

QA Generation

This notebook shows how to use the `QAGenerationChain` to come up with question-answer pairs over a specific document. This is important because often times you may not have data to evaluate your question-answer system over, so this is a cheap and lightweight way to generate it!

```
from langchain.document_loaders import TextLoader
```

```
loader = TextLoader("../modules/state_of_the_union.txt")
```

```
doc = loader.load()[0]
```

```
from langchain.chat_models import ChatOpenAI
from langchain.chains import QAGenerationChain
chain = QAGenerationChain.from_llm(ChatOpenAI(temperature = 0))
```

```
qa = chain.run(doc.page_content)
```

```
qa[1]
```

```
{'question': 'What is the U.S. Department of Justice doing to combat the crimes of Russian oligarchs?',
 'answer': 'The U.S. Department of Justice is assembling a dedicated task force to go after the crimes of Russian oligarchs.'}
```