CS F415: Data Ming
Second Semester 2016-17

Relative Contributions of Each Team Member

Project Group Number- 7

Project Title:
Fastest Association Rule Mining algorithm predictor for Market Basket data

Research Project:

Team Member (IDNO) (in IDNo Order)	Contribution in the Research Area Identification and Literature Survey (%)	Contribution in overall system design and understanding of the Research Problem (%)	Contribution in coding and testing of final Paper (%)	Contribution in the preparation of slides presentation, documentation (%)
2014A3PS181P	20	20	25	10
2014A3PS199P	20	20	20	15
2014A3PS225P	20	20	20	30
2014A8PS332P	20	30	25	15
2015A7PS129P	20	10	10	30
TOTAL	**100%**	**100%**	**100%**	**100%**

Data on the complexity of the Research prototype

Name of the Component	Coded by (list all team members who coded this component)*	Lines of code (including throw-away code)	Relative complexity **
Market Basket Data Generator	2014A3PS181P, 2014A8PS332P	24	3
Association mining algorithms	2014A3PS181P 2014A3PS225P	15	0
Comparing ARM Algorithms timing	2014A3PS225P, 2014A8PS332P	29	2
Extracting features from generated random data for classification	2014A3PS225P, 2015A7PS129P	31	3
Improving the accuracy of classification with Optimal Bayesian technique	2014A8PS332P	15	2
Exporting calculated data from various places to csv for classification	2014A3PS199P, 2014A3PS181P	25(spread across various files)	1
Using classification algorithms,namely-SVM,KNN,C4.5,Ada-Boost,Gaussian Process	2014A3PS199P, 2015A7PS129P	55	2

External componens used :

- Research paper – (2014A3PS225P, 2014A3PS181P)
- PyFIM - http://www.borgelt.net/pyfim.html
  This library had implementations of the ARM algorithms used. (2014A8PS332P)
- SciKit-Learn - http://scikit-learn.org/stable/
  It is used in the classification part. (2014A3PS199P, 2014A8PS332P)