*Florida International University*

*School of Computing and Information Sciences*

Software Engineering Focus

Feature Document

User Story ID #669

**Name:** Christian Molto

**Team Member(s):Michael Garrett, Christian Molto**

**Project: Microdata and Algorithms 1.0**

**Product Owner(s)**:DeEtta Kay Mills

**Mentor(s)**:

**Instructor**: Masoud Sadjadi

**User Story Name:**

* Description: **As a** User **I would like** to do a correlation with the data **so that** I draw conclusions as to what gene is most prevalent.

Acceptance Criteria

* Must Accept dataset in csv format.
* Must accept the dataset in arff format.

**Use Case**

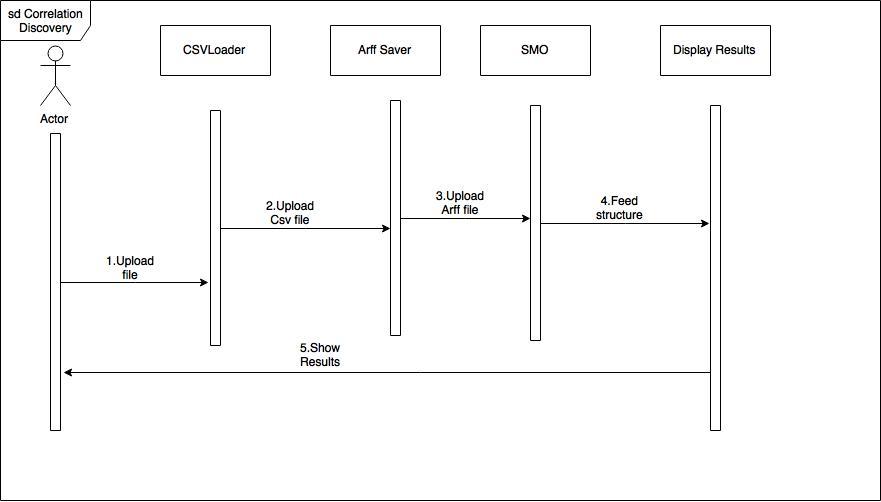
* Name:Correlation Discovery
* Actor:User
* Preconditions:Data in arff format.
* Description <Flow of events>:

1. Upload dataset as a csv file.
2. Convert dataset to arff format.
3. Use new dataset and feed it to support vector machine (SMO) in weka.
4. Print out the results.

**Use Case Diagram**

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**Sequence Diagram**



**Unit Test**

* Test case ID: 1
* Description/Summary of Test: Dataset is to display results of support vector machine.
* Pre-condition: Dataset must be converted into arff format.
* Expected Results: List of results for support vector machine.
* Actual Result: Java Space Heap
* Status (Fail/Pass):Fail