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| Studentnumber: | Studentname: | Grading: |

Insufficient if one of the 5 aspects described below is insufficient

Overall additional bouns of max 10 for excellent performance

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|  | Insufficient | Marginal 10 points each | Good 12.5 points each | Excellent 15 points each |
| *1.Visualisation* | There is no dashboard, only one interactive plot inside the IDE | Only one of the minimum requirements is implemented ( i.e. the mantra of Visualisation). There are no multiple tabs | All of the minimum requirements are implemented ( i.e. the mantra of Visualisation). There are multiple tabs | Additional to *Good*:  Sophisticated interactive elements are implemented |
| *2. DB Storage NOSQL* | There is no use of a NOSQL database | There is a live query for collecting data, however is a simple query, no aggregate is used. | There is a live query for collecting data, and the simple query is more or less complex, for instance an aggregate is used. | There is a live query for collecting data using the map reduce structure |
| *3.DASK* | There is no use of DASK | There is an implementation of DASK however the students has no ideas how it could be used | There is some research done after the way DASK could be used. | DASK is used with several machine learning algorithms and the student has successfully explored its capabilities |
| *4.Neural Networks* | There is no use of Neural Networks | Student only knows to describe the basics of the two neural networks involved in the script. | The student can explain both neural networks involved, the differences in the chosen approaches and some of the parameters involved. | Student has done some research on the topic, and is able to fine tune the model |
| *5.Coding* | Student cannot explain any of different statements in the code used to build a model. | Student can explain only the basic statements in the code behind the model | Additional to *Marginal*:  Student knows how to explain all the ins and outs of the pieces of code involved. | Additional to *Good*:  Advanced tweaking of the parameters involved in the used classifiers has been used. |
| *6 Theory* | Student has no basic understanding of ML | Student knows to explain a little of ML techniques and the role of Neural networks | Student knows exactly all ins and outs of a wide range of ML techniques | Student did research on his own, to explore in detail some ML techniques not covered by the course |