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Document history

Version	Date	Author (Unit)	Description
v0.3			First draft finished

1 Executive summary

2 Use Case - Data Bases (DB)

Priority: Must/Should/Could

Deadline: M?

Responsible:

Code-Package:

Description of the Use Case

Enter a textual description of the functionality. Link to other functionalities if needed.

Must-Requirements List of the Use Case

- **Requirement-ID:** Short Description

Should-Requirements List of the Use Case

- **Requirement-ID:** Short Description

Could-Requirements List of the Use Case

- **Requirement-ID:** Short Description
-

2.1 Attributes

Priority: Must/Should/Could

Deadline: M?

Responsible:

Code-Package:

Description

Enter a textual description of the functionality. Link to other functionalities if needed.

Must-Requirements List

- **Requirement-ID:** Short Description

Should-Requirements List

- **Requirement-ID:** Short Description

Could-Requirements List

- **Requirement-ID:** Short Description
-

2.2 Data File Reader

Priority: Must/Should/Could

Deadline: M?

Responsible:

Code-Package:

Description

Enter a textual description of the functionality. Link to other functionalities if needed.

1. DataRow.
2. Weka wrapper reader.
3. AMIDST arff reader.

Must-Requirements List

- **Requirement-ID:** Short Description

Should-Requirements List

- **Requirement-ID:** Short Description

Could-Requirements List

- **Requirement-ID:** Short Description
-

2.3 Data Instance

Priority: Must/Should/Could

Deadline: M?

Responsible:

Code-Package:

Description

Enter a textual description of the functionality. Link to other functionalities if needed.

- StaticDataInstance.
- DynamicDataInstance: TimeID, SequenceID.

Must-Requirements List

- **Requirement-ID:** Short Description

Should-Requirements List

- **Requirement-ID:** Short Description

Could-Requirements List

- **Requirement-ID:** Short Description
-

2.4 Scalable DataInstance management

Priority: Must/Should/Could

Deadline: M?

Responsible:

Code-Package:

Description

Enter a textual description of the functionality. Link to other functionalities if needed.

- Static:
 - Data on memory
 - Data on disk
 - Data on stream.
- Dynamic:
 - Data on memory
 - Data on disk
 - Data on stream.

Must-Requirements List

- **Requirement-ID:** Short Description

Should-Requirements List

- **Requirement-ID:** Short Description

Could-Requirements List

- **Requirement-ID:** Short Description
-

3 Use Case - Basic Data Structures (BS)

Priority: Must/Should/Could

Deadline: M?

Responsible:

Code-Package:

Description of the Use Case

Enter a textual description of the functionality. Link to other functionalities if needed.

Must-Requirements List of the Use Case

- **Requirement-ID:** Short Description

Should-Requirements List of the Use Case

- **Requirement-ID:** Short Description

Could-Requirements List of the Use Case

- **Requirement-ID:** Short Description

3.1 Variable

Priority: Must/Should/Could

Deadline: M?

Responsible:

Code-Package:

Description

Enter a textual description of the functionality. Link to other functionalities if needed.

Must-Requirements List

- **Requirement-ID:** Short Description
-

Should-Requirements List

- **Requirement-ID:** Short Description

Could-Requirements List

- **Requirement-ID:** Short Description

3.2 Static Model Header

Priority: Must/Should/Could

Deadline: M?

Responsible:

Code-Package:

Description

Enter a textual description of the functionality. Link to other functionalities if needed.

Must-Requirements List

- **Requirement-ID:** Short Description

Should-Requirements List

- **Requirement-ID:** Short Description

Could-Requirements List

- **Requirement-ID:** Short Description

3.3 Dynamic Model Header

Priority: Must/Should/Could

Deadline: M?

Responsible:

Code-Package:

Description

Enter a textual description of the functionality. Link to other functionalities if needed.

Must-Requirements List

- **Requirement-ID:** Short Description

Should-Requirements List

- **Requirement-ID:** Short Description

Could-Requirements List

- **Requirement-ID:** Short Description

3.4 Directed Acyclic Graph

Priority: Must/Should/Could

Deadline: M?

Responsible:

Code-Package:

Description

Enter a textual description of the functionality. Link to other functionalities if needed.

Must-Requirements List

- **Requirement-ID:** Short Description

Should-Requirements List

- **Requirement-ID:** Short Description

Could-Requirements List

- **Requirement-ID:** Short Description
-

3.5 Distributions

Priority: Must/Should/Could

Deadline: M?

Responsible:

Code-Package:

Description

Enter a textual description of the functionality. Link to other functionalities if needed.

Must-Requirements List

- **Requirement-ID:** Short Description

Should-Requirements List

- **Requirement-ID:** Short Description

Could-Requirements List

- **Requirement-ID:** Short Description

3.6 Bayesian Network

Priority: Must/Should/Could

Deadline: M?

Responsible:

Code-Package:

Description

Enter a textual description of the functionality. Link to other functionalities if needed.

Must-Requirements List

- **Requirement-ID:** Short Description
-

Should-Requirements List

- **Requirement-ID:** Short Description

Could-Requirements List

- **Requirement-ID:** Short Description

3.7 2TDBN

Priority: Must/Should/Could

Deadline: M?

Responsible:

Code-Package:

Description

Enter a textual description of the functionality. Link to other functionalities if needed.

Must-Requirements List

- **Requirement-ID:** Short Description

Should-Requirements List

- **Requirement-ID:** Short Description

Could-Requirements List

- **Requirement-ID:** Short Description

4 Time Tables**4.1 Use Case DB**

Version	Phase	Author(s)	Deadline	Start Date	End Date
0.1	Design	Post-docs	00/00/00	00/00/00	00/00/00
0.2	Prototype	Post-docs	00/00/00	00/00/00	00/00/00
0.3	Code Review	Post-docs	00/00/00	00/00/00	00/00/00
0.4	Testing	Post-docs	00/00/00	00/00/00	00/00/00
0.5	Java-Doc	Post-docs	00/00/00	00/00/00	00/00/00
0.6	First Release	Post-docs	00/00/00	00/00/00	00/00/00

Table 1: Time Table - Attributes/UseCase DataBases

Version	Phase	Author(s)	Deadline	Start Date	End Date
0.1	Design	Post-docs	00/00/00	00/00/00	00/00/00
0.2	Prototype	Post-docs	00/00/00	00/00/00	00/00/00
0.3	Code Review	Post-docs	00/00/00	00/00/00	00/00/00
0.4	Testing	Post-docs	00/00/00	00/00/00	00/00/00
0.5	Java-Doc	Post-docs	00/00/00	00/00/00	00/00/00
0.6	First Release	Post-docs	00/00/00	00/00/00	00/00/00

Table 2: Time Table - DataFileReader/UseCase DataBases

Version	Phase	Author(s)	Deadline	Start Date	End Date
0.1	Design	Post-docs	00/00/00	00/00/00	00/00/00
0.2	Prototype	Post-docs	00/00/00	00/00/00	00/00/00
0.3	Code Review	Post-docs	00/00/00	00/00/00	00/00/00
0.4	Testing	Post-docs	00/00/00	00/00/00	00/00/00
0.5	Java-Doc	Post-docs	00/00/00	00/00/00	00/00/00
0.6	First Release	Post-docs	00/00/00	00/00/00	00/00/00

Table 3: Time Table - DataInstance/UseCase DataBases

Version	Phase	Author(s)	Deadline	Start Date	End Date
0.1	Design	Post-docs	00/00/00	00/00/00	00/00/00
0.2	Prototype	Post-docs	00/00/00	00/00/00	00/00/00
0.3	Code Review	Post-docs	00/00/00	00/00/00	00/00/00
0.4	Testing	Post-docs	00/00/00	00/00/00	00/00/00
0.5	Java-Doc	Post-docs	00/00/00	00/00/00	00/00/00
0.6	First Release	Post-docs	00/00/00	00/00/00	00/00/00

Table 4: Time Table - ScalableDataInstanceManagement/UseCase DataBases

4.2 Use Case BS