

Statistical
machine
translation

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graph TD; SMT[Statistical machine translation] --> ST[Source text]; SMT --> TT[Target text]; ST --> TA[Text analysis<br/>(formatting, morphology, syntax, etc.)]; TA --> TR[Translation rules]; TR --> PE[Post-editing<br/>(formatting, context, etc.)]; PE --> TT
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The diagram illustrates the Statistical Machine Translation (SMT) process. It begins with a central box labeled 'Statistical machine translation'. A large blue arrow points from this box to two green boxes: 'Source text' on the left and 'Target text' on the right. Below 'Source text' is a yellow arrow pointing down to an orange box labeled 'Text analysis (formatting, morphology, syntax, etc.)'. Below 'Target text' is a yellow arrow pointing up to an orange box labeled 'Post-editing (formatting, context, etc.)'. At the bottom of the diagram is a green box labeled 'Translation rules'. A yellow arrow points down from 'Text analysis' to 'Translation rules', and another yellow arrow points up from 'Translation rules' to 'Post-editing'.

Source text

Target text

Text analysis
(formatting,
morphology,
syntax, etc.)

Post-editing
(formatting,
context,
etc.)

Translation rules