Meaning & Poeticness: Automatic Evaluation of Poetry and Poetry Translation



Lexical-based metrics? No!

Wer reitet so spät durch Nacht und Wind? Es ist der Vater mit seinem Kind. Er hat den Knaben wohl in dem Arm, Er faßt ihn sicher, er hält ihn warm. Johann Wolfgang von Goethe, 1782 Meter 4444 iambic, rhyme AABB

Rhyme, consistent meter

Low score because of creative translation

No rhyme, no meter pattern

..yet "best" hypothesis (according to BLEU)

Idea:

Combine multiple features & calibrate to human judgement

Who rides so late through the night and wind? It is the father with his child. He has the boy in his arms; he holds him safely, he keeps him warm. Translation R. Wigmore, reference Meter 4434 iambic, rhyme ----(?)

Who rides so late on a night so wild? A father, through darkness and wind, with his child. He holds the youngster. His arm is tight To keep him warm in the cold of the night. Translation A.Z. Foreman, hypothesis

Who is riding so late, with his child, through night and wind? It is the father who In his arms he holds the boy, He holds him safely, warm he keeps him. Translation V. Zouhar, (adversarial) hypothesis Meter 4534 iambic, rhyme ----, BLEU 38, ChrF2 69

Meter 4544 dactylic, rhyme AABB, BLEU 19, ChrF₂ 53

Original in CS, DE & PL for context; translations: (ref) Roman Kostovski, (hyp) Václav Z. J. Pinkava

