Object Oriented Programming – 2019/2020 – 2nd Semester

Self-evaluation form

Group: 14 Oral discussion date: _____ Penalization (days): ____

Number: 86995 Name: Francisco Quilincho Expected mark: 16

Number: 87011 Name: Guilherme Nascimento Expected mark: 16

Number: 87107 Name: Ricardo Antão Expected mark: 16

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

General aspects:

How do you classify the UML tool used (identify it)? ObjectAid (Eclipse) ☒ 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: 4

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?): calcScore() from Scoring-Edges ☐ No

Which class is used to parse the train input file? InputHandler

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? InputHandler

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?): 1 ☐ 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: Array ☐ 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: Array ☐ 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: ArrayList ☐ 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: Array ☐ 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 86995 : 33 % Num 87017 : 33 % Num 87107 : 34 %

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: Some private fields are important for the Project Structure		
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: JDK 13

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	☐	☐	☐