

FileEditViewRunKernelTabsSettingsHelp

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Filter files by name

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/ ... / isp\_final\_by\_olha\_melnykova / ex3\_by\_olha\_melnykova /

Name	Last Modified
converted_videos	seconds ago
film_report	24 minutes ago
original_videos	4 days ago
report_demo_readme	21 hours ago
ex3_final_2.ipynb	a minute ago

Simple

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Python 3 (ipykernel) | Idle

Launcher

ex3\_final\_2.ipynb

Python 3 (ipykernel)

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Code

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Displaying results for Voyage\_to\_the\_Planet\_of\_Prehistoric\_Women\_format0K.mp4.

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Input #0, mov,mp4,m4a,3gp,3g2,mj2, from './converted\_videos/Voyage\_to\_the\_Planet\_of\_Prehistoric\_Women\_format0K.mp4':

Metadata:

major\_brand : isom

minor\_version : 512

compatible\_brands: isomiso2avc1mp41

encoder : Lavf60.3.100

Duration: 00:00:20.08, start: 0.000000, bitrate: 3120 kb/s

Stream #0:0[0x1](eng): Video: h264 (High) (avc1 / 0x31637661), yuv420p(tv, bt709, progressive), 640x360 [SAR 1:1 DAR 16:9], 2871 kb/s, 25 fps, 25 tbr, 12800 tbn (default)

Metadata:

handler\_name : ?Mainconcept Video Media Handler

vendor\_id : [0][0][0][0]

encoder : Lavc60.3.100 libx264

Stream #0:1[0x2](eng): Audio: aac (LC) (mp4a / 0x6134706D), 48000 Hz, stereo, fltp, 242 kb/s (default)

Metadata:

handler\_name : #Mainconcept MP4 Sound Media Handler

vendor\_id : [0][0][0][0]

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END - code was written based on module materials, independed research and documentation. Please see [Code References](#) section for all links.

Summary

The festival provided five videos in .mov, .mp4, and .avi formats with stereo audio channels and different video and audio bit rates, aspect ratios, video codecs, audio codecs, and frame rates. Original files were incompatible with all video players, as I discovered when I tested each video with QuickTime player. For example, the "The\_Gun\_and\_the\_Pulpit.avi" would not open while the "Voyage\_to\_the\_Planet\_of\_Prehistoric\_Women.mp4" opened but did not play. The conversion to festival-specified standards was required to ensure video player compatibility across a broad range of video players. Before conversion, the original file sizes ranged from 19MB to 222MB, but after conversion they were under 9MB and compatible with QuickTime. The overall conversion process was deemed successful, as it led to the standardization of all videos into a consistent format that was compatible with the majority of commonly used video players.

Code References

https://ipywidgets.readthedocs.io/en/stable/

https://ipython.readthedocs.io/en/stable/api/generated/IPython.display.html

https://docs.python.org/3/library/subprocess.html

https://docs.python.org/3/library/concurrent.futures.html

https://docs.python.org/3/library/os.html

https://docs.python.org/3/

Mode: Command

Ln 1, Col 1

ex3\_final\_2.ipynb