- Cross-reference data
- Decode data
- Decrypt data
- De-duplicate data
- De-identify data
- Delete data
- Deliver data
- Describe data
- Design data (data design)
- Detect data
- Differentiate data
- Disaggregate data
- Distribute data
- Encode data
- Encrypt data
- Enrich data
- Evaluate data
- Expand data
- Export data
- Extract data
- Extrapolate data
- Filter data
- Forecast data
- Generate data
- Group data
- Harmonize data
- Highlight data
- Identify data
- Import data
- Impute data
- Index data
- Infer data
- Integrate data
- Interpolate date
- Interpret data
- Isolate data
- Link data

- Locate data
- Map data
- Merge data
- Migrate data
- Mine data
- Model data (data modeling)
- Move data
- Normalize data
- Observe data
- Optimize data
- Organize data
- Partition data
- Process data
- Protect data
- Pseudonymize data
- Publish data
- Reconcile data
- Record data
- Reformat data
- Regulate data
- Report data
- Review data
- Secure data
- Segment data
- Standardize data
- Store data (data storage}
- Stucture data
- Summarize data
- Use data
- Validate data
- Verify data
- Visualize data

References

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