

# BERT

	Fill in	Note
Name of the software	BERT	
Developer	Google	
Version	N/A	
Year of publication	Newest version: 31.05.2019	
Description of the software	<p>Google BERT is a pre-training method for natural language understanding that performs various NLP tasks better than ever before.</p> <p>BERT works in two steps: (1) First, it uses a large amount of unlabeled data to learn a language representation in an unsupervised fashion called pre-training. (2) Then, the pre-trained model can be fine-tuned in a supervised fashion using a small amount of labeled trained data to perform various supervised tasks.</p> <p>Pre-training machine learning models have already seen success in various domains including image processing and natural language processing (NLP).</p> <p>BERT stands for <b>B</b>idirectional <b>E</b>ncoder <b>R</b>epresentations from <b>T</b>ransformers. It is based on the transformer architecture (released by Google in 2017). The general transformer uses an encoder and a decoder network, however, as BERT is a pre-training model, it only uses the encoder to learn a latent representation of the input text.</p>	

Link to the software		GitHub: <a href="https://github.com/google-research/bert">https://github.com/google-research/bert</a>
Is it open-source software?	YES	
Is it free software?	YES	
License	<a href="#">Apache License 2.0</a>	
Does it cost to use?	NO	
Does it collect any personal data?	NO	
Does it respect the right to forget?	NO	
Application logs	NO	
Does it contain an online user guide?	YES	
Hardware configuration	No information.	
Software configuration	No information.	
Text data visualisation	NO	
Does it analyse pictures/photos?	NO	
Multiple languages	YES	
Third-party software products integration	YES	
Cross-platform	NO	

support for desktop, tablet and mobile users		
Scalability	Scalable	
Automatically creates database	NO	
Uses AI	YES	