

Stellingen behorende bij het proefschrift

Text mining applied to molecular biology

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1. Simple concept co-occurrence statistics can be used to efficiently retrieve functional associations between genes.
2. Transparency is essential for a text-mining tool to be useful.
3. For the annotation of DNA microarray data, concept-profile technology supplements manually curated gene annotation databases such as Gene Ontology.
4. A comparison of DNA microarray datasets on the basis of perturbed biological processes is more robust than a comparison based on perturbed genes.
5. The use of ontologies greatly improves the versatility of text mining.
6. A concept's meaning is characterized by its concept profile, in the same way as a word's meaning is characterized by its use in the language. *With reference to Wittgenstein, Philosophical Investigations, 1968.*
7. Man should not ask what the meaning of his life is, but rather must recognize that it is he who is asked; he can only answer by answering for his own life. *With reference to S.R. Covey, The 7 habits of highly effective people, 1989.*
8. In human history, mimicry has been as important a factor for success as creativity.
9. Scientists manipulate the circumstances for the truth, politicians manipulate the truth for the circumstances.
10. Mortgage interest tax deduction is a subsidy for banks.
11. These days the statement: "après moi le déluge", can be taken literally.