

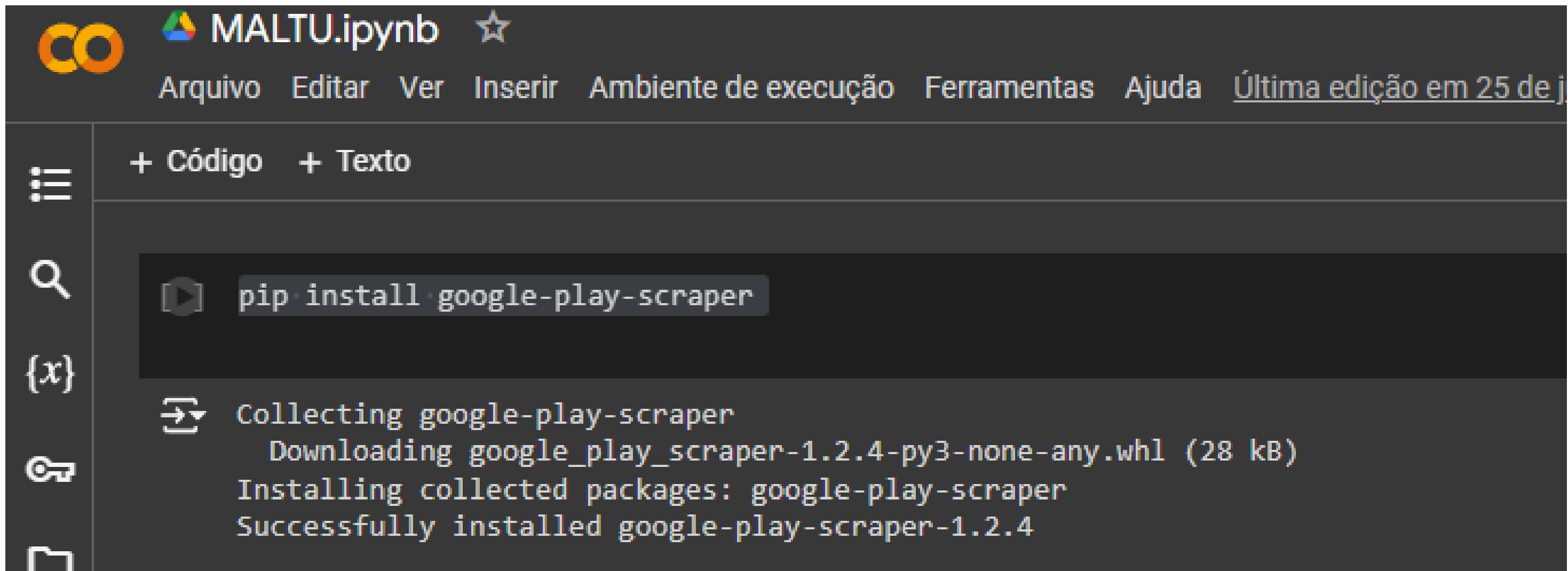
MALTU

Extração de Dados

Passo a Passo - Android

1) Abrir Notebook Colab

2) Instalar “pip install google-play-scraper”

A screenshot of the Google Colab web interface. The top bar shows the Colab logo, the file name 'MALTU.ipynb', and a star icon. Below this is a menu bar with options: 'Arquivo', 'Editar', 'Ver', 'Inserir', 'Ambiente de execução', 'Ferramentas', 'Ajuda', and 'Última edição em 25 de j'. The left sidebar contains icons for file management, search, and other tools. The main area shows a code cell with the command 'pip install google-play-scraper' entered. Below the code cell, the output is displayed, showing the process of collecting, downloading, and installing the package successfully.

```
pip install google-play-scraper
```

```
Collecting google-play-scraper
  Downloading google_play_scraper-1.2.4-py3-none-any.whl (28 kB)
Installing collected packages: google-play-scraper
Successfully installed google-play-scraper-1.2.4
```

3) Consultar “<https://pypi.org/project/google-play-scraper/>” para entender melhor a biblioteca

Passo a Passo

3) Colocar o seguinte código

```
from google_play_scraper import Sort, reviews

result, continuation_token = reviews(
    'hidratenow.com.hidrate.hidrateandroid', #link do aplicativo que você copia da play store
    lang='pt_BR', #linguagem \ pode adicionar outros só adicionar a sigla
    country='br', # país \ pode adicionar outros só adicionar a sigla
    sort=Sort.NEWEST, # mais recentes \ RELEVANT #mais relevantes
    count=50, # quantidade a ser coletado
    filter_score_with= None # None = todas as avaliações / Pode adicionar 1, 2, 3, 4, 5 (Estrelas)
)
```

4) No link do aplicativo, você pega na URL. A parte que deve ser pega tá em destaque

https://play.google.com/store/apps/details?id=com.dogbytegames.offtheroad&pcampaignid=merch_published_cluster_promotion_battlestar_browse_all_games

https://play.google.com/store/apps/details?id=com.supercell.clashroyale&pcampaignid=merch_published_cluster_promotion_battlestar_collection_new_games

Passo a Passo

5) Configurar o código da forma que quiser

- Você pode alterar a língua
- Você pode alterar o país
- Você pode alterar o “sort” para mais relevantes, mais recente ou não nenhum
- A quantidade de comentários a ser coletado
- E filtrar por avaliações

5) Executar o código e imprimir os resultados



```
print(result)
```

Passo a Passo

6) Transformar os resultados em planilha

```
[ ] import pandas as pd
```

```
[ ] planilha = pd.DataFrame(result)
```

```
[ ] planilha
```

```
[ ] planilha.to_excel("planilha googleplay.xlsx", index=False)
```

6) Baixar a planilha

Passo a Passo

Para baixar você deve ir em arquivos > pasta > planilha google play

The screenshot shows a file explorer on the left and a code editor on the right. The file explorer, titled 'Arquivos', shows a folder named 'sample_data' containing several files: 'README.md', 'anscombe.json', 'california_housing_test.csv', 'california_housing_train.csv', 'mnist_test.csv', 'mnist_train_small.csv', and 'planilha googleplay.xlsx'. The 'planilha googleplay.xlsx' file is highlighted. The code editor, titled '+ Código + Texto', shows a table with 4 columns and 3 rows of data. The table is displayed in a dark theme. Below the table, there is a 'Show 25 per page' dropdown and a link to a 'data table notebook'. At the bottom of the code editor, there is a code block with the following text:

```
planilha.to_excel("planilha googleplay.xlsx", index=False)
```

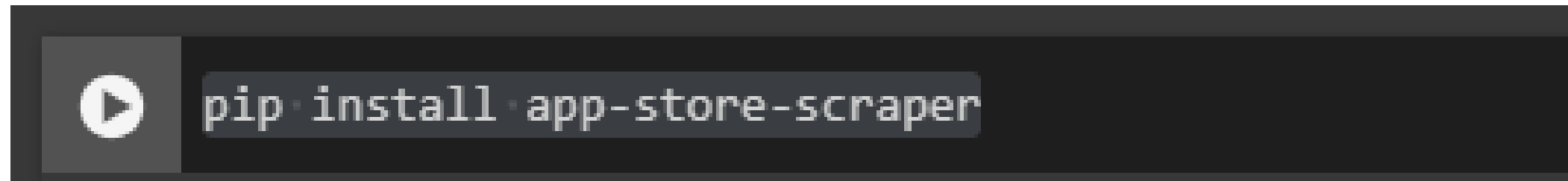
17	b868bfa0-76e9-45c2-a89e-3a630b3cefe2	Diego Silva	https://play-lh.googleusercontent.com/a/ACg8ocJ8IB74k
31	45e85c2b-3a16-4cbb-af5e-827258be2909	Gabriel Cristian	https://play-lh.googleusercontent.com/a/ACgvdoEK_afyeKHH6_QoYaQ=mo
48	40b6b879-146c-4660-8c7e-686771f38d6a	brayan coelho	https://play-lh.googleusercontent.com/a/ACgFISuLDAIzk1qf1D0Gt98uUBzBByipBS3HRM

```
planilha.to_excel("planilha googleplay.xlsx", index=False)
```

Passo a Passo - Android

1) Abrir Notebook Colab

2) Instalar “pip install app-store-scraper”

A screenshot of a terminal window with a dark background. On the left, there is a small square icon with a white play button symbol. To the right of this icon, the text "pip install app-store-scraper" is displayed in a light gray monospace font, appearing to be entered into the terminal.


3) Consultar “<https://pypi.org/project/app-store-scraper/>” para entender melhor a biblioteca

Passo a Passo - Android

4) Colocar o seguinte código

```
[ ] from app_store_scraper import AppStore
    variável link do aplicativo
    hydratespark = AppStore(country="us", app_name="hydratespark-water-tracker")
    hydratespark.review(how_many=200)
```

Exemplo de link

 <https://apps.apple.com/br/app/shazam/id284993459>

 <https://apps.apple.com/br/app/spotify-músicas-e-podcasts/id324684580>

Passo a Passo - Android

5) Executar código

6) Imprimir resultados e transformar em tabela

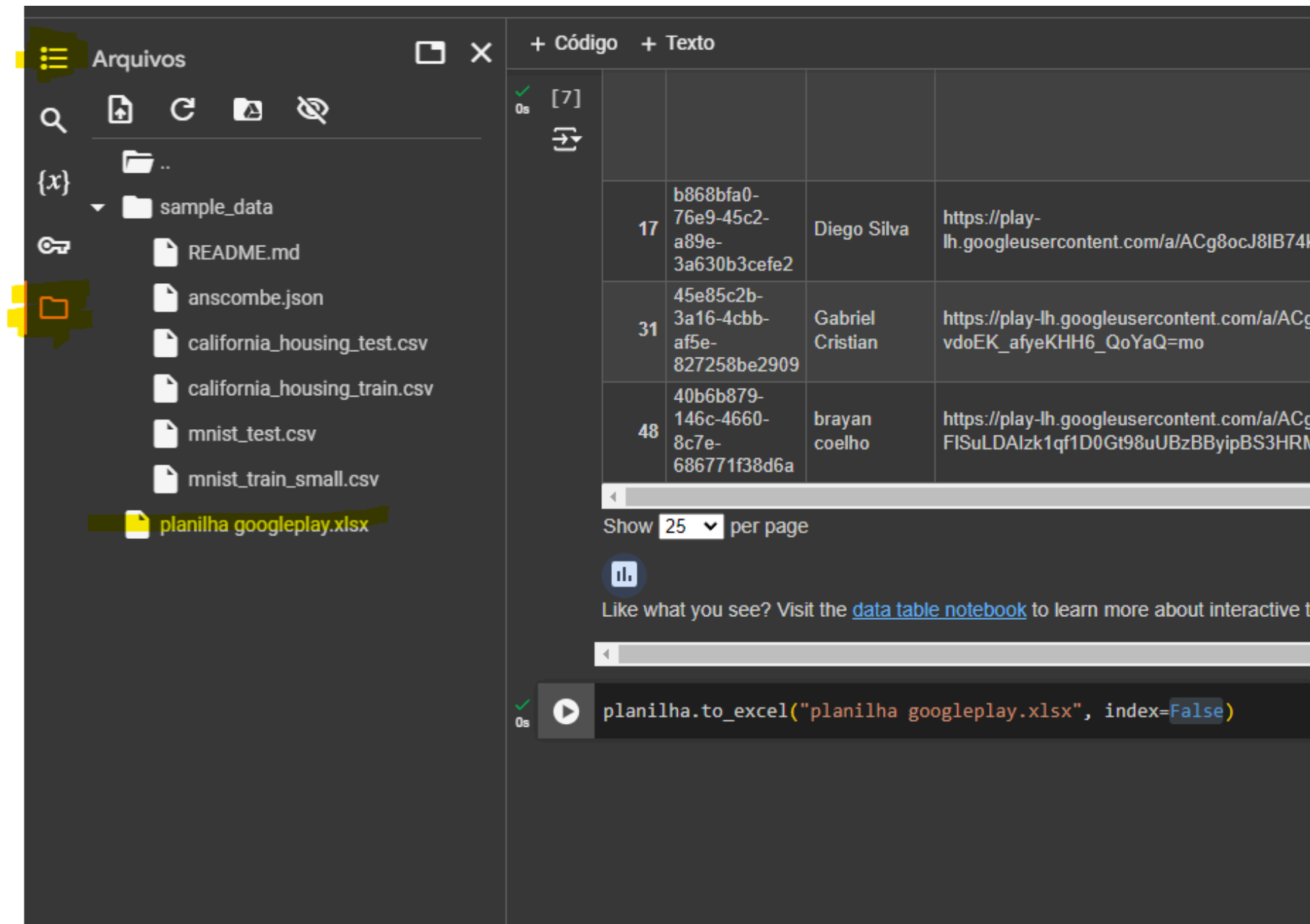
```
[ ] import pandas as pd

[ ] planilha = pd.DataFrame(hidratespark.reviews)

[ ] planilha.to_excel("planilha appstore.xlsx", index=False)
```

Passo a Passo - Android

7) Baixar tabela



The screenshot shows a Jupyter Notebook interface. On the left, a file explorer pane titled 'Arquivos' displays a directory structure with a folder named 'sample_data' and several files, including 'planilha googleplay.xlsx' which is highlighted. The main area of the notebook contains a data table with 4 columns. The first column lists row indices (17, 31, 48). The second column contains long alphanumeric strings. The third column lists names (Diego Silva, Gabriel Cristian, brayan coelho). The fourth column contains URLs. Below the table, there is a 'Show 25 per page' control and a link to a 'data table notebook'. At the bottom, a code cell shows the command 'planilha.to_excel("planilha googleplay.xlsx", index=False)'.

17	b868bfa0-76e9-45c2-a89e-3a630b3cefe2	Diego Silva	https://play-lh.googleusercontent.com/a/ACg8ocJ8IB74k
31	45e85c2b-3a16-4cbb-af5e-827258be2909	Gabriel Cristian	https://play-lh.googleusercontent.com/a/ACgvdoEK_afyeKHH6_QoYaQ=mo
48	40b6b879-146c-4660-8c7e-686771f38d6a	brayan coelho	https://play-lh.googleusercontent.com/a/ACgFISuLDAIzk1qf1D0Gt98uUBzBBypBS3HRM

```
planilha.to_excel("planilha googleplay.xlsx", index=False)
```