|  | Weight | 0 | 25 | 50 | 60 | 70 | 80 | 100 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Specification fulfillment | 50 | insufficient / extremely poor quality code/text | 50% of the steps are covered. | 70% of the steps are covered; the whole big data process has been written in pseudo-code or markdown cells. | 80% of the steps are covered; the whole big data process has been written in pseudo-code or markdown cells. | 100% of the steps are covered. | 100% of the steps are covered; try to find the best solution of models of machine learning and partial results are documented. | marking criterion fully satisfied; especially efficient, insightful and/or creative solutions |
| Literate programming | 20 | Code is accompanied by comments/text cells in a few places. | Code is accompanied by comments, and markdown cells without formatting or sections are used in critical places. | Code is accompanied by comments, and markdown cells with formatting or sections are used in critical places. | Code is accompanied by comments, and markdown cells with sections and formatting are amply used. | Code is accompanied by comments, markdown cells with sections, and formatting is used amply and in a consistent way. |
| Conceptual grounding | 20 | There are explanatory comments for the larger code chunk which reveal understanding. | Explanatory comments, with marking the choices. | Explanatory comments, with marking the choices and containing reasoning. | Explanatory comments include conclusions. | Critically evaluates her/his own work, including other approaches. |
| Coding | 10 | Code duplication; unnecessary dead code and comments; ambiguous names. Not in order to execute the cells. | Unnecessary code and comments remain in the code, but the majority of the code is clean. | Hardly any unnecessary / unclean code. | Working code, hardly any unnecessary code; clear names. Notebook top-down executable. | Working code; no unnecessary code and comments; clear names; concise solutions. Notebook top-down executable. |