Object Oriented Programming – 2019/2020 – 2nd Semester
Self-evaluation form

Group: 38   Oral discussion date: _____   Penalization (days): _____

Number: 81220   Name: Francisco Arteiro   Expected mark: 17

Number: 63136   Name: Nuno Ramos   Expected mark: 17

Number: 97603   Name: Matthieu Guasch   Expected mark: 17

Please fill the following form relative to the **implementation** of the project:

General aspects:
How do you classify the UML tool used (identify it)? Visual Paradigm   ☑ Good ☐ Fair ☐ Bad
Does your application use any external library, besides that provided within JDK?   ☐ Yes (which ones?):_____   ☑ No
How many packages does your application have? ☐ 1   ☐ 2   ☑ ≥ 3: 5
How many interfaces does your application have? ☑ 1   ☐ 2   ☐ ≥ 3:_____   Is your application extensible to further developments? ☑ Yes   ☐ No   ☐ Partialy   Does your application have at least one polymorphic invocation?   ☐ Yes (methods?): _____   ☑ No
Which class is used to parse the train input file? FileControl   This class is: ☑ Never instaciated   ☐ Instaciated only once (singleton)   ☐ Regular class   Is the train input file parsed twice? ☐ Yes   ☑ No   Which class is used to parse the test input file? FileControl   This class is: ☑ Never instaciated   ☐ Instaciated only once (singleton)   ☐ Regular class
Concerning visibility of the fields, check visibilities that are used in the code: ☐ Public   ☑ Private   ☐ Package   ☐ Protected   Concerning visibility of the methods, check visibilities that are used in the code: ☑ Public   ☑ Private   ☐ Package   ☑ Protected   Concerning visibility of the classes, check visibilities that are used in the code: ☑ Public   ☐ Package
Does your application contain any user defined exceptions? ☐ Yes (how many?):_____   ☑ No

Learning algorithm:
Are the counts computed only when needed from the data? ☑ Yes   ☐ No   If not, are counts stored in a data structure from the `java.util` package?   ☑ Yes: List   ☐ No:_____   Are counts N_{ijkc} computed twice, one time for the $\alpha_{ii'}$ and another for the θ_{ijkc}? ☑ Yes   ☐ No
Are the local scores $\alpha_{ii'}$ stored in a data structure from the `java.util` package?   ☑ Yes: List   ☐ No:_____
Which algorithm was used to compute the maximum spanning tree? ☑ Prim   ☐ Kruskal   ☐ Other   The resulting network is always a tree-like network structure? ☑ Yes   ☐ No
Is the tree network structure stored in a data structure from the `java.util` package?   ☐ Yes:_____   ☑ No:_____   Are the network parameters computed only when needed from the counts? ☑ Yes   ☐ No   Are the network parameters stored in a data structure from the `java.util` package?   ☑ Yes: List   ☐ No:_____
Are your results consistent with those in the Project webpage?:   Bias dataset – LL score: ☑ Yes ☐ No ☐ Not applicable – MDL score: ☑ Yes ☐ No ☐ Not applicable   Heart dataset – LL score: ☑ Yes ☐ No ☐ Not applicable – MDL score: ☑ Yes ☐ No ☐ Not applicable

Global evaluation:

What was the degree of participation of each element in the group? (% should sum 100%)?
Num 81220 _____ : 33.3 ___ % Num 63136 _____ : 33.3 ___ % Num 97603 _____ : 33 ___ %

In the extent of your perception of the developed work, fill the following tables:

Project documentation	Yes	No
Is the project correctly documented through comments in the source code?	☑	☐
Was the javadoc tool used to build the documentation of the developed packages?	☑	☐
Documentation via javadoc tool exports only the public classes and their public members?	☑	☐
If No explain here:_____		
Is it complete, with:		
- overview of packages?	☑	☐
- summary of classes, interfaces and exceptions?	☑	☐
- brief description of classes, interfaces and exceptions?	☑	☐
- summary of fields, constructors and methods?	☑	☐
- detail of fields, constructors and methods?	☑	☐

Project compilation	Yes	No
Does the project compile without errors?	☑	☐
Does the project compile without warnings?	☑	☐
If the answer is no, are all these warnings unchecked warnings?	☑	☐

Running	Yes	No	With faults
Is the jar file runnable from the shell?	☑	☐	☐
Does the project read correctly the parameters?	☑	☐	☐
Does the project runs with the train-test sets given in the project webpage? (i.e., files are at any place in client's computer)	☑	☐	☐
Does the project generate any supplementary information (status, debug, etc)?	☑	☐	☐

Development environment used? ☐ Linux   ☑ Windows   ☐ Unix   ☐ Mac/OS

Java version used: 8 _____

The following table is to be filled by the **professor**:

Report	Good	Fair	Bad
Cover identifies the course, students and group number	☐	☐	☐
Introduction with goals of the work very succinct but clearly stated	☐	☐	☐
Intelligibility of the document	☐	☐	☐
Structure of the document	☐	☐	☐
Brief justification of main data structures used	☐	☐	☐
Innovative solution (extensibility/reuse of code, etc)	☐	☐	☐
Critical evaluation of the application	☐	☐	☐
Description of functionalities beyond requested ones (if any)	☐	☐	☐
Conclusions	☐	☐	☐

Nuno Ramos