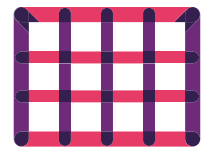


Dummy example - Raw tabular dataset

Metadata Schema



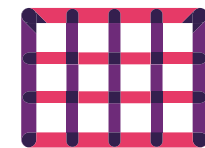
StudyStage	ColumnName	Role	Type	Ontology	Unit	UnitOntology	Description
Study setup	SampleID	sampleID	string				Unique identifier for the sample
Study setup	GroupID	groupID	string				Unique identifier for the group (including treatment type, concentration, exposure duration, post-exposure duration...)
Treatment	Metadata_ColumnX1	groupBy	string				Description of what is in columnX1
Treatment	Metadata_ColumnX2		string	x			Description of what is in columnX2
Sample preparation	Metadata_ColumnX3		int				Description of what is in columnX3
Sample preparation	Metadata_ColumnX4		string				Description of what is in columnX4
Endpoint measurement	TestedSampleType	testedSampleType	string				Sample (tissue, cell, matrix...) subject to the endpoint measurement
Endpoint measurement	Metadata_ColumnX6		float		x	x	Description of what is in columnX6
Analysis	Metadata_ColumnX7		string				Description of what is in columnX7
...

a cross in "Ontology" column in the schema implies 2 additional columns: one with the ontology used, and the other one with the identifier of the term in the given ontology

a cross in "Unit" column in the schema implies 1 additional column giving the unit

a cross in "UnitOntology" column in the schema implies 2 additional columns: one with the ontology used for the unit, and the other one with the identifier of the term in the given ontology

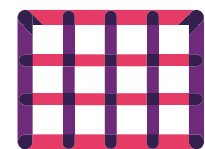
Metadata File



SampleID	GroupID	Metadata_ColumnX1	Metadata_ColumnX2	Metadata_ColumnX2 Ontology	Metadata_ColumnX2 Ontology Entry	Metadata_ColumnX3	Metadata_ColumnX4	TestedSampleType	Metadata_ColumnX6	Metadata_ColumnX6 Unit	Metadata_ColumnX6 Unit Ontology	Metadata_ColumnX6 Unit Ontology Entry	Metadata_ColumnX7	...
Sample1	Group1			name of ontology used	ontology term id						name of ontology used	ontology term id		
Sample2	Group1													
Sample3	Group1													
Sample4	Group1													
Sample5	Group2													
Sample6	Group2													
Sample7	Group2													
Sample8	Group2													

SampleIDs should correspond between metadata and data and ALL sampleIDs in data must be in metadata. In the data file, SampleIDs can be repeated as many times as there are measurements.

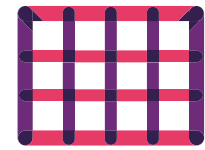
Data File



SampleID	TestedSampleType	Measurement name	Value	Value Unit	Value Unit Ontology	Value Unit Ontology Entry	Metadata_ColumnY2	Metadata_ColumnY2 Unit	...
Sample1		Endpoint a							
Sample2		Endpoint a							
Sample3		Endpoint a							
Sample4		Endpoint a							
Sample5		Endpoint a							
Sample6		Endpoint a							
Sample7		Endpoint a							
Sample8		Endpoint a							
Sample1		Endpoint b							
Sample2		Endpoint b							
Sample3		Endpoint b							
Sample4		Endpoint b							
Sample5		Endpoint b							
Sample6		Endpoint b							
Sample7		Endpoint b							
Sample8		Endpoint b							

Favored format is to have ONE measurement per row in the data file (high format).

Data Schema



StudyStage	ColumnName	Role	Type	Ontology	Unit	UnitOntology	Description
Study setup	SampleID	sampleID	string				Unique identifier for the sample
Endpoint measurement	TestedSampleType	testedSampleType	string	x			Sample (tissue, cell, matrix...) subject to the endpoint measurement
Endpoint measurement	Measurement name	endpointID	string				Specific name of endpoint being measured
Endpoint measurement	Value	endpointValue	float		x	x	Obtained measurement for the endpoint
Analysis	Metadata_ColumnY2		string		x		Description of what is in columnY2
...