# lda2vec Documentation

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# Contents

**1 Resources** **3**
1.1 API . . . . . 3
1.2 Indices and tables . . . . . 3

This is the documentation for lda2vec, a framework for useful flexible and interpretable NLP models.

Defining the model is simple and quick:

```
model = LDA2Vec(n_words, max_length, n_hidden, counts)
model.add_component(n_docs, n_topics, name='document id')
model.fit(clean, components=[doc_ids])
```

While visualizing the feature is similarly straightforward:

```
topics = model.prepare_topics('document_id', vocab)
prepared = pyLDAvis.prepare(topics)
pyLDAvis.display(prepared)
```

CHAPTER 1

# Resources

See this Jupyter Notebook for an example of an end-to-end demonstration.

See this presentation for a presentation focused on the benefits of word2vec, LDA, and lda2vec.

See the API reference docs

See the GitHub repo

## API

### lda2vec package

#### lda2vec.corpus module

#### lda2vec.dirichlet_likelihood module

#### lda2vec.embed_mixture module

#### lda2vec.fake_data module

#### lda2vec.lda2vec module

#### lda2vec.preprocess module

#### lda2vec.tracking module

## Indices and tables

- genindex
- modindex

- search