Models

Models are combinations of `tf.keras` layers and models that can be trained.

Several pre-built canned models are provided to train encoder networks. These models are intended as both convenience functions and canonical examples.

- `BertClassifier` implements a simple classification model containing a single classification head using the Classification network. It can be used as a regression model as well.
- `BertTokenClassifier` implements a simple token classification model containing a single classification head over the sequence output embeddings.
- `BertSpanLabeler` implementats a simple single-span start-end predictor (that is, a model that predicts two values: a start token index and an end token index), suitable for SQuAD-style tasks.
- `BertPretrainer` implements a masked LM and a classification head using the Masked LM and Classification networks, respectively.
- `DualEncoder` implements a dual encoder model, suitbale for retrieval tasks.
- `Seq2SeqTransformer` implements the original Transformer model for seq-to-seq tasks.
- `T5Transformer` implements a standalone T5 model for seq-to-seq tasks. The models are compatible with released T5 architecture and converted checkpoints. The modules are implemented as `tf.Module`. To use with Keras, users can wrap them within Keras customized layers, i.e. we can define the modules inside the `__init__` of Keras layer and call the modules in `call`.