

[Release notes](#) 

...

Suggested code may be subject to a license | [stack overflow.com/questions/72154060/breast-cancer-dataset-in-python](https://stackoverflow.com/questions/72154060/breast-cancer-dataset-in-python)

```
import pandas as pd
df=pd.read_csv('cancer.csv')
df.head()
```



	<b>Id</b>	<b>Diagnosis</b>	<b>Radius (mean)</b>	<b>Texture (mean)</b>	<b>Perimeter (mean)</b>	<b>Area (mean)</b>
--	-----------	------------------	--------------------------	---------------------------	-----------------------------	------------------------

<b>0</b>	8510426	B	13.540	14.36	87.46	566.3
<b>1</b>	8510653	B	13.080	15.71	85.63	520.0
<b>2</b>	8510824	B	9.504	12.44	60.34	273.9
<b>3</b>	854941	B	13.030	18.42	82.61	523.8
<b>4</b>	85713702	B	8.196	16.84	51.71	201.9

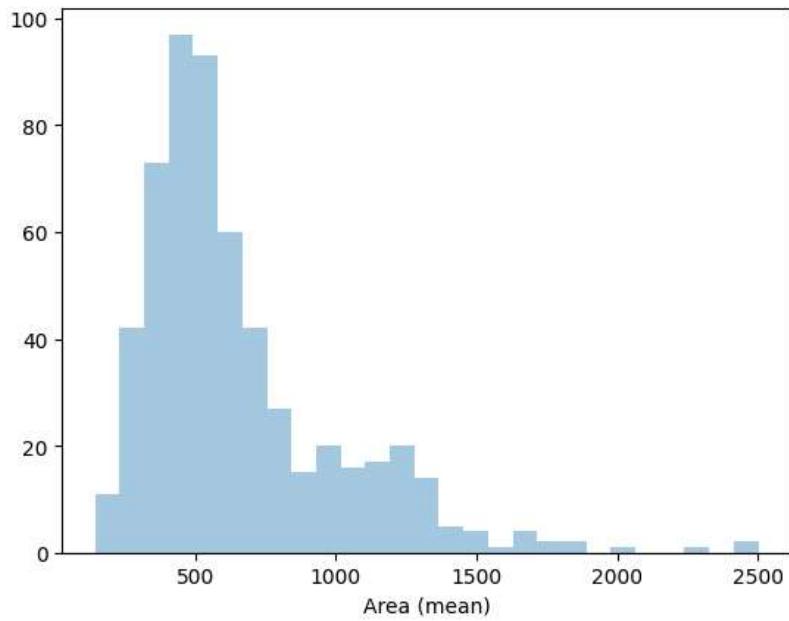
5 rows × 32 columns

```
import seaborn as sns
sns.distplot(df['Area (mean)'], kde=False)
```

```
<ipython-input-7-c5446759e0b6>:2: UserWarning:  
`distplot` is a deprecated function and will be removed in  
Please adapt your code to use either `displot` (a figure-level  
similar flexibility) or `histplot` (an axes-level function
```

For a guide to updating your code to use the new functions,  
<https://gist.github.com/mwaskom/de44147ed2974457ad6372750bb>

```
sns.distplot(df['Area (mean)'], kde=False)  
<Axes: xlabel='Area (mean)'>
```



```
df['Perimeter (mean)'].max()
```

```
188.5
```

```
sns.kdeplot(data=df['Area (mean)'], shade=True,)
```

Please follow our [blog](#) to see more information about new features, tips and tricks, and featured notebooks such as [Analyzing a Bank Failure with Colab](#).

## 2024-09-23

- Improved code snippet search
- Updated Marketplace image and public local runtime container
- Improved the look-and-feel of interactive form dropdowns and checkboxes
- Fixed bugs
  - activating the skip link caused the notebook to scroll out of view
  - toggling a checkbox too much caused the page to crash
  - lightning fast drags could cause orphaned tabs
  - custom widgets snippet would show for local runtimes

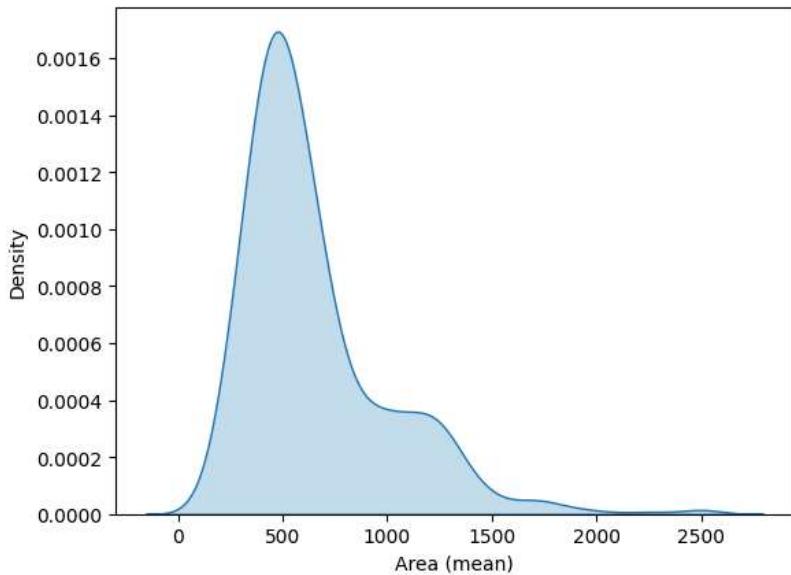
### Python package upgrades

- accelerate 0.32.1 → 0.34.2
- arviz 0.18.0 → 0.19
- autograd 1.6.2 → 1.7.0
- bigframes 1.14.0 → 1.18.0
- dask 2024.7.1 → 2024.8.0
- distributed 2024.7.1 → 2024.8.0
- duckdb 0.10.3 → 1.1.0
- earthengine-api 0.1.416 → 1.0.0
- flax 0.8.4 → 0.8.5
- gdown 5.1.0 → 5.2.0
- geemap 0.33.1 → 0.34.3
- geopandas 0.14.4 → 1.0.1
- google-cloud-aiplatform 1.59.0 → 1.67.1
- google-cloud-bigquery-storage 2.25.0 → 2.26.0
- holidays 0.54 → 0.57
- huggingface-hub 0.23.5 → 0.24.7
- ibis-framework 8.0.0 → 9.2.0
- jax 0.4.26 → 0.4.33
- jaxlib 0.4.26 → 0.4.33
- kagglehub 0.2.9 → 0.3.0
- lightgbm 4.4.0 → 4.5.0
- matplotlib-venn 0.11.10 → 1.1.1
- mizani 0.9.3 → 0.11.4
- Pillow 9.4.0 → 10.4.0
- plotly 5.15.0 → 5.24.1
- plotnine 0.12.4 → 0.13.6
- polars 0.20.2 → 1.6.0
- progressbar2 4.2.0 → 4.5.0
- PyDrive2 1.6.3 → 1.20.0
- pymc 5.10.4 → 5.16.2
- pytensor 2.18.6 → 2.25.4
- scikit-image 0.23.2 → 0.24.0
- scikit-learn 1.3.2 → 1.5.2
- torch 2.3.1 → 2.4.1
- torchaudio 2.3.1 → 2.4.1

```
<ipython-input-25-acb62086df64>:1: FutureWarning:
```

`shade` is now deprecated in favor of `fill`; setting `fill`  
This will become an error in seaborn v0.14.0; please update

```
sns.kdeplot(data=df['Area (mean)'], shade=True,)  
<Axes: xlabel='Area (mean)', ylabel='Density'>
```



```
sns.jointplot(x=df['Perimeter (mean)'], y=df['Area (mean)'], ki
```

- torchvision 0.18.1 -> 0.19.1
- transformers 4.42.4 -> 4.44.2
- urllib3 2.0.7 -> 2.2.3
- xarray 2024.6.0 -> 2024.9.0

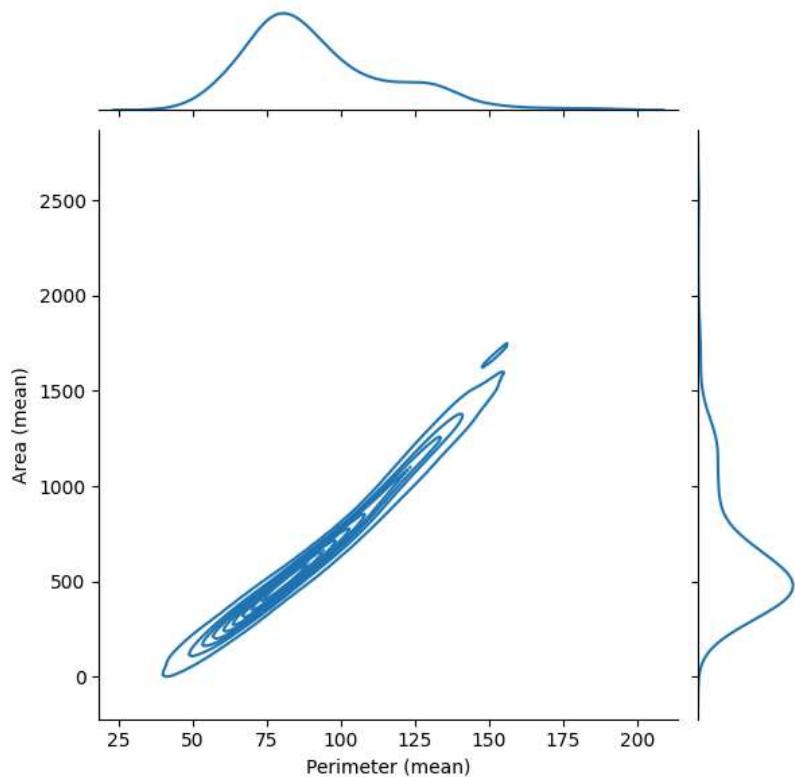
#### Python package inclusions

- bigquery-magics 0.2.0

### 2024-08-20

- TPU memory usage and utilization can now be checked with !tpu-info
- Gemini Chat responses are now grounded in relevant sources
- Added a new "Create Gemini API key" link in the user secrets panel
- Added a new "Gemini: Creating a prompt" snippet and touched up the existing "Gemini: Connecting to Gemini" snippet
- Added the ability to specify custom placeholder text for various interactive form params (see [examples](#))
- Keyboard navigation a11y improvements to comments UI
- Various minor rendering improvements to interactive forms UI
- A11y improvements for the run button and header
- Updated tooltip styling
- A11y improvements for the file browser's disk usage bar
- On mobile, tooltips now trigger on long press
- On mobile, release notes updates will no longer display automatically
- Python package upgrades
  - astropy 5.3.4 -> 6.1.2
  - bigframes 1.11.1 -> 1.14.0
  - bokeh 3.3.4 -> 3.4.3
  - dask 2023.8.1 -> 2024.7.1
  - earthengine-api 0.1.412 -> 0.1.416
  - geopandas 0.13.2 -> 0.14.4
  - kagglehub 0.2.8 -> 0.2.9
  - keras 2.15.0 -> 3.4.1
  - lightgbm 4.1.0 -> 4.4.0
  - malloy 2023.1067 -> 2024.1067
  - numba 0.58.1 -> 0.60.0
  - numpy 1.25.2 -> 1.26.4
  - opencv-python 4.8.0.76 -> 4.10.0.84
  - pandas 2.0.3 -> 2.1.4
  - pandas-gbq 0.19.2 -> 0.23.1
  - panel 1.3.8 -> 1.4.5
  - requests 2.31.0 -> 2.32.3
  - scikit-learn 1.2.2 -> 1.3.2
  - scipy 1.11.4 -> 1.13.1

```
<seaborn.axisgrid.JointGrid at 0x78b844736440>
```



```
df1=pd.read_csv('cancer_m.csv')
df1.head()
```

```
<pre>
```

	<b><i>Id</i></b>	<b><i>Diagnosis</i></b>	<b><i>Radius (mean)</i></b>	<b><i>Texture (mean)</i></b>	<b><i>Perimeter (mean)</i></b>	<b><i>Area (mean)</i></b>
<b>0</b>	842302	M	17.99	10.38	122.80	1001.0
<b>1</b>	842517	M	20.57	17.77	132.90	1326.0
<b>2</b>	84300903	M	19.69	21.25	130.00	1203.0
<b>3</b>	84348301	M	11.42	20.38	77.58	386.1
<b>4</b>	84358402	M	20.29	14.34	135.10	1297.0

5 rows × 32 columns

```
import seaborn as sns
sns.distplot(df1['Area (mean)'], kde=False)
```

- tensorflow 2.15.2 -> 2.17.0
- tensorflow 2.15.0 -> 2.17.0
- tf-keras 2.15.1 -> 2.17.0
- xarray 2023.7.0 -> 2024.6.0
- xgboost 2.0.3 -> 2.1.1

- Python package inclusions
  - einops 0.8.0

## 2024-07-22

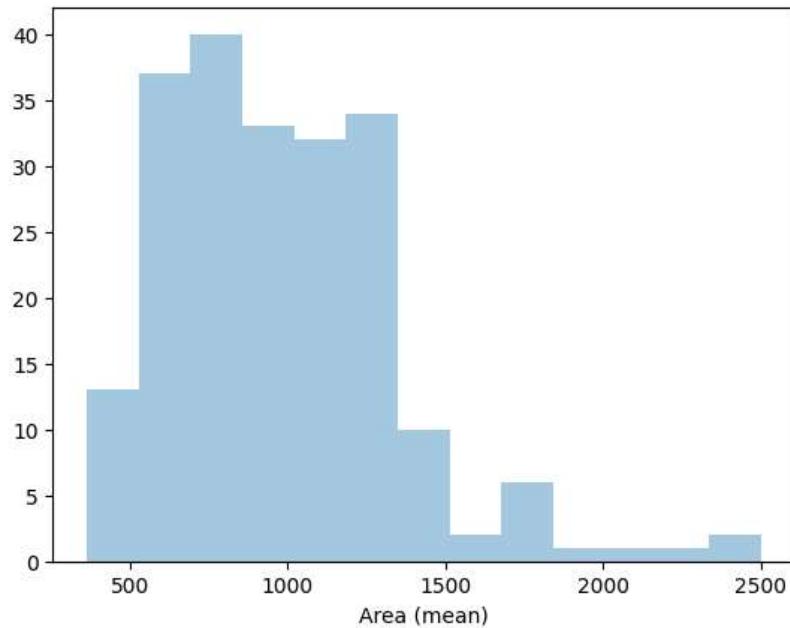
- You can now embed Google sheets directly into Colab to streamline interactions with data with `InteractiveSheet`.
- Example:

```
from google.colab import sheets
sh = sheets.InteractiveSheet()
df = sh.as_df()
```

- Fixed multiple rendering bugs in cell editors with wide text content (i.e. text is no longer hidden or clipped)
- Fixed multiple accessibility issues in Colab's comments feature (e.g. proper keyboard focus management, added accessibility landmarks, etc)
- Fixed bug where AI code generation would fail for extremely long broken code snippets
- Fixed multiple scrollbar bugs in the user secrets panel
- Added the ability for workspace admin to purchase Colab Pro and Pro+ Subscriptions for users
- Fixed bug where user secrets couldn't be moved to a tab
- Fixed several focus management accessibility issues in tabs, the table of contents, the left toolbar, and the run button
- Fixed bug where overflowing cells may be omitted when pasting from Google Sheets
- Fixed bug where the generate code button did not activate on touch
- Python package upgrades
  - bigframes 1.9.0 -> 1.11.1
  - cvxpy 1.3.4 -> 1.5.2
  - earthengine-api 0.1.408 -> 0.1.412
  - google-api-core 2.11.1 -> 2.19.1
  - google-api-python-client 2.84.0 -> 2.137.0
  - google-cloud-aiplatform 1.56.0 -> 1.59.0
  - google-cloud-bigquery 3.21.0 -> 3.25.0
  - google-cloud-core 2.3.3 -> 2.4.1

```
<ipython-input-30-e3d81fcf7e6>:2: UserWarning:
`distplot` is a deprecated function and will be removed in
Please adapt your code to use either `displot` (a figure-level
similar flexibility) or `histplot` (an axes-level function
For a guide to updating your code to use the new functions,
https://gist.github.com/mwaskom/de44147ed2974457ad6372750bb
```

```
sns.distplot(df1['Area (mean)'], kde=False)
<Axes: xlabel='Area (mean)'>
```



```
df2=pd.read_csv('cancer_b.csv')
df2.head()
```

	<b>Id</b>	<b>Diagnosis</b>	<b>Radius (mean)</b>	<b>Texture (mean)</b>	<b>Perimeter (mean)</b>	<b>Area (mean)</b>
0	8510426	B	13.540	14.36	87.46	566.3
1	8510653	B	13.080	15.71	85.63	520.0
2	8510824	B	9.504	12.44	60.34	273.9
3	854941	B	13.030	18.42	82.61	523.8
4	85713702	B	8.196	16.84	51.71	201.9

5 rows × 32 columns

- google-cloud-datastore 2.15.2 -> 2.19.0
- google-cloud-firestore 2.11.1 -> 2.16.1
- google-cloud-functions 1.13.3 -> 1.16.4
- google-generativeai 0.5.4 -> 0.7.2
- kagglehub 0.2.5 -> 0.2.8
- pip 23.1.2 -> 24.1.2
- setuptools 67.7.2 -> 71.0.4
- sympy 1.12.1 -> 1.13.1
- torch 2.3.0 -> 2.3.1
- transformers 4.41.2 -> 4.42.4
- Python package inclusions
  - accelerate 0.32.1

## 2024-06-18

- Inline AI completions are now available to users on the free-of-charge tier
- Reduced latency for LSP and terminal connections
- Improved quality of inline completions
- Visual improvements to switch controls across Colab
- Various bug fixes, performance and a11y improvements to the user secrets panel
- Improved tooltip UX behavior
- Improved behavior when copying data from Google Sheets and pasting in Colab
- Scroll to cell fixes for single tabbed view and jump to cell command
- Improved tab header behavior
- A11y improvements for notebook-focused cells
- Python package upgrades
  - torch 2.2.1 -> 2.3.0
  - torchaudio 2.2.1 -> 2.3.0
  - torchvision 0.17.1 -> 0.18.0
  - torchtext 0.17.1 -> 0.18.0
  - google-cloud-aiplatform 1.51.0 -> 1.56.0
  - bigframes 1.5.0 -> 1.8.0
  - regex 2023.12.25 -> 2024.5.15

## 2024-05-13

- Code actions are now supported to automatically improve and refactor code. Code actions can be triggered by the keyboard shortcut "Ctrl/⌘ + ."
- Python package upgrades
  - bigframes 1.0.0 -> 1.5.0
  - google-cloud-aiplatform 1.47.0 -> 1.51.0

```
sns.distplot(a=df2['Area (mean)'], label='Malignant', kde=False)
sns.distplot(a=df1['Area (mean)'], label='Benign', kde=False)
sns.distplot(a=df['Area (mean)'], label='all', kde=False)
```

- jax[tpu] 0.4.23 → 0.4.26

- Python package inclusions

- cudf 24.4.1

## 2024-04-15

- TPU v2 runtime is now available
- L4 runtime is now available for paid users
- New distributed fine-tuning Gemma tutorial on TPUs ([GitHub](#))
- Symbol rename is now supported with keyboard shortcut F2
- Fixed bug causing inability to re-upload deleted files
- Fixed breaking bug in colabtools %upload\_files\_async
- Added syntax highlighting to %%writefile cells
- Cuda dependencies that come with Torch are cached for faster downloads for packages that require Torch and its dependencies ([GitHub issue](#))
- Python package upgrades
  - bigframes 0.24.0 → 1.0.0
  - duckdb 0.9.2 → 0.10.1
  - google-cloud-aiplatform 1.43.0 -> 1.47.0
  - jax 0.4.23 → 0.4.26

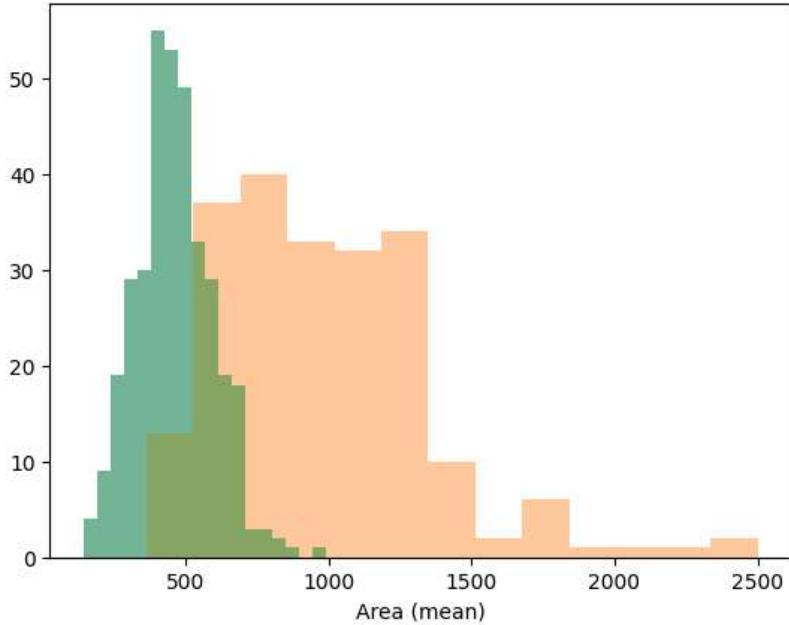
## 2024-03-13

- Fixed bug that sometimes caused UserSecrets to move / disappear
- Improved messaging for mounting drive in an unsupported environment ([GitHub issue](#))
- Python package upgrades
  - torch 2.1.0 → 2.2.1
  - torchaudio 2.1.0 -> 2.2.1
  - torchvision 0.16.0 -> 0.17.1
  - torchtext 0.16.0 -> 0.17.1
  - PyMC 5.7.2 -> 5.10.4
  - BigFrames 0.21.0 -> 0.24.0
  - google-cloud-aiplatform 1.42.1 -> 1.43.0
  - tornado 6.3.2 -> 6.3.3

## 2024-02-21

- Try out Gemma on [Colab!](#)
- Allow unicode in form text inputs
- Display documentation and link to source when displaying functions
- Display image-like ndarrays as images
- Improved UX around quick charts and execution error suggestions

```
<ipython-input-33-a697259c5862>:1: UserWarning:  
`distplot` is a deprecated function and will be removed in  
Please adapt your code to use either `displot` (a figure-level  
similar flexibility) or `histplot` (an axes-level function  
For a guide to updating your code to use the new functions,  
https://gist.github.com/mwaskom/de44147ed2974457ad6372750bb  
  
sns.distplot(a=df2['Area (mean)'], label='Malignant', kde=False)  
<ipython-input-33-a697259c5862>:2: UserWarning:  
`distplot` is a deprecated function and will be removed in  
Please adapt your code to use either `displot` (a figure-level  
similar flexibility) or `histplot` (an axes-level function  
For a guide to updating your code to use the new functions,  
https://gist.github.com/mwaskom/de44147ed2974457ad6372750bb  
  
sns.distplot(a=df1['Area (mean)'], label='Benign', kde=False)  
<ipython-input-33-a697259c5862>:3: UserWarning:  
`distplot` is a deprecated function and will be removed in  
Please adapt your code to use either `displot` (a figure-level  
similar flexibility) or `histplot` (an axes-level function  
For a guide to updating your code to use the new functions,  
https://gist.github.com/mwaskom/de44147ed2974457ad6372750bb  
  
sns.distplot(a=df['Area (mean)'], label='all', kde=False)  
<Axes: xlabel='Area (mean)'>
```



- Released Marketplace image for the month of February ([GitHub issue](#))
- Python package upgrades
  - bigframes 0.19.2 → 0.21.0
  - regex 2023.6.3 → 2023.12.25
  - spacy 3.6.1 → 3.7.4
  - beautifulsoup4 4.11.2 → 4.12.3
  - tensorflow-probability 0.22.0 → 0.23.0
  - google-cloud-language 2.9.1 → 2.13.1
  - google-cloud-aiplatform 1.39.0 → 1.42.1
  - transformers 4.35.2 → 4.37.2
  - pyarrow 10.0.1 → 14.0.2

## 2024-01-29

- New [Kaggle Notebooks <> Colab updates!](#) Now you can:
  - Import directly from Colab without having to download/re-upload
  - Upload via link, by pasting Google Drive or Colab URLs
  - Export & run Kaggle Notebooks on Colab with 1 click
- Try these notebooks that talk to Gemini:
  - [Gemini and Stable Diffusion](#)
  - [Learning with Gemini and ChatGPT](#)
  - [Talk to Gemini with Google's Speech to Text API](#)
  - [Sell lemonade with Gemini and Sheets](#)
  - [Generate images with Gemini and Vertex](#)
- Python package upgrades
  - google-cloud-aiplatform 1.38.1 → 1.39.0
  - bigframes 0.18.0 → 0.19.2
  - polars 0.17.3 → 0.20.2
  - gdown 4.6.6 → 4.7.3 ([GitHub issue](#))
  - tensorflow-hub 0.15.0 → 0.16.0
  - flax 0.7.5 → 0.8.0
- Python package inclusions
  - sentencepiece 0.1.99

## 2024-01-08

- Avoid nested scrollbars for large outputs by using `google.colab.output.no_vertical_Example notebook`
- Fix [bug](#) where downloading models from Hugging Face could freeze
- Python package upgrades

```
sns.kdeplot(data=df2['Area (mean)'], shade=True)
sns.kdeplot(data=df1['Area (mean)'], shade=True)
sns.kdeplot(data=df['Area (mean)'], shade=True)
```

<ipython-input-38-4e20baa57196>:1: FutureWarning:

`shade` is now deprecated in favor of `fill`; setting `fill`  
This will become an error in seaborn v0.14.0; please update

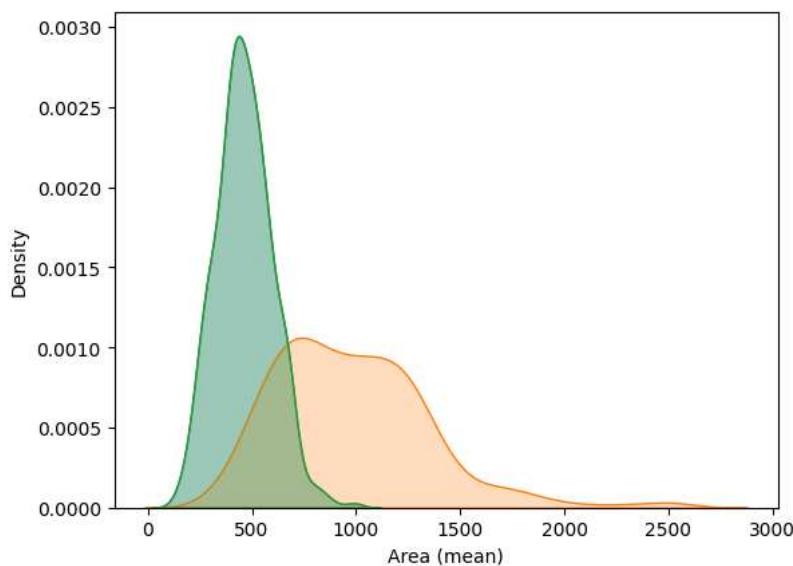
```
sns.kdeplot(data=df2['Area (mean)'], shade=True)
<ipython-input-38-4e20baa57196>:2: FutureWarning:
```

`shade` is now deprecated in favor of `fill`; setting `fill`  
This will become an error in seaborn v0.14.0; please update

```
sns.kdeplot(data=df1['Area (mean)'], shade=True)
<ipython-input-38-4e20baa57196>:3: FutureWarning:
```

`shade` is now deprecated in favor of `fill`; setting `fill`  
This will become an error in seaborn v0.14.0; please update

```
sns.kdeplot(data=df['Area (mean)'], shade=True)
<Axes: xlabel='Area (mean)', ylabel='Density'>
```



```
sns.distplot(a=df2['Radius (worst)'], label='Malignant', kde=False)
sns.distplot(a=df1['Radius (worst)'], label='Benign', kde=False)
sns.distplot(a=df['Radius (worst)'], label='all', kde=False)
```

- huggingface-hub 0.19.4 → 0.20.2
- bigframes 0.17.0 → 0.18.0

## 2023-12-18

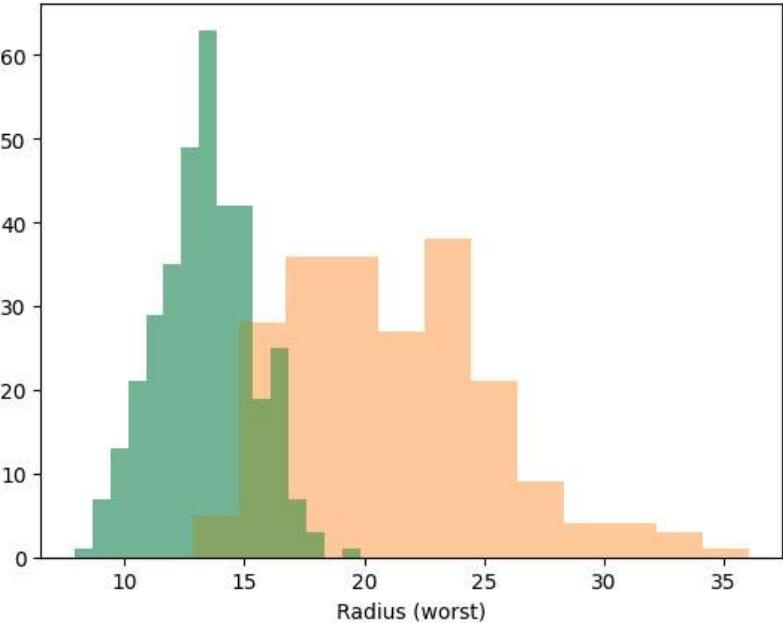
- Expanded access to AI coding has arrived in Colab across 175 locales for all tiers of Colab users
- Improvements to display of ML-based inline completions (for eligible Pro/Pro+ users)
- Started a series of [notebooks](#) highlighting Gemini API capabilities
- Enable ⌘/Ctrl+L to select the full line in an editor
- Fixed [bug](#) where we weren't correctly formatting output from multiple execution results
- Python package upgrades
  - CUDA 11.8 to CUDA 12.2
  - tensorflow 2.14.0 → 2.15.0
  - tensorboard 2.14.0 → 2.15.0
  - keras 2.14.0 → 2.15.0
  - Nvidia drivers 525.105.17 → 535.104.05
  - tensorflow-gcs-config 2.14.0 → 2.15.0
  - bigframes 0.13.0 → 0.17.0
  - geemap 0.28.2 → 0.29.6
  - pyarrow 9.0.0 → 10.0.1
  - google-generativeai 0.2.2 → 0.3.1
  - jax 0.4.20 → 0.4.23
  - jaxlib 0.4.20 → 0.4.23
- Python package inclusions
  - kagglehub 0.1.4
  - google-cloud-aiplatform 1.38.1

## 2023-11-27

- Removed warning when calling await to make it render as code
- Added "Run selection" to the cell context menu
- Added highlighting for the %python cell magic
- Launched AI coding features for Pro/Pro+ users in more locales
- Python package upgrades
  - bigframes 0.12.0 → 0.13.0
- Python package inclusions
  - transformers 4.35.2
  - google-generativeai 0.2.2

## 2023-11-08

- Launched Secrets, for safe storage of private keys on Colab ([tweet](#))

```
<ipython-input-39-3c1c65293e00>:1: UserWarning:  
`distplot` is a deprecated function and will be removed in  
Please adapt your code to use either `displot` (a figure-level  
similar flexibility) or `histplot` (an axes-level function  
For a guide to updating your code to use the new functions,  
https://gist.github.com/mwaskom/de44147ed2974457ad6372750bb  
  
sns.distplot(a=df2['Radius (worst)'], label='Malignant',  
<ipython-input-39-3c1c65293e00>:2: UserWarning:  
`distplot` is a deprecated function and will be removed in  
Please adapt your code to use either `displot` (a figure-level  
similar flexibility) or `histplot` (an axes-level function  
For a guide to updating your code to use the new functions,  
https://gist.github.com/mwaskom/de44147ed2974457ad6372750bb  
  
sns.distplot(a=df1['Radius (worst)'], label='Benign', kde=False,  
<ipython-input-39-3c1c65293e00>:3: UserWarning:  
`distplot` is a deprecated function and will be removed in  
Please adapt your code to use either `displot` (a figure-level  
similar flexibility) or `histplot` (an axes-level function  
For a guide to updating your code to use the new functions,  
https://gist.github.com/mwaskom/de44147ed2974457ad6372750bb  
  
sns.distplot(a=df['Radius (worst)'], label='all', kde=False,  
Axes: xlabel='Radius (worst)'  

```

- Fixed issue where TensorBoard would not load ([#3990](#))
- Python package upgrades
  - lightgbm 4.0.0 → 4.1.0
  - bigframes 0.10.0 → 0.12.0
  - bokeh 3.2.2 → 3.3.0
  - duckdb 0.8.1 → 0.9.1
  - numba 0.56.4 → 0.58.1
  - tweepy 4.13.0 → 4.14.0
  - jax 0.4.16 → 0.4.20
  - jaxlib 0.4.16 → 0.4.20

## 2023-10-23

- Updated the **Open notebook** dialog for better usability and support for smaller screen sizes
- Added smart paste support for data from Google Sheets for R notebooks
- Enabled showing release notes in a tab
- Launched AI coding features for Pro/Pro+ users in Australia AU Canada CA India IN and Japan JP ([tweet](#))
- Python package upgrades
  - earthengine-api 0.1.357 → 0.1.375
  - flax 0.7.2 → 0.7.4
  - geemap 0.27.4 → 0.28.2
  - jax 0.4.14 → 0.4.16
  - jaxlib 0.4.14 → 0.4.16
  - keras 2.13.1 → 2.14.0
  - tensorboard 2.13.0 → 2.14.1
  - tensorflow 2.13.0 → 2.14.0
  - tensorflow-gcs-config 2.13.0 → 2.14.0
  - tensorflow-hub 0.14.0 → 0.15.0
  - tensorflow-probability 0.20.1 → 0.22.0
  - torch 2.0.1 → 2.1.0
  - torchaudio 2.0.2 → 2.1.0
  - torchtext 0.15.2 → 0.16.0
  - torchvision 0.15.2 → 0.16.0
  - xgboost 1.7.6 → 2.0.0
- Python package inclusions
  - bigframes 0.10.0
  - malloy 2023.1056

## 2023-09-22

- Added the ability to scope an AI generated suggestion to a specific Pandas dataframe ([tweet](#))
- Added Colab link previews to Docs ([tweet](#))
- Added smart paste support for data from Google Sheets
- Increased font size of dropdowns in interactive forms
- Improved rendering of the notebook when printing

```
sns.kdeplot(data=df1['Radius (worst)'], shade=True)
sns.kdeplot(data=df1['Radius (worst)'], shade=True)
sns.kdeplot(data=df['Radius (worst)'], shade=True)
```

<ipython-input-40-df1536038111>:1: FutureWarning:

`shade` is now deprecated in favor of `fill`; setting `fill`  
This will become an error in seaborn v0.14.0; please update

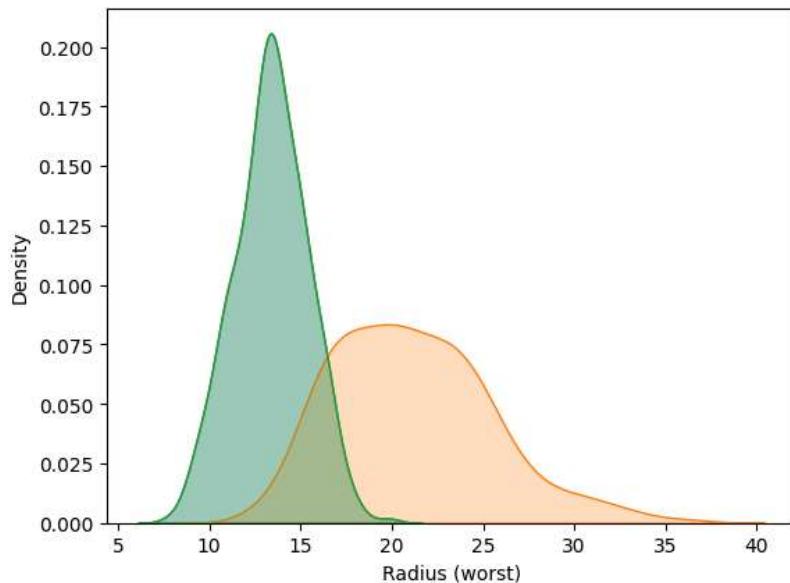
```
sns.kdeplot(data=df2['Radius (worst)'], shade=True)
<ipython-input-40-df1536038111>:2: FutureWarning:
```

`shade` is now deprecated in favor of `fill`; setting `fill`  
This will become an error in seaborn v0.14.0; please update

```
sns.kdeplot(data=df1['Radius (worst)'], shade=True)
<ipython-input-40-df1536038111>:3: FutureWarning:
```

`shade` is now deprecated in favor of `fill`; setting `fill`  
This will become an error in seaborn v0.14.0; please update

```
sns.kdeplot(data=df['Radius (worst)'], shade=True)
<Axes: xlabel='Radius (worst)', ylabel='Density'>
```



- Python package upgrades

- tensorflow 2.12.0 → 2.13.0
- tensorboard 2.12.3 → 2.13.0
- keras 2.12.0 → 2.13.1
- tensorflow-gcs-config 2.12.0 → 2.13.
- scipy 1.10.1 → 1.11.2
- cython 0.29.6 → 3.0.2

- Python package inclusions

- geemap 0.26.0

## 2023-08-18

- Added "Change runtime type" to the menu in the connection button
- Improved auto-reconnection to an already running notebook ([#3764](#))
- Increased the specs of our highmem machines for Pro users
- Fixed add-apt-repository command on Ubuntu 22.04 runtime ([#3867](#))
- Python package upgrades

- bokeh 2.4.3 → 3.2.2
- cmake 3.25.2 → 3.27.2
- cryptography 3.4.8 → 41.0.3
- dask 2022.12.1 → 2023.8.0
- distributed 2022.12.1 → 2023.8.0
- earthengine-api 0.1.358 → 0.1.364
- flax 0.7.0 → 0.7.2
- ipython-sql 0.4.0 → 0.5.0
- jax 0.4.13 → 0.4.14
- jaxlib 0.4.13 → 0.4.14
- lightgbm 3.3.5 → 4.0.0
- mkl 2019.0 → 2023.2.0
- notebook 6.4.8 → 6.5.5
- numpy 1.22.4 → 1.23.5
- opencv-python 4.7.0.72 → 4.8.0.76
- pillow 8.4.0 → 9.4.0
- plotly 5.13.1 → 5.15.0
- prettytable 0.7.2 → 3.8.0
- pytensor 2.10.1 → 2.14.2
- spacy 3.5.4 → 3.6.1
- statsmodels 0.13.5 → 0.14.0
- xarray 2022.12.0 → 2023.7.0

- Python package inclusions

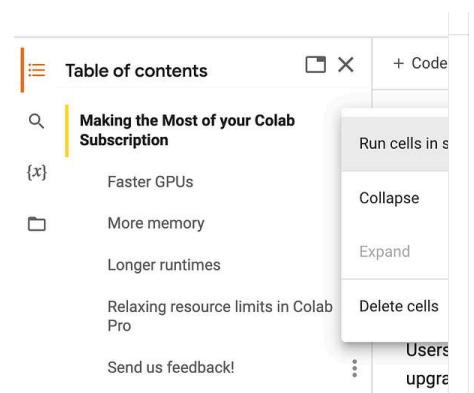
- PyDrive2 1.6.3

## 2023-07-21

- Launched auto-plotting for dataframes, available using the chart button that shows up alongside datatables ([post](#))



- Added a menu to the table of contents to support running a section or collapsing/expanding sections ([post](#))



- Added an option to automatically run the first cell or section, available under Edit -> Notebook settings ([post](#))

#### Notebook settings

Runtime type  
Python 3

Hardware accelerator  
None

Automatically run the first cell or section  
 Omit code cell output when saving this notebook

- Launched Pro/Pro+ to Algeria, Argentina, Chile, Ecuador, Egypt, Ghana, Kenya, Malaysia, Nepal, Nigeria, Peru, Rwanda, Saudi Arabia, South Africa, Sri Lanka, Tunisia, and Ukraine ([tweet](#))
- Added a command, "Toggle tab moves focus" for toggling tab trapping in the editor (Tools -> Command palette, "Toggle tab moves focus")
- Fixed issue where `files.upload()` was sometimes returning an incorrect filename ([#1550](#))
- Fixed f-string syntax highlighting bug ([#3802](#))
- Disabled ambiguous characters highlighting for commonly used LaTeX characters ([#3648](#))
- Upgraded Ubuntu from 20.04 LTS to [22.04 LTS](#)
- Updated the Colab Marketplace VM image
- Python package upgrades:
  - autograd 1.6.1 -> 1.6.2
  - drivefs 76.0 -> 77.0
  - flax 0.6.11 -> 0.7.0
  - earthengine-api 0.1.357 -> 0.1.358
  - GDAL 3.3.2->3.4.3
  - google-cloud-bigquery-storage 2.20.0 -> 2.22.2
  - gspread-dataframe 3.0.8 -> 3.3.1
  - holidays 0.27.1 -> 0.29
  - jax 0.4.10 -> jax 0.4.13
  - jaxlib 0.4.10 -> jax 0.4.13
  - jupyterlab-widgets 3.0.7 -> 3.0.8

- nbformat 5.9.0 → 5.9.1
- opencv-python-headless 4.7.0.72 → 4.8.0.74
- pygame 2.4.0 → 2.5.0
- spacy 3.5.3 → 3.5.4
- SQLAlchemy 2.0.16 → 2.0.19
- tabulate 0.8.10 → 0.9.0
- tensorflow-hub 0.13.0 → 0.14.0

## 2023-06-23

- Launched AI coding features to subscribed users starting with Pro+ users in the US ([tweet](#), [post](#))
- Added the Kernel Selector in the Notebook Settings ([tweet](#))
- Fixed double space trimming issue in markdown [#3766](#)
- Fixed run button indicator not always centered [#3609](#)
- Fixed inconsistencies for automatic indentation on multi-line [#3697](#)
- Upgraded Python from 3.10.11 to 3.10.12
- Python package updates:
  - duckdb 0.7.1 → 0.8.1
  - earthengine-api 0.1.350 → 0.1.357
  - flax 0.6.9 → 0.6.11
  - google-cloud-bigquery 3.9.0 → 3.10.0
  - google-cloud-bigquery-storage 2.19.1 → 2.20.0
  - grpcio 1.54.0 → 1.56.0
  - holidays 0.25 → 0.27.1
  - nbformat 5.8.0 → 5.9.0
  - prophet 1.1.3 → 1.1.4
  - pydata-google-auth 1.7.0 → 1.8.0
  - spacy 3.5.2 → 3.5.3
  - tensorboard 2.12.2 → 2.12.3
  - xgboost 1.7.5 → 1.7.6
- Python package inclusions:
  - gcsfs 2023.6.0
  - geopandas 0.13.2
  - google-cloud-bigquery-connection 1.12.0
  - google-cloud-functions 1.13.0
  - grpc-google-iam-v1 0.12.6
  - multidict 6.0.4
  - tensorboard-data-server 0.7.1

## 2023-06-02

- Released the new site [colab.google](#)
- Published Colab's Docker runtime image to us-docker.pkg.dev/colab-images/public/runtime ([tweet](#), [instructions](#))
- Launched support for Google children accounts ([tweet](#))
- Launched DagsHub integration ([tweet](#), [post](#))

- Upgraded to Monaco Editor Version 0.37.1
- Fixed various Vim keybinding bugs
- Fixed issue where the N and P letters sometimes couldn't be typed ([#3664](#))
- Fixed rendering support for compositional inputs ([#3660](#), [#3679](#))
- Fixed lag in notebooks with lots of cells ([#3676](#))
- Improved support for R by adding a Runtime type notebook setting (Edit -> Notebook settings)
- Improved documentation for connecting to a local runtime (Connect -> Connect to a local runtime)
- Python package updates:
  - holidays 0.23 -> 0.25
  - jax 0.4.8 -> 0.4.10
  - jaxlib 0.4.8 -> 0.4.10
  - pip 23.0.1 -> 23.1.2
  - tensorflow-probability 0.19.0 -> 0.20.1
  - torch 2.0.0 -> 2.0.1
  - torchaudio 2.0.1 -> 2.0.2
  - torchdata 0.6.0 -> 0.6.1
  - torchtext 0.15.1 -> 0.15.2
  - torchvision 0.15.1 -> 0.15.2
  - tornado 6.2 -> 6.3.1

## 2023-05-05

- Released GPU type selection for paid users, allowing them to choose a preferred NVidia GPU
- Upgraded R from 4.2.3 to 4.3.0
- Upgraded Python from 3.9.16 to 3.10.11
- Python package updates:
  - attrs 22.2.0 -> attrs 23.1.0
  - earthengine-api 0.1.349 -> earthengine-api 0.1.350
  - flax 0.6.8 -> 0.6.9
  - grpcio 1.53.0 -> 1.54.0
  - nbclient 0.7.3 -> 0.7.4
  - tensorflow-datasets 4.8.3 -> 4.9.2
  - termcolor 2.2.0 -> 2.3.0
  - zict 2.2.0 -> 3.0.0

## 2023-04-14

- Python package updates:
  - google-api-python-client 2.70.0 -> 2.84.0
  - google-auth-oauthlib 0.4.6 -> 1.0.0
  - google-cloud-bigquery 3.4.2 -> 3.9.0
  - google-cloud-datastore 2.11.1 -> 2.15.1
  - google-cloud-firestore 2.7.3 -> 2.11.0

- google-cloud-language 2.6.1 -> 2.9.1
- google-cloud-storage 2.7.0 -> 2.8.0
- google-cloud-translate 3.8.4 -> 3.11.1
- networkx 3.0 -> 3.1
- notebook 6.3.0 -> 6.4.8
- jax 0.4.7 -> 0.4.8
- pandas 1.4.4 -> 1.5.3
- spacy 3.5.1 -> 3.5.2
- SQLAlchemy 1.4.47 -> 2.0.9
- xgboost 1.7.4 -> 1.7.5

## 2023-03-31

- Improve bash ! syntax highlighting ([GitHub issue](#))
- Fix bug where VIM keybindings weren't working in the file editor
- Upgraded R from 4.2.2 to 4.2.3
- Python package updates:
  - arviz 0.12.1 -> 0.15.1
  - astropy 4.3.1 -> 5.2.2
  - dopamine-rl 1.0.5 -> 4.0.6
  - gensim 3.6.0 -> 4.3.1
  - ipykernel 5.3.4 -> 5.5.6
  - ipython 7.9.0 -> 7.34.0
  - jax 0.4.4 -> 0.4.7
  - jaxlib 0.4.4 -> 0.4.7
  - jupyter\_core 5.2.0 -> 5.3.0
  - keras 2.11.0 -> 2.12.0
  - lightgbm 2.2.3 -> 3.3.5
  - matplotlib 3.5.3 -> 3.7.1
  - nltk 3.7 -> 3.8.1
  - opencv-python 4.6.0.66 -> 4.7.0.72
  - plotly 5.5.0 -> 5.13.1
  - pymc 4.1.4 -> 5.1.2
  - seaborn 0.11.2 -> 0.12.2
  - spacy 3.4.4 -> 3.5.1
  - sympy 1.7.1 -> 1.11.1
  - tensorboard 2.11.2 -> 2.12.0
  - tensorflow 2.11.0 -> 2.12.0
  - tensorflow-estimator 2.11.0 -> 2.12.0
  - tensorflow-hub 0.12.0 -> 0.13.0
  - torch 1.13.1 -> 2.0.0
  - torchaudio 0.13.1 -> 2.0.1
  - torchtext 0.14.1 -> 0.15.1
  - torchvision 0.14.1 -> 0.15.1

## 2023-03-10

- Added the [Colab editor shortcuts](#) example notebook
- Fixed triggering of @-mention and email autocomplete for large comments ([GitHub issue](#))
- Added View Resources to the Runtime menu
- Made file viewer images fit the view by default, resizing to original size on click

- When in VIM mode, enable copy as well as allowing propagation to monaco-vim to escape visual mode ([GitHub issue](#))
- Upgraded CUDA 11.6.2 -> 11.8.0 and cuDNN 8.4.0.27 -> 8.7.0.84
- Upgraded Nvidia drivers 525.78.01 -> 530.30.02
- Upgraded Python 3.8.10 -> 3.9.16
- Python package updates:
  - beautifulsoup4 4.6.3 -> 4.9.3
  - bokeh 2.3.3 -> 2.4.3
  - debugpy 1.0.0 -> 1.6.6
  - Flask 1.1.4 -> 2.2.3
  - jax 0.3.25 -> 0.4.4
  - jaxlib 0.3.25 -> 0.4.4
  - Jinja2 2.11.3 -> 3.1.2
  - matplotlib 3.2.2 -> 3.5.3
  - nbconvert 5.6.1 -> 6.5.4
  - pandas 1.3.5 -> 1.4.4
  - pandas-datareader 0.9.0 -> 0.10.0
  - pandas-profiling 1.4.1 -> 3.2.0
  - Pillow 7.1.2 -> 8.4.0
  - plotnine 0.8.0 -> 0.10.1
  - scikit-image 0.18.3 -> 0.19.3
  - scikit-learn 1.0.2 -> 1.2.2
  - scipy 1.7.3 -> 1.10.1
  - setuptools 57.4.0 -> 63.4.3
  - sklearn-pandas 1.8.0 -> 2.2.0
  - statsmodels 0.12.2 -> 0.13.5
  - urllib3 1.24.3 -> 1.26.14
  - Werkzeug 1.0.1 -> 2.2.3
  - wrapt 1.14.1 -> 1.15.0
  - xgboost 0.90 -> 1.7.4
  - xlrd 1.2.0 -> 2.0.1

## 2023-02-17

- Show graphs of RAM and disk usage in notebook toolbar
- Copy cell links directly to the clipboard instead of showing a dialog when clicking on the link icon in the cell toolbar
- Updated the [Colab Marketplace VM image](#)
- Upgraded CUDA to 11.6.2 and cuDNN to 8.4.0.27
- Python package updates:
  - tensorflow 2.9.2 -> 2.11.0
  - tensorboard 2.9.1 -> 2.11.2
  - keras 2.9.0 -> 2.11.0
  - tensorflow-estimator 2.9.0 -> 2.11.0
  - tensorflow-probability 0.17.0 -> 0.19.0
  - tensorflow-gcs-config 2.9.0 -> 2.11.0
  - earthengine-api 0.1.339 -> 0.1.341
  - flatbuffers 1.12 -> 23.1.21

- platformdirs 2.6.2 → 3.0.0
- pydata-google-auth 1.6.0 → 1.7.0
- python-utils 3.4.5 → 3.5.2
- tenacity 8.1.0 → 8.2.1
- tifffile 2023.1.23.1 → 2023.2.3
- notebook 5.7.16 → 6.3.0
- tornado 6.0.4 → 6.2
- aiohttp 3.8.3 → 3.8.4
- charset-normalizer 2.1.1 → 3.0.1
- fastai 2.7.0 → 2.7.1
- soundfile 0.11.0 → 0.12.1
- typing-extensions 4.4.0 → 4.5.0
- widgetsnbextension 3.6.1 → 3.6.2
- pydantic 1.10.4 → 1.10.5
- zipp 3.12.0 → 3.13.0
- numpy 1.21.6 → 1.22.4
- drivefs 66.0 → 69.0
- gdal 3.0.4 → 3.3.2 [GitHub issue](#)
- Added libudunits2-dev for smoother R package installs [GitHub issue](#)

## 2023-02-03

- Improved tooltips for pandas series to show common statistics about the series object
- Made the forms dropdown behave like an autocomplete box when it allows input
- Updated the nvidia driver from 460.32.03 to 510.47.03
- Python package updates:
  - absl-py 1.3.0 → 1.4.0
  - bleach 5.0.1 → 6.0.0
  - cachetools 5.2.1 → 5.3.0
  - cmdstanpy 1.0.8 → 1.1.0
  - dnspython 2.2.1 → 2.3.0
  - fsspec 2022.11.0 → 2023.1.0
  - google-cloud-bigquery-storage 2.17.0 → 2.18.1
  - holidays 0.18 → 0.19
  - jupyter-core 5.1.3 → 5.2.0
  - packaging 21.3 → 23.0
  - prometheus-client 0.15.0 → 0.16.0
  - pyct 0.4.8 → 0.5.0
  - pydata-google-auth 1.5.0 → 1.6.0
  - python-slugify 7.0.0 → 8.0.0
  - sqlalchemy 1.4.46 → 2.0.0
  - tensorflow-io-gcs-filesystem 0.29.0 → 0.30.0
  - tifffile 2022.10.10 → 2023.1.23.1
  - zipp 3.11.0 → 3.12.0
  - Pinned sqlalchemy to version 1.4.46

## 2023-01-12

- Added support for @-mention and email autocomplete in comments
- Improved errors when GitHub notebooks can't be loaded

- Increased color contrast for colors used for syntax highlighting in the code editor
- Added terminal access for custom GCE VM runtimes
- Upgraded Ubuntu from 18.04 LTS to 20.04 LTS ([GitHub issue](#))
- Python package updates:
  - GDAL 2.2.2 -> 2.2.3.
  - NumPy from 1.21.5 to 1.21.6.
  - attrs 22.1.0 -> 22.2.0
  - chardet 3.0.4 -> 4.0.0
  - cloudpickle 1.6.0 -> 2.2.0
  - filelock 3.8.2 -> 3.9.0
  - google-api-core 2.8.2 -> 2.11.0
  - google-api-python-client 1.12.11 -> 2.70.0
  - google-auth-httplib2 0.0.3 -> 0.1.0
  - google-cloud-bigquery 3.3.5 -> 3.4.1
  - google-cloud-datastore 2.9.0 -> 2.11.0
  - google-cloud-firebase 2.7.2 -> 2.7.3
  - google-cloud-storage 2.5.0 -> 2.7.0
  - holidays 0.17.2 -> holidays 0.18
  - importlib-metadata 5.2.0 -> 6.0.0
  - networkx 2.8.8 -> 3.0
  - opencv-python-headless 4.6.0.66 -> 4.7.0.68
  - pip 21.1.3 -> 22.0.4
  - pip-tools 6.2.0 -> 6.6.2
  - prettytable 3.5.0 -> 3.6.0
  - requests 2.23.0 -> 2.25.1
  - termcolor 2.1.1 -> 2.2.0
  - torch 1.13.0 -> 1.13.1
  - torchaudio 0.13.0 -> 0.13.1
  - torchtext 0.14.0 -> 0.14.1
  - torchvision 0.14.0 -> 0.14.1

## 2022-12-06

- Made fallback runtime version available until mid-December ([GitHub issue](#))
- Upgraded to Python 3.8 ([GitHub issue](#))
- Python package updates:
  - jax from 0.3.23 to 0.3.25, jaxlib from 0.3.22 to 0.3.25
  - pyarrow from 6.0.1 to 9.0.0
  - torch from 1.12.1 to 1.13.0
  - torchaudio from 0.12.1 to 0.13.0
  - torchvision from 0.13.1 to 0.14.0
  - torchtext from 0.13.1 to 0.14.0
  - xlrd from 1.1.0 to 1.2.0
  - DriveFS from 62.0.1 to 66.0.3
- Made styling of markdown tables in outputs match markdown tables in text cells

- Improved formatting for empty interactive table rows
- Fixed syntax highlighting for variables with names that contain Python keywords ([GitHub issue](#))

## 2022-11-11

- Added more dark editor themes for Monaco (when in dark mode, "Editor colorization" appears as an option in the Editor tab of the Tools → Settings dialog)
- Fixed bug where collapsed forms were deleted on mobile ([GitHub issue](#))
- Python package updates:
  - rpy2 from 3.4.0 to 3.5.5 ([GitHub issue](#))
  - notebook from 5.5.0 to 5.7.16
  - tornado from 5.1.1 to 6.0.4
  - tensorflow\_probability from 0.16.0 to 0.17.0
  - pandas-gbq from 0.13.3 to 0.17.9
  - protobuf from 3.17.3 to 3.19.6
  - google-api-core[grpc] from 1.31.5 to 2.8.2
  - google-cloud-bigquery from 1.21.0 to 3.3.5
  - google-cloud-core from 1.0.1 to 2.3.2
  - google-cloud-datastore from 1.8.0 to 2.9.0
  - google-cloud-firebase from 1.7.0 to 2.7.2
  - google-cloud-language from 1.2.0 to 2.6.1
  - google-cloud-storage from 1.18.0 to 2.5.0
  - google-cloud-translate from 1.5.0 to 3.8.4

## 2022-10-21

- Launched a single-click way to get from BigQuery to Colab to further explore query results ([announcement](#))
- Launched [Pro, Pro+, and Pay As You Go](#) to 19 additional countries: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czechia, Denmark, Estonia, Finland, Greece, Hungary, Latvia, Lithuania, Norway, Portugal, Romania, Slovakia, Slovenia, and Sweden ([tweet](#))
- Updated jax from 0.3.17 to 0.3.23, jaxlib from 0.3.15 to 0.3.22, TensorFlow from 2.8.2 to 2.9.2, CUDA from 11.1 to 11.2, and cuDNN from 8.0 to 8.1 ([backend-info](#))
- Added a readonly option to [drive.mount](#)
- Fixed bug where Xarray was not working ([GitHub issue](#))

- Modified Markdown parsing to ignore block quote symbol within MathJax ([GitHub issue](#))

## 2022-09-30

- Launched [Pay As You Go](#), allowing premium GPU access without requiring a subscription
- Added vim and tcilib to our runtime image
- Fixed bug where open files were closed on kernel disconnect ([GitHub issue](#))
- Fixed bug where the play button/execution indicator was not clickable when scrolled into the cell output ([GitHub issue](#))
- Updated the styling for form titles so that they avoid obscuring the code editor
- Created a GitHub repo, [backend-info](#), with the latest apt-list.txt and pip-freeze.txt files for the Colab runtime ([GitHub issue](#))
- Added `files.upload_file(filename)` to upload a file from the browser to the runtime with a specified filename

## 2022-09-16

- Upgraded pycm from 3.11.0 to 4.1.4, jax from 0.3.14 to 0.3.17, jaxlib from 0.3.14 to 0.3.15, fsspec from 2022.8.1 to 2022.8.2
- Modified our save flow to avoid persisting Drive filenames as titles in notebook JSON
- Updated our [Terms of Service](#)
- Modified the Jump to Cell command to locate the cursor at the end of the command palette input (Jump to cell in Tools → Command palette in a notebook with section headings)
- Updated the styling of the Drive notebook comment UI
- Added support for terminating your runtime from code: `python from google.colab import runtime runtime.unassign()`
- Added regex filter support to the Recent notebooks dialog
- Inline `google.colab.files.upload` JS to fix `files.upload()` not working ([GitHub issue](#))

## 2022-08-26

- Upgraded PyYAML from 3.13 to 6.0 ([GitHub issue](#)), drivefs from 61.0.3 to 62.0.1
- Upgraded TensorFlow from 2.8.2 to 2.9.1 and ipywidgets from 7.7.1 to 8.0.1 but rolled both back due to a

number of user reports ([GitHub issue](#), [GitHub issue](#))

- Stop persisting inferred titles in notebook JSON ([GitHub issue](#))
- Fix bug in background execution which affected some Pro+ users ([GitHub issue](#))
- Fix bug where Download as .py incorrectly handled text cells ending in a double quote
- Fix bug for Pro and Pro+ users where we weren't honoring the preference (Tools → Settings) to use a temporary scratch notebook as the default landing page
- Provide undo/redo for scratch cells
- When writing ipynb files, serialize empty multiline strings as [] for better consistency with JupyterLab

## 2022-08-11

- Upgraded ipython from 5.5.0 to 7.9.0, fbprophet 0.7 to prophet 1.1, tensorflow-datasets from 4.0.1 to 4.6.0 drivefs from 60.0.2 to 61.0.3, pytorch from 1.12.0 to 1.12.1, numba from 0.51 to 0.56, and lxml from 4.2.0 to 4.9.1
- Loosened our requests version requirement ([GitHub issue](#))
- Removed support for TensorFlow 1
- Added Help → Report Drive abuse for Drive notebooks
- Fixed indentation for Python lines ending in [
- Modified styling of tables in Markdown to left-align them rather than centering them
- Fixed special character replacement when copying interactive tables as Markdown
- Fixed ansi 8-bit color parsing ([GitHub issue](#))
- Configured logging to preempt transitive imports and other loading from implicitly configuring the root logger
- Modified forms to use a value of None instead of causing a parse error when clearing raw and numeric-typed form fields

## 2022-07-22

- Update scipy from 1.4.1 to 1.7.3, drivefs from 59.0.3 to 60.0.2, pytorch from 1.11 to 1.12, jax & jaxlib from 0.3.8 to 0.3.14, opencv-python from 4.1.2.30 to 4.6.0.66, spaCy from 3.3.1 to 3.4.0, and dlib from 19.18.0 to 19.24.0
- Fix Open in tab doc link which was rendering incorrectly ([GitHub issue](#))

- Add a preference for the default tab orientation to the Site section of the settings menu under Tools → Settings
- Show a warning for USE\_AUTH\_EPHEM usage when running authenticate\_user on a TPU runtime ([code](#))

## 2022-07-01

- Add a preference for code font to the settings menu under Tools → Settings
- Update drivefs from 58.0.3 to 59.0.3 and spacy from 2.2.4 to 3.3.1
- Allow [display\\_data](#) and [execute\\_result](#) text outputs to wrap, matching behavior of JupyterLab (does not affect stream outputs/print statements).
- Improve LSP handling of some magics, esp. %%writefile ([GitHub issue](#)).
- Add a [FAQ entry](#) about the mount Drive button behavior and include link buttons for each FAQ entry.
- Fix bug where the notebook was sometimes hidden behind other tabs on load when in single pane view.
- Fix issue with inconsistent scrolling when an editor is in multi-select mode.
- Fix bug where clicking on a link in a form would navigate away from the notebook
- Show a confirmation dialog before performing Replace all from the Find and replace pane.

## 2022-06-10

- Update drivefs from 57.0.5 to 58.0.3 and tensorflow from 2.8.0 to 2.8.2
- Support more than 100 repos in the GitHub repo selector shown in the open dialog and the clone to GitHub dialog
- Show full notebook names on hover in the open dialog
- Improve the color contrast for links, buttons, and the ipywidgets.Accordion widget in dark mode

## 2022-05-20

- Support URL params for linking to some common pref settings: [force\\_theme=dark](#), [force\\_corgi\\_mode=1](#), [force\\_font\\_size=14](#). Params forced by URL are not persisted unless saved using Tools → Settings
- Add a class markdown-google-sans to allow Markdown to render in Google Sans
- Update monaco-vim from 0.1.19 to 0.3.4

- Update drives from 55.0.3 to 57.0.5, jax from 0.3.4 to 0.3.8, and jaxlib from 0.3.2 to 0.3.7

## 2022-04-29

- Added 🐍 mode (under Miscellaneous in Tools → Settings)
- Added "Disconnect and delete runtime" option to the menu next to the Connect button
- Improved rendering of filter options in an interactive table
- Added git-lfs to the base image
- Updated torch from 1.10.0 to 1.11.0, jupyter-core from 4.9.2 to 4.10.0, and cmake from 3.12.0 to 3.22.3
- Added more details to our [FAQ](#) about unsupported uses (using proxies, downloading torrents, etc.)
- Fixed [issue](#) with apt-get dependencies

## 2022-04-15

- Add an option in the file browser to show hidden files.
- Upgrade gdown from 4.2.0 to 4.4.0, google-api-core[grpc] from 1.26.0 to 1.31.5, and pytz from 2018.4 to 2022.1

## 2022-03-25

- Launched [Pro/Pro+](#) to 12 additional countries: Australia, Bangladesh, Colombia, Hong Kong, Indonesia, Mexico, New Zealand, Pakistan, Philippines, Singapore, Taiwan, and Vietnam
- Added [`google.colab.auth.authenticate\(\)`](#) to support using [Service Account keys](#)
- Update jax from 0.3.1 to 0.3.4 & jaxlib from 0.3.0 to 0.3.2
- Fixed an issue with Twitter previews of notebooks shared as GitHub Gists

## 2022-03-10

- Launched [Pro/Pro+](#) to 10 new countries: Ireland, Israel, Italy, Morocco, the Netherlands, Poland, Spain, Switzerland, Turkey, and the United