

Java class **AbstractDataSet**

- `public abstract String getDataSetName();`
- `public abstract List<ColumnMetaData> getColumns();`
- `public abstract List<FilterMetaData> getFilters();`
- `public abstract Object[][] execute(List<ColumnMetaData> columns, List<FilterData> filters);`
- `public abstract boolean getAllowsDuplicateColumns();`
- `public abstract boolean getAllowsAggregateColumns();`

- `public boolean isFilterValueEnabled(String filter);`
- `public List<Object> getFilterValues(String filter, HashMap<String, FilterData> appliedFilters);`

public abstract String getDataSetName();

DataSetNameString

public abstract List<ColumnMetaData> getColumns();

ColumnMetaDatacollection

ColumnMetaData

columnName	Yellowfin
columnType	DataType DataType
fieldType	FieldType FieldType
availableAggregations	AggregationType AggregationType
availableFilterOperators	FilterOperator FilterOperator

```
public abstract List<FilterMetaData> getFilters();
```

FilterMetaDatacollection

FilterMetaData

filterName	Yellowfin
filterType	FilterType FilterType
Mandatory	
availableAggregations	AggregationType AggregationType
availableOperators	FilterOperator FilterOperator

FilterMetaDataconstructor.java

```
public abstract Object[][] execute(List<ColumnMetaData> columns, List<FilterData> filters);
```

YellowfinYellowfin

ColumnMetaData

ColumnMetaDatagetSelectedAggregation()AggregationType

FilterData

FilterData

filterName	
metaData	FilterMetaDatagetFilters()FilterMetaDataFilterMetaData
filterValue	JavaJava
filterOperator	FilterOperator
aggregationType	AggregationOperator

ThirdPartyException()

```
public abstract boolean getAllowsDuplicateColumns();
```

true

falseYellowfin

public abstract boolean getAllowsAggregateColumns();

falseYellowfinYellowfin

true**getColumns()**

public boolean isFilterValueEnabled(String filter);

true**getFilterValues()**

public List<Object> getFilterValues(String filter, HashMap<String, FilterData> appliedFilters);

isFilterValueEnabled()trueJava**appliedFilters**