*Florida International University*

*School of Computing and Information Sciences*

Software Engineering Focus

Feature Document

User Story ID #669

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**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 determine if there is a correlation between a queried set of genes (eg. If gene a’s intensity goes up, does gene b’s intensity also go up?) in order to look for genes that can be used as markers to determine the adjusted degree hours of human cadavers (hours since the human died adjusted for factors such as temperature).

**Acceptance Criteria:**

1. Must Accept the dataset
2. Must output the results

**Use Case**

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

1. Upload dataset as a csv file.
2. Enter the intensities.
3. Enter the gene name.
4. Display t1he data as graph’s.

**Unit Test**

* Test case ID: 1
* Description/Summary of Test: Dataset is to display results.
* Pre-condition: Dataset must be csv format.
* Expected Results: Displays graphs as the result.
* Actual Result: Exactly as expected
* Status (Fail/Pass):Pass