None

Null

22 mai 2024

In the following, all variables will be IDs, and elements of tables will be tuples. We will denote by $1_S(e)$ the boolean function representing the proposition $e \in S$. If x is a variable, 1_x is the same as $1_{\{x\}}$.

We have, for a certain course c and a certain student s :

$$a(c,s) = \frac{\sum_{v \in Validations} 1_c(v.class) \times v.coefficient \times \left(\sum_{g \in Grades} 1_s(g.student) \times 1_{v.id}(g.validation) \times g.grade \right)}{\sum_{v \in Validations} 1_c(v.class) \times v.coefficient \times 100}$$

Then, for a certain curriculum γ and a student s :

$$\alpha(\gamma,s) = \frac{\sum_{c \in Credits} c.credits \times a(c.class,s) \times 1_\gamma(c.curriculum) \times 1}{\sum_{c \in Credits} c.credits \times 1_\gamma(c.curriculum) \times 100}$$

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