

Advance Internship@Clevered

Product Reviews Topic Analysis

App User Manual

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Acknowledgements

- A small vote of thanks for all who have helped you in this journey of App Development – my parents, Mr Ken, Clevered, Mani Malhotra, clevered.com etc.

About Me..

- Student's Photograph
- Student's Introduction
 - Aarav Gosai
 - Age : 11

About My Internship with Clevered..



Badges Earned

- Rockstar for attentiveness
- Rockstar for Project completion

About App..

- App's Main Menu

The screenshot shows a Jupyter Notebook interface with the title "Product Reviews Topic Analysis". The code cell contains Python code for topic modeling using LDA and gensim, followed by a call to display a dashboard. The dashboard visualization is partially visible at the bottom of the cell output.

```
dictionary = corpora.Dictionary(processed)
corpus = [dictionary.doc2bow(text) for text in processed]
lda = gensim.models.LdaModel(corpus, num_topics=self.topic_slider.value, id2word=dictionary, passes=10)

# 5. Display
pyLDAvis.enable_notebook()
display(pyLDAvis.display(gensimvis.prepare(lda, corpus, dictionary)))

dashboard = KeywordReviewDashboard()
```

File Path: /content/KB_Reviews_v0.2.xlsx
Search Topic: e.g. battery, camera
Sub-Topics: 5
Analyze Search Topic

- App's Introduction

The app is about Product Reviews Topic Analysis. In the app when the user provides a topic, it shows the reviews and analysis

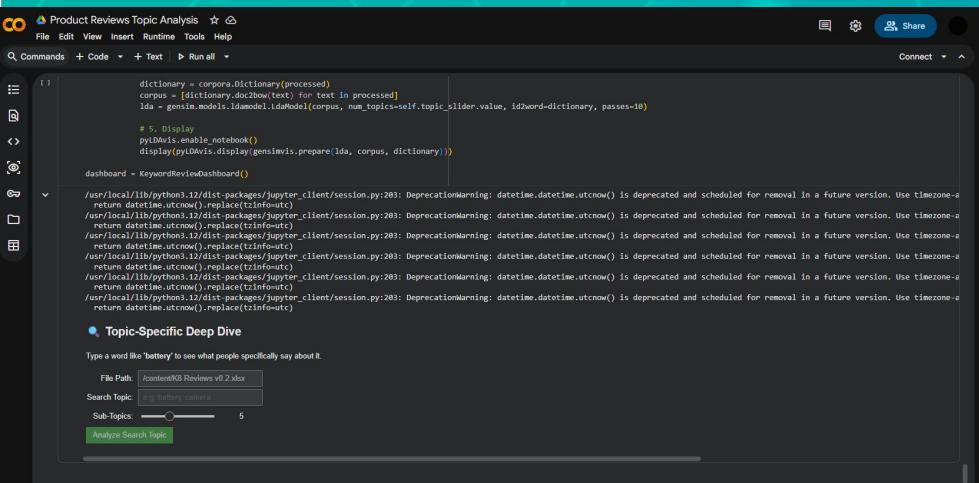
How do I use the App?

First the user should open collab, upload project in collab, run the code and it will give the user interface, then the user can any item the user wish to get a review of that product, user can also see what words are used to describe that particular product

Dependencies and Risks

(This will be repeated for each option of the App)

- Screenshot/ Pic of each option/screen of the App
- Steps to use the same
- Any special considerations/ dependencies/risks while using the option



The screenshot shows a Jupyter Notebook environment. The top navigation bar includes 'File', 'Edit', 'View', 'Insert', 'Runtime', 'Tools', and 'Help'. Below the menu is a toolbar with icons for 'Commands', 'Code', 'Text', and 'Run all'. The main area contains Python code for topic modeling:

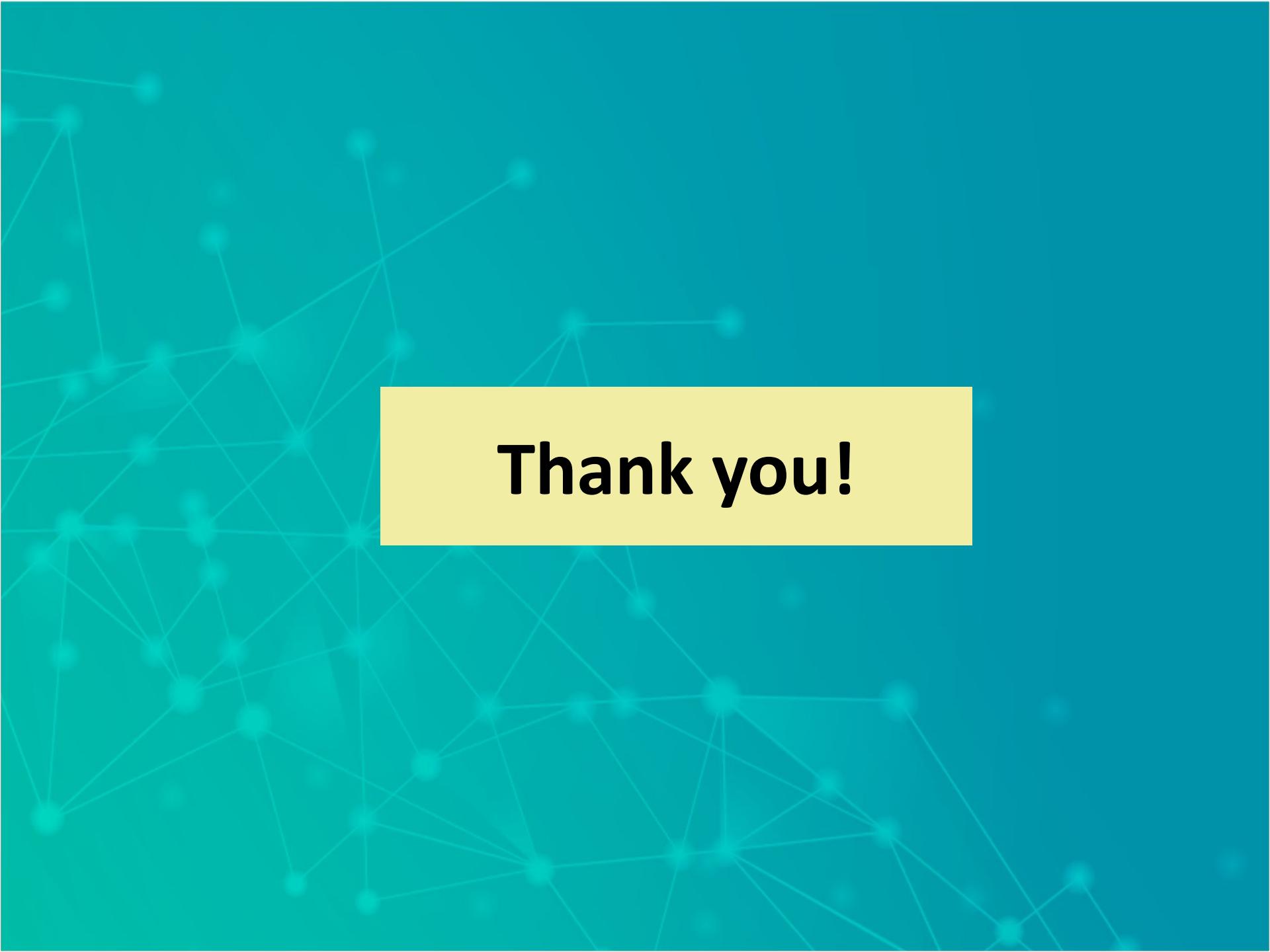
```
dictionary = corpora.Dictionary(processed)
corpus = [dictionary.doc2bow(text) for text in processed]
lda = gensim.models.LdaModel(corpus, num_topics=self.topic_slider.value, id2word=dictionary, passes=10)

# 5. Display
pyDavvis.enable_notebook()
display(pyDavvis.display(gensimvis.prepare(lda, corpus, dictionary)))
```

Below the code, a 'dashboard' variable is assigned to 'KeywordReviewDashboard()'. The bottom section of the notebook displays a visualization of word clouds for different topics, with a specific topic highlighted in green.

Contact Person

- Please reach out to Aarav Gosai at aarav.skillz@gmail.com for any questions/concerns/ suggestions on the App



Thank you!