Kriterien in der natürlichsprachigen Generierung: Mindestkriterien und damit verbundene Probleme

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Abstract

Given the enormous increase of research in the field of natural language generation, the need for a systematic account of criteria for assessing natural language generators is stressed. This paper tries to give an answer to a number of recently addressed topics regarding criteria, laying special emphasis on which criteria are necessary and relevant and how they influence design decisions for natural language generators. A minimal number of four closely interrelated criteria is presented. It is argued that values for these criteria are usually available before design decisions are made, and the direct impact of these criteria on selecting alternatives in various dimensions of natural language generation is shown together with selected examples. Finally, problems associated with the classification proposed are addressed and directions for future research in this relatively new field of impact assessment are pointed out.

Note: The German version of this paper is no longer available by FTP. A revised and extended English version has been published under the title "Criteria in Natural Language Generation: Minimal Criteria and Their Impacts" in Ohlbach H.J.(ed.), *Proc. 16th German AI Conference (GWAI-92)*, LNAI 671, pp. 347-356, Springer, Berlin, 1993. In case of difficulties in obtaining these proceedings, feel free to contact the author at ernst@ai.univie.ac.at.