

Exercise 2

1. Create an account with AWS.
2. Navigate to Amazon Comprehend. Check the documentation under the 'DATA 690 Resources'.
3. Use the 'Digital_Press_Sentiment.txt' file to measure sentiment.
4. What are the entities and key phrases?

Key Phrases

▼ Results	
<div><input type="text" value="Search"/></div> <div>< 1 2 > ⚙</div>	
Key phrases ▼	Confidence ▼
the London-based Centre	0.99+
Economics and Business Research	0.97
a note	0.99+
Friday	0.99+
Disruption	0.99+
EU-UK trade	0.99+
the end	0.99+
the Brexit transition period	0.99+
December 31	0.99+
activity	0.99+

Entities **Key phrases** Language PII Sentiment Targeted sentiment Syntax

▼ Analyzed text

Survey figures show that the economy has experienced a serious shock as a result of the pandemic, which has been felt by countries around the world. UK finance minister Rishi Sunak said in a statement: "While there are some positive signs of the economy's resilience over the winter, we know that the current lockdown continues to have a significant impact on many people and businesses." The new national lockdown in the United Kingdom, imposed on January 5, is expected to hit the economy hard in the first quarter of 2021, reversing the return to growth in the fourth quarter of 2020. "It seems that a double dip [recession] was merely delayed rather than avoided outright," Sam Miley, an economist at the London-based Centre for Economics and Business Research said in a note on Friday. Disruption to EU-UK trade following the end of the Brexit transition period on December 31 is also weighing on activity.

▼ Results

Search		< 1 2 > ⌕	
Key phrases	▼	Confidence	▼
The United Kingdom		0.99+	
the worst recessions		0.99+	
major economies		0.99+	
last year		0.99+	
Germany		0.99+	
the pandemic		0.99+	
the global financial crisis		0.99+	
Provisional estimates		0.99+	
Europe		0.99+	
biggest economy		0.99+	
5%		0.99+	
last year		0.99+	
EU GDP		0.99+	
6.4%		0.99+	
Eurostat		0.99+	
The United States		0.99+	
comparison		0.99+	
GDP		0.99+	
3.5%		0.99+	
the prior year		0.99+	
Today		0.99+	
figures		0.99+	
the economy		0.99+	
a serious shock		0.99+	
a result		0.99+	
the pandemic		0.99+	
countries		0.99+	
the world		0.99+	
UK finance minister Rishi Sunak		0.99+	
a statement		0.99+	
some positive signs		0.99+	
the economy		0.99+	
resilience		0.99+	
the winter		0.99+	
the current lockdown		0.99+	
a significant impact		0.99+	
many people and businesses		0.99+	
The new national lockdown		0.99+	
the United Kingdom		0.99+	
January 5		0.99+	
the economy		0.99+	
the first quarter		0.99+	
2021		0.99+	
the return		0.99+	
growth		0.99+	
the fourth quarter		0.99+	
2020		0.99+	
a double dip [recession]		0.97	
Sam Miley		0.99+	
an economist		0.99+	

► Application integration Info

API call and API response of DetectKeyPhrases API

Input data

Supported languages [↗](#)

Analysis type [Info](#)

☒ Built-in

View real-time insights based on AWS built-in models.

☐ Custom

View real-time insights based on custom models from an endpoint you've created.

Input text

minister Rishi Sunak said in a statement. "While there are some positive signs of the economy's resilience over the winter, we know that the current lockdown continues to have a significant impact on many people and businesses."

The new national lockdown in the United Kingdom, imposed on January 5, is expected to hit the economy hard in the first quarter of 2021, reversing the return to growth in the fourth quarter of 2020.

"It seems that a double dip [recession] was merely delayed rather than avoided outright," Sam Miley, an economist at the London-based Centre for Economics and Business Research said in a note on Friday.

Disruption to EU-UK trade following the end of the Brexit transition period on December 31 is also weighing on activity.

1362 of 10000 characters used.

Clear text

Analyze

Insights [Info](#)

Entities

Key phrases

Language

PII

Sentiment

Targeted sentiment

Syntax

▼ Analyzed text

The United Kingdom suffered one of the worst recessions among major economies last year. Germany, for example, held up better in the pandemic than it did during the global financial crisis. Provisional estimates suggest Europe's biggest economy contracted by 5% last year. EU GDP, meanwhile, is expected to have shrunk 6.4%, according to Eurostat.

The United States fared even better by comparison, with GDP decreasing by 3.5% from the prior year.

"Today's figures show that the economy has experienced a serious shock as a result of the pandemic, which has been felt by countries around the world," UK finance minister Rishi Sunak said in a statement. "While there are some positive signs of the economy's resilience over the winter, we know that the current lockdown continues to have a significant impact on many people and businesses."

The new national lockdown in the United Kingdom, imposed on January 5, is expected to hit the economy hard in the first quarter of 2021, reversing the return to growth in the fourth quarter of 2020.

▼ Results

Q Search				< 1 > @
Entity	Type	Confidence		
last year	Date	0.99		
5%	Quantity	0.99		
last year	Date	0.99		
6.4%	Quantity	0.99		
3.5%	Quantity	0.99		
Rishi Sunak	Person	0.99		
United Kingdom	Location	0.99		
January 5	Date	0.99		
first quarter of 2021	Date	0.99		
fourth quarter of 2020	Date	0.99		
Sam Miley	Person	0.99		
Centre for Economics and Business Research	Organization	0.99		
Friday	Date	0.99		
December 31	Date	0.99		
EU	Organization	0.98		
Eurostat	Organization	0.98		
Today	Date	0.98		
Brexit	Event	0.98		
London	Location	0.98		
one	Quantity	0.94		
prior year	Date	0.92		
Germany	Organization	0.90		
pandemic	Event	0.88		
EU	Organization	0.88		
United States	Organization	0.87		
Europe	Organization	0.86		
finance minister	Person	0.80		