Introduction to Colab

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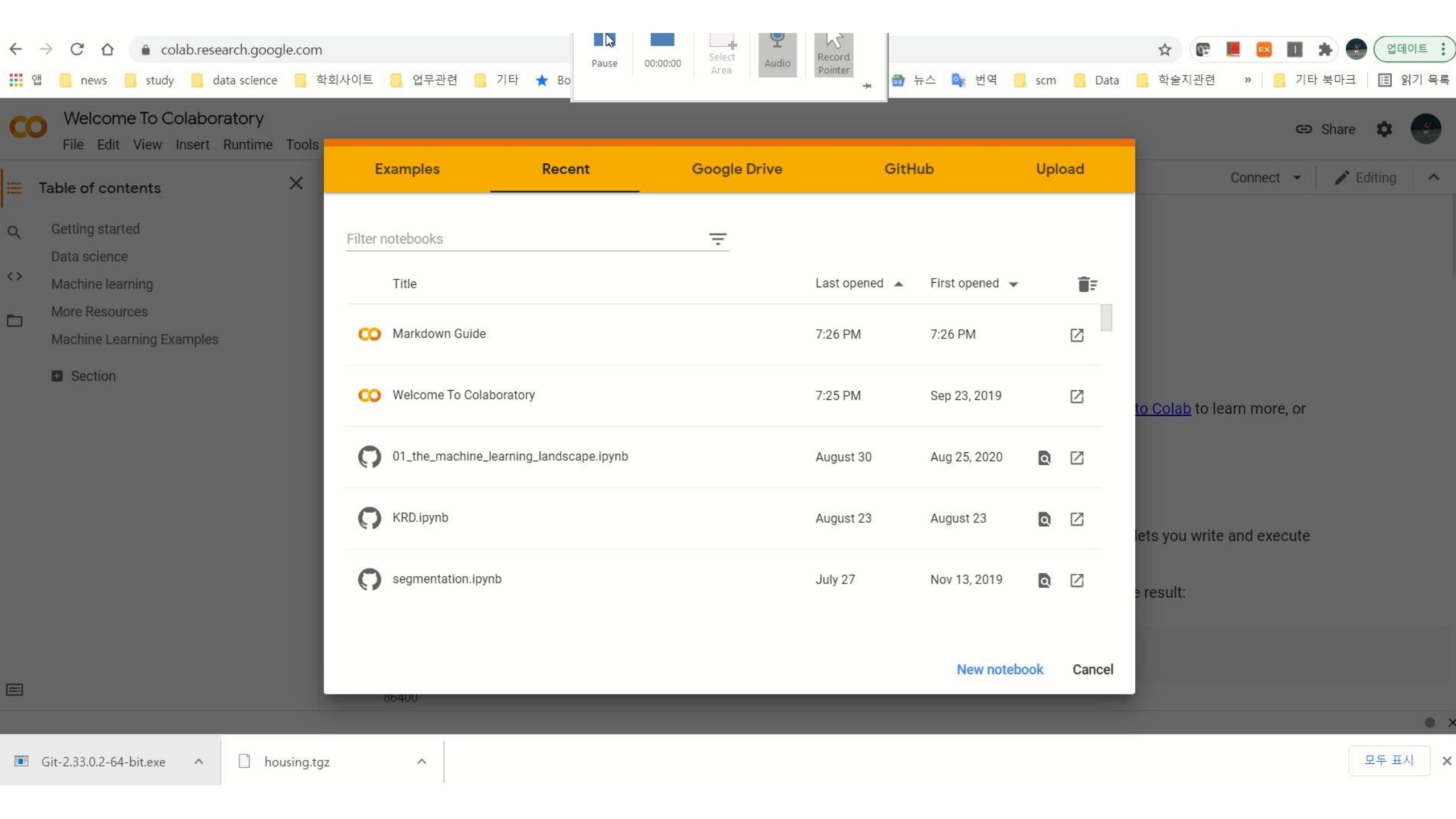
What is colab

- **Colaboratory (Colab) is a product from Google Research. Colab allows anybody to write and execute arbitrary python code through the browser**
- **Free to use, provide free GPU**
- **Colab notebooks are stored in Google Drive, or can be loaded from GitHub.**


colab.research.google.com
Pause
00:00:00
Select Area
Audio
Record Pointer
업데이트
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data science
학회사이트
업무관련
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KRD.ipynb
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lets you write and execute
result:
86400
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housing.tgz
모두 표시

Link to colab

- **For Python:**
https://colab.research.google.com/notebooks/intro.ipynb#recent=true

- **For R:**
https://colab.research.google.com/notebook#create=true&language=r

colab.research.google.com/drive/1hsTzNIbNoMsV59rvTRjsWWwPMyM44SBD#scrollTo=KHwaa_A3qzSF

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업데이트

Untitled5.ipynb

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Files

..
drive
MyDrive
Othercomputers
sample_data

Disk 70.81 GB available

+ Code + Text

RAM
Disk

Editing

```
1+1
```

0s

```
2
```

```
[2] import numpy
```

0s

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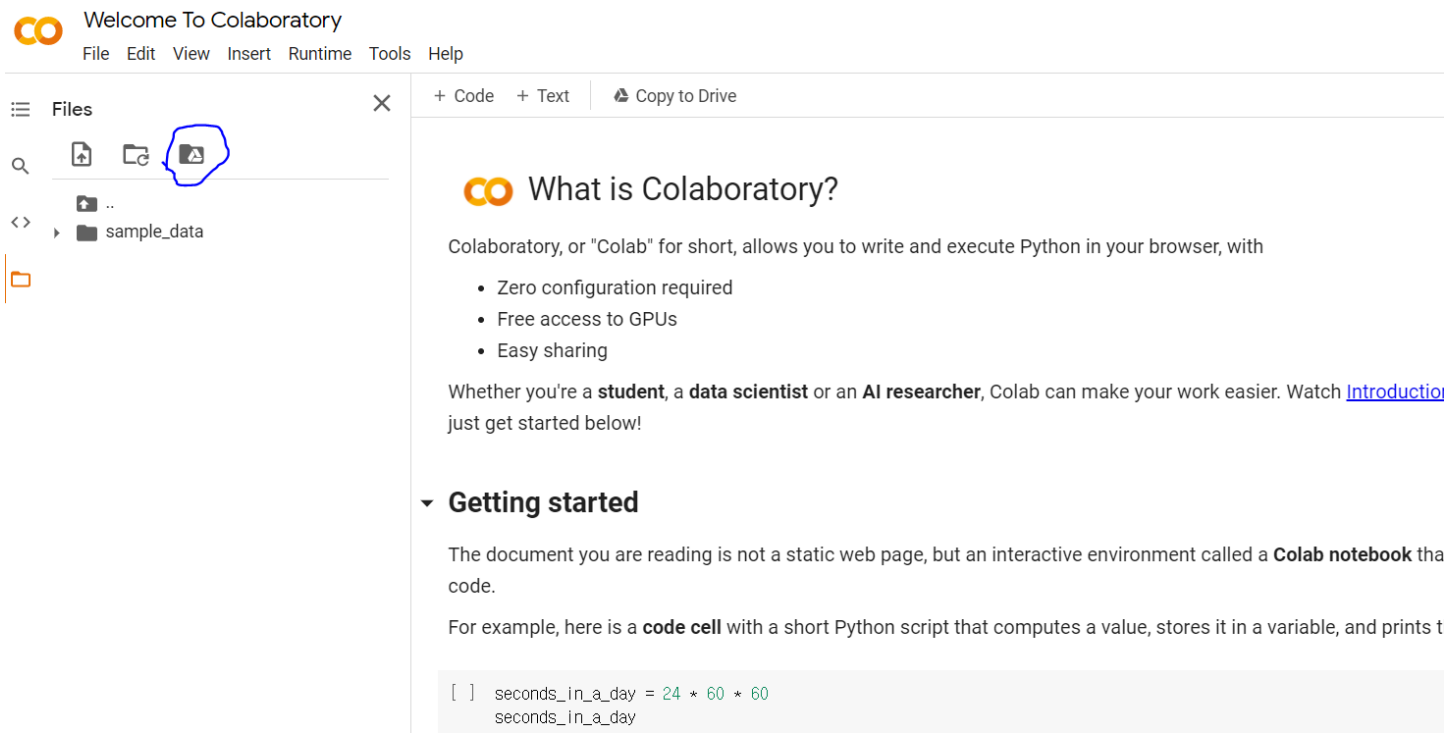
housing.tgz

모두 표시

How to mount data?

- **Python:**



- **R: make the data public and use gdown**

```
[6]  system("gdown --id [redacted]")
     data = read.csv("tmp.txt")
```

colab.research.google.com/drive/1GxlPBiHXjWv1QePE_Iv5rl7YxGFtRV-E#scrollTo=wvpbWZLysgqp

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R_prac.ipynb

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RAM Disk Editing

```
── Attaching packages ─────────────────────────────────────── tidyverse 1.3.1 ──
✓ ggplot2 3.3.5     ✓ purrr   0.3.4
✓ tibble  3.1.3     ✓ dplyr   1.0.7
✓ tidyr   1.1.3     ✓ stringr 1.4.0
✓ readr   2.0.1     ✓ forcats 0.5.1

── Conflicts ────────────────────────────────────────── tidyverse_conflicts() ──
✕ dplyr::filter() masks stats::filter()
✕ dplyr::lag()    masks stats::lag()
```

[2]
```
1+1
```
```
2
```

[3]
```
a = c(1,2,3,4)
```

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Thank you!