

Statistical  
machine  
translation



```
graph TD; A[Statistical machine translation] --> B[Source text]; A --> C[Target text]; B --> D["Text analysis (formatting, morphology, syntax, etc.)"]; C --> E["Post-editing (formatting, context, etc.)"]; D --> F[Translation rules]; E --> F;
```

The diagram illustrates the Statistical Machine Translation (SMT) process. It begins with a top-level box labeled 'Statistical machine translation'. A blue arrow branches from this box to two parallel boxes: 'Source text' on the left and 'Target text' on the right. From 'Source text', a yellow arrow points down to a box labeled 'Text analysis (formatting, morphology, syntax, etc.)'. From 'Target text', a yellow arrow points up to a box labeled 'Post-editing (formatting, context, etc.)'. Both of these boxes then have yellow arrows pointing down to a final box at the bottom labeled 'Translation rules'.

Source  
text

Target  
text

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

Post-editing  
(formatting,  
context,  
etc.)

Translation rules