



News Lab

VERIFYING ONLINE NEWS - SUMMARY

Learn more about Google News Lab: <https://newsinitiative.withgoogle.com/>

Free online courses and tutorials are available here: g.co/GNItraining.

In case of questions: marekmiller@google.com, [@Marek_Miller](https://twitter.com/Marek_Miller)

SOURCE VERIFICATION

[Who is](#) - who registered the domain?

[DNS History](#) - what changes have been made to the domain?

[Wayback Machine](#) - historical print screens of the page

[Link Explorer](#) - how many sites link to the page

IMAGE VERIFICATION

[Google Image search](#) - tool for doing the reverse image search

[EXIF data](#) - tool for reading image file's metadata

[InVid](#) - tool for analysing pics and videos (also forensic analysis)

[RevEye Chrome extension](#) - tool for reverse image search in multiple search engines

VIDEO VERIFICATION

[YouTube](#) - World's largest library of video files

[Frame by Frame Chrome extension](#) - Chrome extension for frame by frame video analysis

[Watch Frame by Frame](#) - online tool for video frame by frame analysis

[YouTube Data Viewer](#) - online tool for finding exact upload time, keyframes and metadata analysis

[RevEye Chrome extension](#) (repeated) - tool for reverse image search of video thumbnails in multiple search engines

[InVid](#) (repeated) - tool for analysing pics and videos (also forensic analysis), keyframes and thumbnails analysis

[VLC Media Player](#) - software for all video file formats, allows to watch videos in slow motion

PLEASE TAKE SOME TIME TO FILL IN [THE SURVEY FORM](#) - I'LL APPRECIATE THAT



VERIFYING ONLINE NEWS - SUMMARY (continued)

TEXT VERIFICATION

[Google Translate](#) - translating tool: text, voice, image, handwriting etc.

[Snopes.com](#) - fake news debunking site

[Factcheck.org](#) - fake news debunking site

[Washington Post Fact Checker](#) - fake news debunking site

[EU vs Disinfo](#) - fake news debunking site

[Google Fact Check Explorer](#) - fake news debunking site

LOCATION VERIFICATION

[Google Maps](#)

[Google Street View](#) - use from Google Maps by pressing the  icon (bottom right)

[Google Earth](#) - Chrome version of Google Earth

[Google Earth Pro](#) - free software to download on your computer

[Suncalc](#) - tool that helps verify location and time by showing sun movement and sunlight phases during the given day at the given location

[Mapchecking](#) - tool that calculates the maximum number of people in a selected area on Google Maps

[Wikimapia](#) - online map with crowdsourced resources applied

FACT-CHECKING AND VERIFICATION OTHER ONLINE RESOURCES

[Online verification course](#) - free training from Google News Initiative

[First Draft News](#) - first step for online verification resources

[First Draft online verification course](#) - free online verification training

[NewsCheck extension](#) - Chrome extension for verifying pictures and videos according to tips from First Draft

[Citizen Evidence](#) - authentication techniques for human rights researchers from Amnesty International

[Verification Junkie](#) - directory of tools for verifying and fact-checking

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