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

Group: _____7_   Oral discussion date: _____   Penalization (days): ____0

Number: _86976_   Name: _Diogo Moura_____   Expected mark: _____19

Number: _86980_   Name: _Diogo Alves_____   Expected mark: _____19

Number: _87057_   Name: _Luís Crespo_____   Expected mark: _____19

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_____ [x] Good   [ ] Fair   [ ] Bad

Does your application use any external library, besides that provided within JDK?
[ ] Yes (which ones?):_____ [x] No

How many packages does your application have? [ ] 1   [ ] 2   [x] ≥ 3: ____4

How many interfaces does your application have? [ ] 1   [ ] 2   [x] ≥ 3: ____6

Is your application extensible to further developments? [x] Yes   [ ] No   [ ] Partialy

Does your application have at least one polymorphic invocation?
[x] Yes (methods?): _computeWeight, addEdge, setEdgeWeight_____   [ ] No

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

This class is: [x] Never instaciated   [ ] Instaciated only once (singleton)   [ ] Regular class

Is the train input file parsed twice? [ ] Yes   [x] No

Which class is used to parse the test input file? _DatasetLoader_____

This class is: [x] Never instaciated   [ ] Instaciated only once (singleton)   [ ] Regular class

Concerning visibility of the fields, check visibilities that are used in the code:
[ ] Public   [x] Private   [x] Package   [x] Protected

Concerning visibility of the methods, check visibilities that are used in the code:
[x] Public   [x] Private   [x] Package   [x] Protected

Concerning visibility of the classes, check visibilities that are used in the code: [x] Public   [ ] Package

Does your application contain any user defined exceptions? [x] Yes (how many?): _2_____   [ ] No

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Learning algorithm:

Are the counts computed only when needed from the data? [x] Yes   [ ] No

If not, are counts stored in a data structure from the `java.util` package?
[ ] Yes:_____   [ ] No:_____

Are counts N_{ijkc} computed twice, one time for the σ_{ii^j} and another for the θ_{ijkc}? [x] Yes   [ ] No

Are the local scores σ_{ii^j} stored in a data structure from the `java.util` package?
[ ] Yes:_____   [x] No: _Matriz de double_

Which algorithm was used to compute the maximum spanning tree? [x] Prim   [ ] Kruskal   [ ] Other

The resulting network is always a tree-like network structure? [x] Yes   [ ] No

Is the tree network structure stored in a data structure from the `java.util` package?
[x] Yes: _List<TreeNode> (DirectSpanningTree)_   [ ] No:_____

Are the network parameters computed only when needed from the counts? [x] Yes   [ ] No

Are the network parameters stored in a data structure from the `java.util` package?
[ ] Yes:_____   [x] No:_____

Are your results consistent with those in the Project webpage?:

Bias dataset – LL score: [x] Yes [ ] No [ ] Not applicable – MDL score: [x] Yes [ ] No [ ] Not applicable

Heart dataset – LL score: [x] Yes [ ] No [ ] Not applicable – MDL score: [x] Yes [ ] No [ ] Not applicable

Global evaluation:		
What was the degree of participation of each element in the group? (% should sum 100%)?		
Num 86976 : 30 % Num 86980 : 40 % Num 87057 : 30 %		

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?	X	☐
Was the javadoc tool used to build the documentation of the developed packages?	X	☐
Documentation via javadoc tool exports only the public classes and their public members?	☐	X
If No explain here: Também *protected*, é importante para perceber polimorfismo		
Is it complete, with:		
- overview of packages?	X	☐
- summary of classes, interfaces and exceptions?	X	☐
- brief description of classes, interfaces and exceptions?	X	☐
- summary of fields, constructors and methods?	X	☐
- detail of fields, constructors and methods?	X	☐

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

Running	Yes	No	With faults
Is the jar file runnable from the shell?	x	☐	☐
Does the project read correctly the parameters?	x	☐	☐
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)	x	☐	☐
Does the project generate any supplementary information (status, debug, etc)?	☐	x	☐

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

Java version used: 13.0.2

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	☐	☐	☐